

**HA8000V シリーズ**

**Service Pack for HA8000V (SPH)**

**Version 6.50 21**

**Readme**

2023年12月

## 1. はじめに

このたびは、日立アドバンスサーバ HA8000V シリーズをご利用いただき誠にありがとうございます。  
ご使用になる前に、必ず本内容をご確認ください。

### 1.1 他社所有名称に対する表示

Microsoft および Windows Server は、米国 Microsoft Corporation の米国およびその他の国における登録商標または商標です。

Intel、インテル、Xeon は、アメリカ合衆国およびその他の国における Intel Corporation の商標です。

Linux は、Linus Torvalds 氏の日本およびその他の国における登録商標または商標です。

Red Hat は、米国およびその他の国で Red Hat, Inc. の登録商標もしくは商標です。

iLO は、Hewlett Packard Enterprise Development LP の商標です。

VMware は、米国およびその他の地域における VMware, Inc. の登録商標または商標です。

### 1.2 注意事項

- (1) 本書は改良のため、予告なしに変更することがあります。
- (2) Service Pack for HA8000V のご使用に当たっては、<CD ドライブ>¥EULA に格納された「エンドユーザー使用許諾契約書」をお読みください。
- (3) Service Pack for HA8000V に瑕疵が無いことを保証するものではありません。
- (4) Service Pack for HA8000V は、「3 適用機種及びOS」記載のプラットフォームでご使用いただけます。
- (5) 天災、人災、事故等で Service Pack for HA8000V 使用中に電源が切れまるとシステム装置が正常に動作しなくなることがありますので十分に気を付けてください。
- (6) お客様は、Service Pack for HA8000V 並びに本書の全部又は一部を単独で又は他の情報等と組み合わせ、直接又は間接に以下に該当する取扱いをする場合、「外国為替及び外交貿易」の規制及び米国輸出管理規制等外国の輸出関連法規を確認し、適正な手続きを行う必要があります。
  - 輸出するとき。
  - 海外へ持ち出すとき。
  - 非居住者へ提供し、又は使用させるとき。
  - 上記に定めるほか、「外国為替及び外国貿易法」又は外国の輸出関連法規に定めがあるとき。
- (7) マニュアル『HA8000V シリーズ 重要事項および読替ガイド』には、各種マニュアルをご覧いただく際、事前にご理解いただくべき内容を記載しています。こちらも合わせてご参照ください。マニュアルは『[ドキュメントポータル](#)』の「マニュアル > サーバ」-「HA8000V シリーズ」より参照いただけます。

---

本ファイルに含まれている、いかなるファイルの内容の全部またはその一部を、無断で掲載またはコピーすることを固く禁じます。

---

### 1.3 変更履歴

発行日	変更内容
2021年12月	初版
2022年3月	誤記訂正、サポートOS追加、サポートデバイス追加
2022年5月	誤記訂正
2022年11月	3.1 修正、5.6.1 誤記訂正、5.11 追記
2023年12月	5.3 (7)追記、5.7.4/5.9 修正、その他誤記訂正

## 2. Service Pack for HA8000V (SPH)について

Service Pack for HA8000V(以降 SPH と呼びます)は、1 台または複数台の HA8000V サーバのファームウェア/システムソフトウェアの更新を簡素化するソリューションです。

SPH には、サーバ/コントローラ/ストレージのファームウェア/ドライバ/ユーティリティパッケージが含まれます。また、SPH に収録されている Smart Update Manager(以降 SUM と呼びます)は、更新されたファームウェアおよびシステムソフトウェアをデプロイする推奨ツールです。

SPH/SUM を使うことで、ファームウェアおよびシステムソフトウェアのオンラインアップデートが可能となります。アップデート操作を SUM に統合することにより、個々の HA8000V サーバのアップデートが迅速になり、システム全体のアップデート時間を短縮することができます。

SPH は定期的にリリースされます。最新版の SPH を使用して更新することを推奨します。

## 3. 適用機種及びOS

SPH のバージョン及び適用機種/適用 OS の組み合わせについては、「[Service Pack for HA8000V 補足資料 \(Readme\)](#)」の『サポートモデル/OS 一覧』を参照ください。

### 3.1 適用機種

- HA8000V/DL20 Gen10 (U43)
- HA8000V/DL360 Gen10 (U32)
- HA8000V/DL360 Gen10 Plus (U46)
- HA8000V/DL380 Gen10 (U30)
- HA8000V/DL380 Gen10 Plus (U46)
- HA8000V/DL580 Gen10 (U34)
- HA8000V/ML30 Gen10 (U44)
- HA8000V/ML350 Gen10 (U41)

### 3.2 適用 OS

- Microsoft® Windows Server® 2019
- Microsoft® Windows Server® 2016
- Red Hat® Enterprise Linux® Server 7.9
- Red Hat® Enterprise Linux® Server 7.8
- Red Hat® Enterprise Linux® Server 8.4
- Red Hat® Enterprise Linux® Server 8.3
- Red Hat® Enterprise Linux® Server 8.2
- VMware ESXi™ 6.7
- VMware ESXi™ 6.5
- VMware ESXi™ 7.0

## 4. 変更内容

本章では、今回のリリースの変更内容を記載しています。

### 4.1 新規サポート内容

#### (1) 追加サポート機種及びOS

- 追加サポート機種

なし

- 追加サポートOS

- Red Hat® Enterprise Linux® Server 8.4

#### (2) 追加サポートデバイス

- HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter
- Microchip SR416i-a Cntrl for HPE Gen10+
- Microchip SR932i-p Cntrl for HPE Gen10+

### 4.2 更新内容

『6.3 パッケージの変更内容』を参照ください。

## 5. 注意事項

本章では、SPH をご使用になる上で、注意頂く内容を記載しています。

### 5.1 ドライバ・ユーティリティなどの適用について

最新のドライバ・ファームウェア・ユーティリティなどを、「[日立アドバンスドサーバ HA8000V シリーズ ホームページ](#)」で提供しております。

各アップデートプログラムの適用についてはお客様責任にて実施していただきますが、システム装置を安定してご使用いただくためにも、ホームページの[ サポート ]-[ ダウンロード ] に定期的にアクセスして、最新のドライバ・ファームウェア・ユーティリティへ更新していただくことをお勧めします。

### 5.2 OS の新規・再セットアップの場合の注意事項

OS の新規・再セットアップの際、初回の SPH 適用では、ファームウェアコンポーネントを除外し、ドライバ/ユーティリティコンポーネントのインストールを先に実施してください。これにより、デバイスの検出及びファームウェアの書き込みに適切なドライバ/ユーティリティがインストールされます。ドライバ/ユーティリティのインストール後は、OS を再起動し、再度 SUM を実行してファームウェアの更新を行ってください。

SUM でファームウェアコンポーネントを除外し、ドライバ/ユーティリティコンポーネントのみのインストールを指定するには、次の手順により行います。

GUI の場合：

SUM を起動し、「展開サマリー(Deployment summary)」画面右上の[ アクション(Actions) ]-[ アドバンスドオプション(Advanced Options) ]から「アドバンスドオプション(Advanced Options)」画面を開

き、「インストールオプション(Installation Options) “の項目で“ソフトウェアのアップグレード (Upgrade Software) “を選択し、「OK”ボタンを押してください。

CLI の場合：

"--softwareonly"パラメーターを使用してください。

例) # ./smartupdate --s --softwareonly

### 5.3 SUM によるアップデート時の注意事項

(1) ファームウェア/ドライバの依存関係について

アップデート対象のファームウェア/ドライバには依存関係を持つ場合があります。一度の SUM の実行では全て更新できない場合があります。このため、SUM アップデート後、全ての更新対象がアップデートされているかを確認してください。もし、アップデートされていないパッケージがある場合、再度 SUM を実行してください。全てアップデートされたかは、次の手順により確認できます。

GUI の場合：

SUM を起動し、「展開サマリー(Deployment summary)」画面にて、「推奨されたコンポーネント」数表示が、「0」となっていることを確認してください。

CLI の場合：

"--report"パラメーターを使用してレポート作成し、作成されたレポートを参照してください。レポート出力先は画面に表示されます。レポートを参照し、「Install Needed」の項目が、「0」となっていることを確認してください。

例) # ./smartupdate --report

(2) 適用バージョンについて

SUM を使用して更新作業を行う場合、適用対象として自動選択されるものは、新規にインストールされるもの、および SPH 収録バージョンが適用済みバージョンより新しいものとなります。

ネットワークアダプタ及びファイバーチャネルホストバスアダプタは、SPH 収録のドライバ/ファームウェアの組み合わせでご使用いただくことを推奨しています。適用済みバージョンが SPH 収録済みバージョンより新しい場合、該当コンポーネントが適用対象として自動選択されません。その場合、以下の手順で対象コンポーネントを手動で選択し、適用してください。

#### 【手動適用方法】

SUM を起動し、「展開サマリー(Deployment summary)」画面で、「コンポーネントの選択状態」が「選択」表示(※)となっているコンポーネントを確認し、ネットワークアダプタファームウェアまたは、ファイバーチャネルホストバスアダプタのファームウェアの場合は、当該コンポーネントを選択(※)して、「展開 (Deploy)」ボタンを押してください。

※：コンポーネントが選択されると、「コンポーネントの選択状態」が、「選択済み」もしくは「強制」と表示されます。

### 【注意】

デバイスによっては、適用バージョンに関して、個別にアドバイザリが発行されている場合があります。本ファームウェアの適用に当たっては、アドバイザリを参照してください。

### (3) SUM の展開モードに関する補足説明

SUM にはいくつかのアップデート方法(展開モード)があります。展開モードにより、対象 OS/更新対象が異なりますので、以下の表を参照の上、展開モードを決定してください。

SUM 展開モード		展開対象 OS(※1)			更新対象	
		Windows	RHEL	VMware	ファームウェア	ソフトウェア (ドライバ, ユーティリティ等)
オンライン	ローカル	○	○	—	○	○
	リモート(※2) (OS を介した アップデート)	○	○	—	○	○
	リモート(※3) (iLO レポジトリ アップデート)	○	○	○	○	○
オフライン		○	○	○	○	—

※1：ゲスト OS は対象外。

※2：対象ノードにホスト OS の IP アドレスを指定した場合。

※3：対象ノードに iLO アドレスを指定した場合。対象ノードのホスト OS に iSUT 及び AMS のインストール・設定が必要

### (4) SUM GUI での適用パッケージの選択について

SUM GUI を使用している場合、インベントリが完了すると展開(Deploy)するパッケージの確認画面が表示されます。

確認画面では、選択した SPH/ベースラインに含まれる更新パッケージのうち、対象装置に適用可能なパッケージが表示され、適用が推奨される(現在のバージョンより新しい)パッケージが展開対象として自動的に選択されます。(選択されたパッケージは、行背景が反転し「選択済み」( 選択済み)または「Selected」( Selected)ボタン表示となります。ボタンをクリックすると、選択が解除され「選択」( 選択)「Select」( Select)ボタン表示となります。)

自動選択されなかったパッケージは、「強制」( 強制)または「Force」( Force)ボタンをクリックすることで強制的に適用対象とすることができます。(強制適用を選択した場合、行背景が反転し「強制」( 強制)「Forced」( Forced)ボタンで表示されます。)

【注意】

ファームウェア/ドライバ/ユーティリティは、別途ご案内のない限り、最新のものをご使用いただくことを推奨しています。特に、強制適用を選択した場合、選択したバージョンが古いとダウングレードとなりますので、意図せずダウングレードしてしまうことが無いよう、操作には注意してください。

(5) Linux 環境における適用パッケージのOSライブラリ依存について

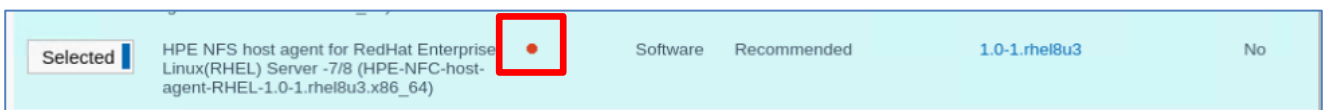
Linux 環境で利用するパッケージには、特定の OS ライブラリを前提とするものがあります。そのパッケージを適用する際、前提とする OS ライブラリが事前にインストールされていない場合、インベントリ完了後、または展開(Deploy)完了後に依存関係エラーとなります。

エラーが発生する場合、以降記述の各エラー表示例をご参照頂き、依存ファイルとして表示されるファイル/ライブラリをインストール後、再度 SPH を適用して下さい。

なお、依存する OS ライブラリは、依存関係解消後に新たな依存関係が発生する場合があります、その場合は依存関係エラーが解消するまで、SPH 適用を繰り返す必要があります。

【インベントリ完了後のエラー表示】

エラーが発生したパッケージは、赤丸(赤枠内)で表示されます。



上記赤枠内の赤丸をダブルクリックすると次のダイアログが表示され、“Failed dependency details”として、インストールが必要となるファイル/ライブラリが表示されます。(赤枠内)



上記の例では、インストールが必要となるファイル/ライブラリとして、“libhugetlbfs.so”を示しています。



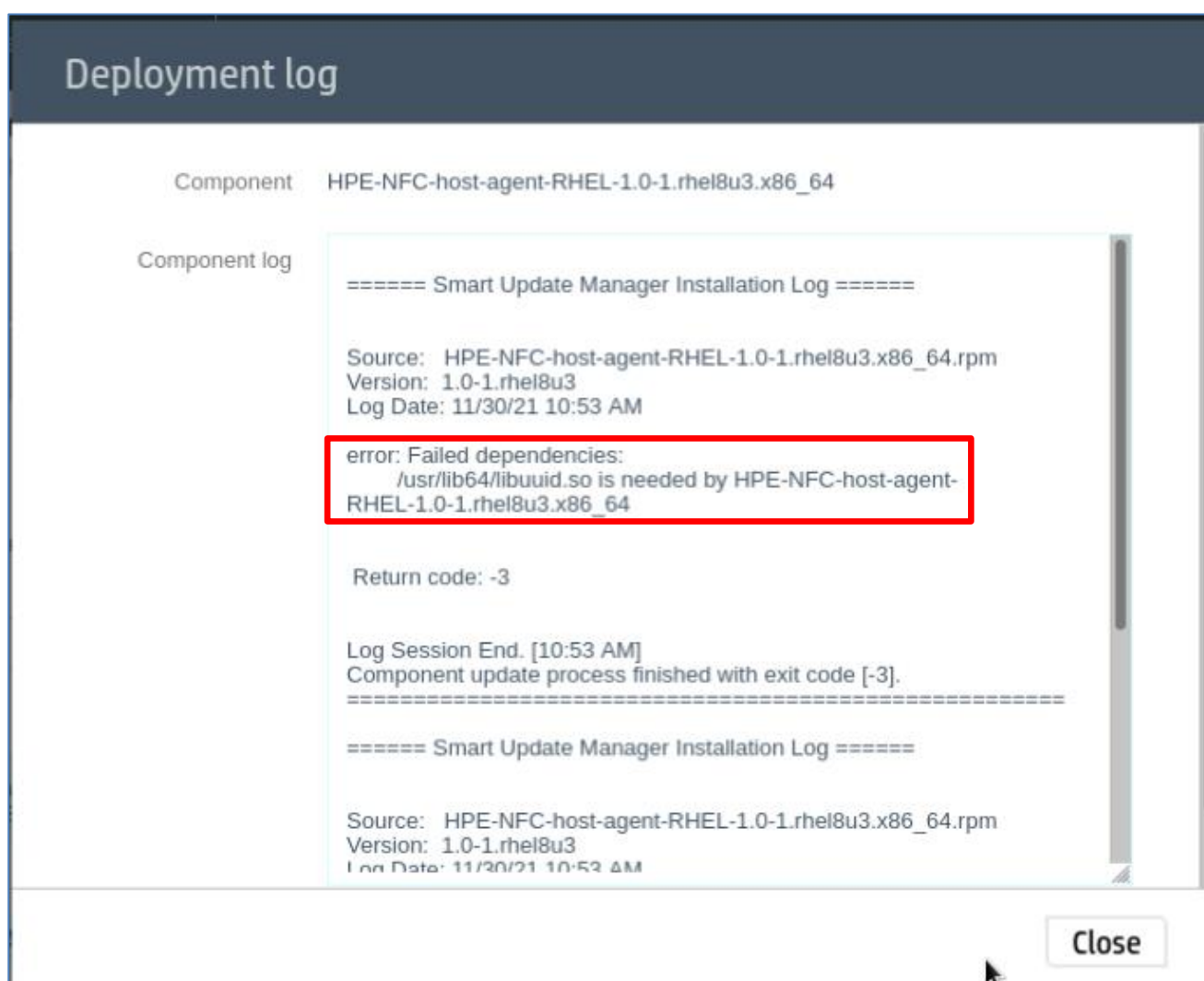
### 【展開(Deploy)完了後のエラー表示】

エラーが発生したパッケージは、赤丸(赤枠内)で表示されます。



Component	Package	Deployment status	Log
<span style="color: red;">●</span> HPE-NFC-host-agent-RHEL-1.0-1.rhel8u3.x86_64	HPE NFS host agent for RedHat Enterprise Linux(RHEL) Server -7/8	Update returned an error.	<a href="#">View log</a>

上記赤枠内の“View log”をクリックすると次のダイアログが表示され、“error: Failed dependencies:”として、インストールが必要となるファイル/ライブラリが表示されます。(赤枠内)



Deployment log

Component: HPE-NFC-host-agent-RHEL-1.0-1.rhel8u3.x86\_64

Component log

```
===== Smart Update Manager Installation Log =====  
  
Source: HPE-NFC-host-agent-RHEL-1.0-1.rhel8u3.x86_64.rpm  
Version: 1.0-1.rhel8u3  
Log Date: 11/30/21 10:53 AM  
  
error: Failed dependencies:  
  /usr/lib64/libuuid.so is needed by HPE-NFC-host-agent-  
  RHEL-1.0-1.rhel8u3.x86_64  
  
Return code: -3  
  
Log Session End. [10:53 AM]  
Component update process finished with exit code [-3].  
===== Smart Update Manager Installation Log =====  
  
Source: HPE-NFC-host-agent-RHEL-1.0-1.rhel8u3.x86_64.rpm  
Version: 1.0-1.rhel8u3  
Log Date: 11/30/21 10:53 AM
```

Close

上記の例では、インストールが必要となるファイル/ライブラリとして、“libuuid.so”を示しています。

### (6) iLO レポジトリを利用したアップデートについて

コンポーネントの形式によって、iLO レポジトリを使用した iLO 経由でコンポーネントが展開(Deploy)されます。iLO レポジトリにアップロードされたコンポーネントは、インストールキューに追加され順次展開されていきます。

この時、キューに追加された途中のコンポーネントで展開エラーが発生した場合、以降のコンポーネントは展開保留状態となります。その状態のコンポーネントがキューに存在すると、以降 iLO レポジトリを利用したアップデートができません。

次に示すエラー状態を参照の上、上記状態と判断できる場合は、インストールキューに残っているコンポーネントをすべて削除し、再度 SPH を適用してください。

#### 【エラーが発生した場合のインストールキューの状態】

iLO WEB インタフェースの[ファームウェア & OS ソフトウェア]>[インストールキュー]ページを参照します。

ファームウェアアップデート  
直近のファームウェアのアップデートまたはアップロードする試みは成功しませんでした。有効な署名付きフラッシュファイルを使用していることを確認して、もう一度試してください。コンポーネントをインストールする場合は、まずそれをiLOレポジトリにアップロードしてから、それをインストールキューに追加してください。

ファームウェア & OSソフト... - インストールキ...  
ファームウェア ソフトウェア メンテナンスウィンドウ iLOレポジトリ インストールセット  
インストールキュー

iLO日付/時刻(UTC): 2021-12-01 13:09

状態	名前	開始	失効		
完了	Broadcom NetXtreme-E adapters 218.0.166.0	N/A	なし		
完了	HPE SR932i-p and SR416i-a Gen10 Plus Controllers 03.01.04.072	N/A	なし		
完了	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-po...	N/A	なし		
例外	Mellanox Firmware Package(FWPKG) for HPE Ethernet 10/25Gb 2-...	N/A	なし		
保留	Mellanox Firmware Package(FWPKG) for HPE Ethernet 100Gb 1-po...	前のタスクの実行後	なし		

すべて削除

ファームウェアのアップデート  
iLOレポジトリにアップロード  
キューに追加

「例外」及び「保留」状態となっているパッケージが表示されている場合、「全て削除」ボタンをクリックして、キューに登録されたコンポーネントを削除してください。

#### (7) SUM 実行でのインベントリ失敗時の対応について

SUM は、アップデートに必要となるデバイスならびにソフトウェア等の情報を iLO 経由で取得します。iLO の状態により、まれに情報取得できないことがあり、以下に示すようにインベントリに失敗します。

## 【インベントリ失敗時の表示例】



SUM を再実行しても本エラーが解消されない場合は、下記のいずれかの手順を実施してください。

- (1) iLO の再起動（リセット）を実施してください。詳細は『iLO 5 x.xx ユーザーガイド』(※)の「iLO の再起動（リセット）」を参照してください。『iLO 5 x.xx ユーザーガイド』は、「[日立アドバンスドサーバー HA8000V シリーズ ホームページ](#)」に掲載されている「製品マニュアル」よりダウンロードしてください。
- (2) オンラインアップデート(OS 稼働中のアップデート)の場合、装置の再起動を実施してください。
- (3) 装置の給電を停止(電源ケーブルの抜去や UPS の出力停止等)後、10 秒待った後に給電を再開してください。

※x.xx の部分にはバージョンが入ります。

### 5.4 SUM でのランゲージパックバージョン表示と適用について

SUM(Smart Update Manager)で表示される、適用中のランゲージパックのバージョンが正しく表示されない場合があります。正しいバージョンを確認するためには、iLO WEB インタフェースの[管理]>[言語]ページより現在適用中の言語パックのバージョンをご確認下さい。

また、この結果、SUM でランゲージパックが適用対象として正しく選択されない可能性があります。目的のバージョンのランゲージパックが適用されていないのに、SUM 実行後の「展開サマリー」画面で、ランゲージパックが適用対象として選択されない場合があります。この場合は、ランゲージパックを手動で選択し展開を実施してください。

目的のバージョンのランゲージパックが適用済みであっても、SUM 実行後の「展開サマリー」画面で、ランゲージパックが適用対象として自動的に選択されている場合があります。この場合は、ランゲージパックの適用は不要ですので、選択を解除してから展開を実施してください。

### 5.5 SUM での iLO を使用したランゲージパック適用に関する制限事項

SUM で対象ノードとして、システム装置の iLO を追加(ノードの IP アドレスに iLO の IP アドレスを指

定、ノードタイプに iLO を選択)した場合、ランゲージパックが対象に含まれず更新されません。ランゲージパックは別途下記方法にて更新ください。

- SUM をローカルホスト上で実行(※)
- SUM で対象ノードとしてシステム装置の OS の IP アドレスを指定して実行(※)
- iLO WEB インタフェースを使用して実行

※：対象ノードが VMware の場合は使用不可

#### 【iLO WEB インタフェースからの更新手順】

(1) 以下の手順で、事前に SPH package ファイルからランゲージパックファイルを取り出してください。

Windows 上で、SPH の packages ディレクトリ下にある、『6.2.11 Firmware - Lights-Out Management』の「Language Pack - Japanese」に掲載されている“cp\*\*\*\*\*.exe”を実行してください。パッケージセットアップが起動するので「解凍」を選択し、任意のディレクトリにパッケージを展開してください。展開したディレクトリから、“lang\_ja\_\*\*\*.lpk”を取り出してください。

(2) 装置のシャットダウンを行ってください。

(3) iLO WEB インタフェースの「ファームウェア & OS ソフトウェア」タブを開いてください。

(4) 「ファームウェアアップデート」をクリックし、「ローカルバイナリファイル」に先ほど取り出したランゲージパックファイルを指定し、「フラッシュ」を選択してください。

(5) 2〜3 分後に完了のメッセージが表示されます。その後 iLO が自動的に再起動します。

## 5.6 ASR(Automatic Server Recovery)について

ASR(Automatic Server Recovery)はブルースクリーン等の致命的な OS のエラーが発生したときに自動的にシステムの復旧をするべくサーバの再起動をおこなう機能です。IP(version 3.10 以降)を使った OS のインストール又は SPH(version 3.00 以降)の適用、その他の方法による ASR ドライバのインストールにより ASR が自動的に有効になります。ASR が不要な場合や Alive Monitor、IPMI WDT 等の他の OS 死活監視を使う場合は ASR を無効化してください。

### 5.6.1 ASR 操作の PowerShell スクリプトの入手について

ASR の有効/無効の確認並びに切り替えは ASR ドライバのパッケージに同梱されている PowerShell スクリプトを使って行います。以下を参照して PowerShell スクリプトを入手してください。

(1) ASR ドライバのパッケージを展開します

SPH の packages ディレクトリ下にあるファイル群の中から、下表の各 OS バージョンに対応した『6.2.9 Driver - System Management』の「Package filename」欄記載のファイルを実行してください。パッケージセットアップが起動するので解凍を選択し、任意のディレクトリにパッケージを展開してください。

No.	Windows バージョン	Description
1	Windows Server 2016	iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server
2	Windows Server 2019	2016 and Server 2019

## (2) PowerShell スクリプトを確認してください

展開したパッケージの中の scripts ディレクトリ下に下記の 3 つの PowerShell スクリプトが含まれている事を確認してください。必要に応じて任意のディレクトリにコピーしてください。

Get-AsrSettings.ps1

Set-AsrPreTimeoutNMI.ps1

Set-AsrTimeout.ps1

### 5.6.2 ASR の確認方法

Windows の PowerShell より Get-AsrSettings.ps1 を実行してください。TimeoutInMinutes が 0 又は、コマンドの実行がエラーとなった場合 ASR は無効になっています。

```
実行例その 1(TimeoutInMinutes が 0 の場合)
PS C:\Users\Administrator\Desktop> .\Get-AsrSettings.ps1

Active           : True
EnablePreTimeoutNMI : True
InstanceName     : PCI\VEN_103C&DEV_3306&SUBSYS_00E41590&REV_07\4&154b2d14&0&00E4_0
TimeoutInMinutes : 0
PSComputerName   :

実行例その 2(コマンドの実行がエラーとなる場合)
PS C:\Users\Administrator\Desktop> .\Get-AsrSettings.ps1

Get-CimInstance : 無効なクラスです
発生場所 C:\Users\Administrator\Desktop\Get-AsrTimeout.ps1:25 文字:1
+ Get-CimInstance -Namespace "root\wmi" -ClassName "HP_iLO_ASR_Settings ...
+ ~~~~~
+ CategoryInfo          : MetadataError: (root\wmi:HP_iLO_ASR_Settings:String) [Get-CimInstance], CimException
+ FullyQualifiedErrorId : HRESULT 0x80041010,Microsoft.Management.Infrastructure.CimCmdlets.GetCimInstanceCommand
```

### 5.6.3 ASR の無効化方法

Windows の PowerShell より以下のオプションで Set-AsrTimeout.ps1 を実行してください。

```
Set-AsrTimeout.ps1 -Disable
```

```
実行例
PS C:\Users\Administrator\Desktop> .\Set-AsrTimeout.ps1 -Disable
```

### 5.6.4 ASR の有効化方法

Windows の PowerShell より以下のオプションで Set-AsrTimeout.ps1 を実行してください。

```
Set-AsrTimeout.ps1 -Default
```

```
実行例
PS C:\Users\Administrator\Desktop> .\Set-AsrTimeout.ps1 -Default
```

## 5.7 VMware をご使用にあたっての注意事項

### 5.7.1 ファームウェアの適用について

システム装置を安定してご使用いただくためには、ご使用の VMware バージョンに合わせたファームウェアを適用頂く必要があります。

VMware 環境でのファームウェアの適用にあたっては、SUM のリモートオンライン 展開モード及びオフライン 展開モードが利用できます。(VMware バージョンと利用可能な SPH 及び展開モードについては、「[Service Pack for HA8000V 補足資料\(Readme\)](#)」の『サポートモデル/OS 一覧』を参照ください。)

#### 【リモートオンライン 展開モードを使用する場合】

本モードでは、ファームウェアに加えてドライバのアップデートも可能です。

事前に「iSUT」のインストール及び ESXi ホストに対する設定が必要です。

「iSUT」が未インストールの場合、『5.7.2 iSUT のインストール』記載の手順に従ってインストールしてください。ESXi ホストに対しては、以下設定をアップデート作業前に実施して下さい。

- (1) ファームウェア/ドライバのアップデート作業を行う間は、ESXi ホストをメンテナンスモードに設定してください。
- (2) ESXi ホストをノードとして追加する場合、対象ノードとしてシステム装置の iLO を追加(ノードの IP アドレスに iLO の IP アドレスを指定、ノードタイプに iLO を選択)してください。
- (3) ファームウェア/ドライバのアップデートを有効化するためには VMware ESXi の再起動が必要です。アップデート後自動的に再起動させる場合は、再起動オプションを使用してください。

#### 【オフライン 展開モードを使用する場合】

SPH の iso イメージを格納した媒体をサーバに取り付け、媒体よりサーバをブートします。

なお、各 VMware バージョンと SPH サポート情報の詳細は、「[日立アドバンスドサーバ HA8000V シリーズ ホームページ](#)」の[製品]-[OS、ISV 情報]にある『VMware』に掲載している注意事項をご参照の上、推奨ドライババージョンをご確認ください。

### 5.7.2 iSUT のインストール

VMware システムに対して、SPH/SUM を使用しファームウェア/ドライバのアップデートを行うには、ESXi ホストに iSUT をインストールする必要があります。iSUT インストール後は、リモート PC から SUM の『リモートオンライン』展開モードを使用して ESXi ホストのファームウェア/ドライバのアップデートを行うことができます。

ESXi ホストに iSUT をインストールする手順を次に示します。次のインストール手順では、データストア名を「datastore1」としています。使用環境にあわせて読み換えてください。

- (1) iSUT は SPH の packages ディレクトリに収録されています。下表に示す zip ファイルを展開し、iSUT のオフラインバンドル(sut-esxi\*.\*-bundle\*.\*.\*.zip)を取り出してください。

No.	VMware バージョン	SPH package ファイル名	オフラインバンドルファイル名
1	VMware ESXi™ 6.5	cp046872.zip	sut-esxi6.5-offline-bundle-2.9.0.0-19.zip
2	VMware ESXi™ 6.7	cp046886.zip	sut-esxi6.7-offline-bundle-2.9.0.0-21.zip
3	VMware ESXi™ 7.0	cp046873.zip	sutComponent_701.2.9.0.21-0-signed_component-18608822.zip

- (2) 取り出した iSUT のオフラインバンドルを VMware ESXi の「datastore1」直下へに転送してください。
- (3) VMware ESXi のコンソール画面で「F2」キーを押すと Login 画面が表示されるので、root ユーザーでログインします。
- (4) 「System Customization」画面が表示されるので、「Troubleshooting Options」を選択し、「Enter」キーを押下します。
- (5) 「Enable ESXi Shell」を選択し、「Enter」キーを押下して ESXi Shell を “Enable” に変更します。
- (6) 「Alt」+「F1」キーを押下し、VMware ESXi の Shell 画面を開き、root ユーザーでログインします。
- (7) 下記コマンドを実行しインストールします。

```
esxcli software vib install -d /vmfs/volumes/datastore1/<転送したバンドルファイル名>
```

- (8) VMware ESXi を再起動してください。
- (9) 再起動後、再度 VMware ESXi の Shell 画面を開き、root ユーザーでログインします。
- (10) 下記コマンドを実行し、iSUT を AutoDeployReboot モードに設定します。
- (11) 作業終了後、OnDemand モードに変更します。iSUT を AutoDeployReboot モードに設定すると、iSUT が常駐し常時稼働し続けます。アップデート作業時以外は iSUT の稼働は不要ですので、常駐解除することを推奨します。iSUT を OnDemand モードに設定するには、下記コマンドを実行してください。

```
sut -set mode=ondemand
```

5.7.3 Management Bundle, Utilities Bundle 収録モジュールのバージョンについて  
Management Bundle, Utilities Bundle には、複数の VIB モジュールが含まれています。  
各コンポーネントに含まれる VIB のバージョンは次の通りです。

【Management Bundle Smart Component に含まれる VIB モジュール及びバージョン】

OS バージョン			VMware6.5	VMware6.7	VMware7.0	
ファイル名			cp047523.zip	cp047522.zip	cp047520.zip	cp047521.zip
VIB モ ジ ュ ー ル	amsd	Agentless Management Service	650.11.8.0.15- 1.4240417	670.11.8.0.15- 1.7535516	701.11.8.0.15-1	—
	fc-enablement	Fiber Channel Enablement Package	650.3.8.0.6- 4240417	670.3.8.0.6- 7535516	—	700.3.8.0.6-1

【Utilities Bundle Smart Component に含まれる VIB モジュール及びバージョン】

OS バージョン		VMware6.5	VMware6.7	VMware7.0	
ファイル名		cp047458.zip	cp047397.zip	cp047396.zip	
VIB モ ジ ュ ー ル	conrep	Conrep Utility	650.10.8.0.12- 6.5.0.2494585	670.10.8.0.18- 6.7.0.7535516	700.10.8.0.21- 7.0.0.15843807
	testevent	Test Event Utility	6.5.0.02- 01.00.9.4240417	6.7.0.02- 01.00.12.7535516	700.10.8.0.1- 7.0.0.15843807
	ssaccli	Smart Storage Administrator CLI	5.20.8.0- 6.5.0.4240417.oem	5.20.8.0- 6.7.0.7535516.oem	
	Bootcfg	Boot Configuration Utility	6.0.0.02- 06.00.16.2494585	6.7.0.02- 06.00.14.7535516	700.10.8.0.1- 7.0.0.15843807
	Hponcfg	Lights-Out Configuration Utility	6.0.0.5.5- 0.37.2494585	6.7.0.5.5- 0.18.7535516	700.10.8.0.1- 7.0.0.15843807

5.7.4 iLO セキュリティ設定を“高セキュリティ”にした装置で iSUT を使用する場合について

(1) iLO の認証情報設定

iLO を“高セキュリティ”設定にした状態で iSUT を使うためには、以下のいずれかの設定が必要です。

① iSUT への認証情報設定

② iLO のセキュリティ条件の変更(iLO FW v1.4.0 以降のみ設定可能)

① iSUT への認証情報設定

iSUT に iLO の認証情報を設定します。設定方法は、VM ホスト上で以下を実行します。

```
sut -set ilusername=<username>
Please provide the iLO password: <*****>
```

【注意】

認証情報の設定は、iSUT が OnDemand モードの状態で行ってください。AutoDeployReboot モードで設定した場合、認証情報が有効にならない場合があります。

② iLO のセキュリティ条件の変更

iLO で“ホスト認証が必要”を「無効」に設定します。

iLO の Web 画面で[セキュリティ]-[アクセス設定]と画面遷移し、iLO の項目にある「ホスト認証が必要」の設定を「無効」に設定してください。

(2) iSUT の設定確認・変更

VM ホスト上で “sut -status” を実行し、iSUT の設定が “EnableiLOQueuedUpdates=true”となっていることを



確認してください。"false"の場合は、VM ホスト上で以下を実行してください。

```
sut -set enableiloqueuedupdates=true
```

### 5.7.5 ドライバパラメータ再設定について

本 SPH を使用して VMware ドライバをアップデートした場合、ネイティブ ドライバが適用されます。ご使用の VMware 環境で VMKLinux ドライバをご使用の場合、ドライバが変更され、設定されているドライバパラメータが初期化されます。この問題を回避するために、ドライバアップデート後、ドライバパラメータを再設定してください。

#### 【対象製品及びドライバ種】

下表に記載している対象製品並びにアップデート前のドライバ種をご使用の場合が対象となります。

対象製品		ドライバ種	
形名(*1)	製品名(旧品名)	アップデート前 (VMKLinux)	アップデート後 (ネイティブ)
TQ-N□□-817745-B21	Ethernet 10Gb 2-port FLR-T X550-AT2 Adapter(Ethernet 10Gb 2 ポート 562FLR-T ネットワークアダプタ)	net-ixgbe	ixgben
TQ-N□□-817738-B21	Ethernet 10Gb 2-port BASE-T X550-AT2 Adapter(Ethernet 10Gb 2 ポート 562T ネットワークアダプタ)		
TQ-N□□-665240-B21	Ethernet 1Gb 4-port FLR-T I350-T4V2 Adapter(Ethernet 1Gb 4 ポート 366FLR ネットワークアダプタ)	igb	igbn
TQ-N□□-652497-B21	Ethernet 1Gb 2-port BASE-T I350-T2V2 Adapter(Ethernet 1Gb 2 ポート 361T ネットワークアダプタ)		
TQ-N□□-811546-B21	Ethernet 1Gb 4-port BASE-T I350-T4V2 Adapter(Ethernet 1Gb 4 ポート 366T ネットワークアダプタ)		
TQ-N□□-727054-B21	Ethernet 10Gb 2-port FLR-SFP+ X710-DA2 Adapter(Ethernet 10Gb 2 ポート 562FLR-SFP+ネットワークアダプタ)	i40e	i40en
TQ-N□□-727055-B21	Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter(Ethernet 10Gb 2 ポート 562SFP+ネットワークアダプタ)		

(\*1)：□には製品構成などにより異なった英数字が入ります。

## 【再設定手順】

### (1) ドライバパラメータの確認及び記録

ドライバのアップデート前に、以下コマンドを実行し、ドライバパラメータ値を控えてください。

```
esxcfg-module -g <driver name>
```

<driver name> : アップデート前ドライバ種

以下実行例の「option = 'yyyy」の「yyyy」に設定値が表示されますので、値を控えてください。値が表示されない場合は、ドライバパラメータは未設定ですので、以降の作業は不要です。

(実行例) net-ixgbe の場合

```
# esxcfg-module -g net-ixgbe
```

```
net-ixgbe enabled = 1 options = 'yyyy'
```

また、下記の表示となる場合、net-ixgbe ドライバは未使用ですので、以降の作業は不要です。

(実行例) net-ixgbe の場合

```
# esxcfg-module -g net-ixgbe
```

```
Unknown module name net-ixgbe
```

### (2) ドライバパラメータの再設定

ドライバのアップデート前に、以下コマンドを実行し、『(1)ドライバパラメータの確認及び記録』で控えたドライバパラメータを再設定して下さい。

```
esxcfg-module -s "yyyy" <driver name>
```

yyyy : 控えたドライバパラメータ

<driver name> : アップデート前ドライバ種

以下実行例の「option = 'yyyy」に控えたドライバパラメータを指定します。

(実行例) ixgben の場合

```
# esxcfg-module -s "yyyy" ixgben
```

### (3) VMware ESXi の再起動

変更を有効にするため、VMware ESXi を再起動してください。

## 5.7.6 QLogic 製ファイバーチャネルホストバスアダプタご使用にあたっての注意事項

VMware 環境において、QLogic 製ファイバーチャネルホストバスアダプタの特定のドライバパラメータを設定している状態で SPH に収録されているドライバにアップデートすると、アダプタが認識できなくなります。

特に、SAN ブートパスに使用しているアダプタで本現象が発生した場合、OS が起動できなくなり、回復にはバックアップからのリストアが必要となります。本 SPH を用いたドライバのアップデート前に、予めパラメータ変更を行ってからドライバをアップデートしてください。

なお、デフォルトではパラメータは設定されておらず、本現象は発生しません。

パラメータ変更方法等、詳細は「日立アドバンスサーバ HA8000V シリーズ」の「製品に関する重要なお知らせ」掲載の「VMware 環境において QLogic 製ファイバーチャネルホストバスアダプタのドライバをアップデート後アダプタが認識できなくなる現象について(管理番号：CRI-2020-0005)」を参照してください。

#### 5.7.7 リモートオンライン 展開モードをご使用時の注意事項

本モードをご使用の際は、iLO が Agentless Management Service(AMS)に接続している必要があります。iLO が AMS に接続していない場合、適用可能なコンポーネントにソフトウェア/ドライバパッケージが追加されません。

iLO と AMS の接続状態を確認するには、iLO WEB インタフェースの[システム情報]>[概要]ページを開き、サブシステムおよびデバイスの Agentless Management Service のステータスを確認して下さい。

【iLO が AMS に接続している場合】

↑サブシステムおよびデバイス	ステータス
Agentless Management Service	✔ OK

【iLO が AMS に接続していない場合】

↑サブシステムおよびデバイス	ステータス
Agentless Management Service	① 利用不可能

iLO が AMS に接続していない場合、以下の手順を実施し、再度 iLO と AMS の接続状態を確認して下さい。

- 装置電源 OFF(ESXi ホストシャットダウン)
- 装置電源ケーブルの抜き差し
- 装置電源 ON(ESXi ホスト起動)

## 5.8 SUM オフライン展開モードご使用時の注意事項

SUM オフライン展開モードでは Secure Boot をサポートしておりません。Secure Boot 設定は Disabled に設定の上ご使用ください。

SPH の ISO イメージを、iLO 仮想メディアデバイスにマウントして SUM のオフライン展開モードご使用の場合、iLO の『ネットワークインターフェイス設定』が『共有ネットワークポート』構成となっていると、SUM の起動途中でエラーになることがあります。

iLO の『ネットワークインターフェイス設定』を『共有ネットワークポート』構成でご使用の場合、ISO イメージを書き込んだ媒体をご用意いただき、内蔵もしくは USB 接続の DVD ドライブを使用して SUM のオフライン展開モードを起動してください。

【注意】

DL20/ML30 では、iLO の『ネットワークインターフェイス設定』のデフォルト設定が『共有ネットワークポート』となっています。SUM オフライン展開モードご使用時は、SPH ISO イメージを書き込んだ媒体が

ら起動してください。

## 5.9 Intel 製ネットワークアダプタご使用について

Intel 製ネットワークアダプタをご使用になる場合、下記の制限事項があります。

### 5.9.1 Intel 製ネットワークアダプタのファームウェアアップデートについて

Intel 製ネットワークアダプタのファームウェアアップデートを行う場合、ファームウェアアップデート後に再起動を行っても、サブ電源で動作する機能は動作し続けているため、アップデートが完全には反映されません。

アップデート後に電源ケーブルを抜いて電源を 5 秒以上切断してから、電源ケーブルを差しなおし電源を入れなおしてください。電源ケーブルを抜き差しする必要があるため、リモートでは実施できません。

本制限事項の最新の状況並びに具体的な対象アダプタの情報については、アドバイザー：「特定のネットワークアダプタについてファームウェアアップデート後に電源ケーブルの抜き差しが必要になる」(ADV-2019-0019)を参照してください。

### 5.9.2 Intel 製ネットワークアダプタのファームウェアダウングレードについて

Intel 製ネットワークアダプタをご使用になる場合、下表記載の SPH に収録されているファームウェアバージョンは、ダウングレードには対応しておりません。

形名(*1) or 搭載システム装置	製品名(旧品名)	ファームウェアバージョン
TQ-N□□-817745-B21  TQ-N□□-817738-B21	Ethernet 10Gb 2-port FLR-T X550-AT2 Adapter(Ethernet 10Gb 2 ポート 562FLR-T ネットワークアダプタ)  Ethernet 10Gb 2-port BASE-T X550-AT2 Adapter(Ethernet 10Gb 2 ポート 562T ネットワークアダプタ)	10.54.4
TQ-N□□-727054-B21  TQ-N□□-727055-B21	Ethernet 10Gb 2-port FLR-SFP+ X710-DA2 Adapter(Ethernet 10Gb 2 ポート 562FLR-SFP+ネットワークアダプタ)  Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter(Ethernet 10Gb 2 ポート 562SFP+ネットワークアダプタ)	10.54.7
HA8000V / ML350 Gen10 オンボード NIC	Ethernet 1Gb 4-port 369i ネットワークアダプタ	1.2836.0

(\*1)：□には製品構成などにより異なった英数字が入ります。

## 5.10 Gen10 Plus Smart Array Controller 環境での OS セットアップの注意事項

下表記載 Gen10 Plus Smart Array Controller ご利用環境で、Windows または RHEL の新規・再セットアップの際には、SPH を適用する前に SPH に収録された「6.2.6 Driver - Storage Controller」記載の各 OS に対応した Gen10 Plus Smart Array Controller ドライバを適用してください。

ドライバの適用方法は、「HA8000V Gen10 Plus 重要事項および読替ガイド」の[システム装置のセットアップ]-[OS のインストール]を参照して下さい。

形名(*1)	製品名	device
TQ-R□□-P04220-B21	SR932i-p Gen10 Plus コントローラ	Microchip SR932i-p Cntrl for HPE Gen10+
TQ-R□□-P12688-B21	SR416-a Gen10 Plus コントローラ	Microchip SR416i-a Cntrl for HPE Gen10+

(\*1)：□には製品構成などにより異なった英数字が入ります。

本 SPH は RHEL8.2 についてはサポートしておりません。RHEL8.2 の OS をセットアップする場合は、日立 Web ページから SPH6.40 をダウンロードの上、SPH6.40 の提供についてに記載の「注意事項・制限事項」および補足資料(Readme)を参照し、SPH6.40 に収録された Smart RAID Gen10 Plus Controller(SR932i-p/SR416-a)のドライバを適用してください。

## 5.11 Integrated Lights-Out 5 Firmware バージョンアップについて

本 SPH に収録している Integrated Lights-Out 5 Firmware(iLO)のオンライン適用において、ご利用環境の iLO バージョンが 1.40 未満の場合、バージョン 1.48 にアップデートした後、SPH を適用する必要があります。

iLO バージョン 1.48 へのアップデートについては、ダウンロードサイトよりご使用環境の OS に対応したユーティリティをダウンロードいただき、案内されている手順に従ってアップデートしてください。

## 6. SPH収録コンテンツ一覧

SPH の iso イメージに含まれるドライバ、ファームウェア、ユーティリティ(ソフトウェア)を示します。SPH には、適用方法により下記の2種のコンテンツを含んでいます。

- OS セットアップ後、お客様自身で個別に適用頂くもの
- Smart Update Manager(SUM)を使って適用可能なもの

以降、それぞれのコンテンツについて説明します。

### 6.1 お客様により適用が必要なコンテンツ

次表に示すファイルは、SPH に含まれる SUM ツールでの適用対象ではありません。Windows Server OS の新規・再セットアップ(プレインストールセット除く)の場合は、SPH 適用後に各ツールを実行してください。

No.	ツール	説明	iso 内格納場所	備考
1	IT Report Utility (ITRU)	サーバの構成情報、および障害の情報を採取します	¥software¥Hitachi¥ITRU	
2	2PRxDur settings	(レジストリ設定)ネットワークアダプタに関する設定を実施します	¥software¥Hitachi¥RegTool	Broadcom 製 1Gb LAN アダプタ搭載構成のみ対象
3	LargeRxRing settings	(レジストリ設定)ネットワークアダプタに関する設定を実施します	¥software¥Hitachi¥RegTool	

#### 【Broadcom 製 1Gb LAN アダプタ】(旧品名)

- オンボード LAN[Ethernet 1Gb 4-port 331i Adapter]
- Ethernet 1Gb 4-port FLR-T BCM5719 Adapter(HP Ethernet 1Gb 4-port 331FLR Adapter)
- Ethernet 1Gb 4-port BASE-T BCM5719 Adapter(HP Ethernet 1Gb 4-port 331T Adapter)
- Ethernet 1Gb 2-port BASE-T BCM5720 Adapter(HP Ethernet 1Gb 2-port 332T Adapter)

## (1) ITRU のインストール

ITRU をインストールするには、Administrator 権限にて DOS プロンプトより下記のバッチファイルを実行してください。

```
<CD ドライブ>:¥software¥Hitachi¥ITRU¥setup.bat
```

なお、ITRU のインストールに関する詳細情報は次の WEB ページ

[https://www.hitachi.co.jp/cgi-bin/soft/sjst/select\\_open.cgi](https://www.hitachi.co.jp/cgi-bin/soft/sjst/select_open.cgi)

に掲載されている Windows 版 ITRU 取扱説明書の 3 章をご確認願います。

## (2) ネットワークアダプタ レジストリ設定の適用

ネットワークアダプタ レジストリ設定を適用するためには、Administrator 権限にて DOS プロンプトより下記のバッチファイルを実行してください。

```
<CD ドライブ>:¥software¥Hitachi¥RegTool¥2PRxDur.bat
```

```
<CD ドライブ>:¥software¥Hitachi¥RegTool¥LargeRxRing.bat
```

ツール実行後、OS を再起動してください。

### 【注意】

ネットワークアダプタ レジストリ設定ツールのバッチファイルを実行した場合、実行画面の対象 OS に Windows Server 2019 が表示されません。これは表示上だけの問題であり、Windows Server 2019 にも対応していますので、ネットワークアダプタ レジストリ設定ツールを適用してください。

## 6.2 SUM ツールで適用可能なファイル

次に示すドライバ/ファームウェア/ユーティリティ(ソフトウェア)は、SUM ツールにより適用可能なファイルです。(表中の"x"表記は、本ドキュメントリリース時点で未サポートであることを示します。)

SUM の GUI モードで使用する場合、OS 別の実行するコマンドを下記に示します。(管理者権限で実行してください。)

Windows 環境：

```
.\%launch_sum.bat
```

Linux 環境：

```
./launch_sum.sh
```

この時、ログイン画面が表示された場合には、SUM 起動時にご使用の(ログインしていた)OS ユーザ名/パスワードを入力してください。

なお、SUM の詳細な操作方法は、<https://www.hitachi.co.jp/ha8000v/>に掲載されている『Smart Update Manager ユーザーガイド』を参照ください。

### Category 一覧

- [Application - System Management](#)
- [BIOS - System ROM](#)
- [Driver - Chipset](#)
- [Driver - Network](#)
- [Driver - Storage](#)
- [Driver - Storage Controller](#)
- [Driver - Storage Fibre Channel and Fibre Channel over Ethernet](#)
- [Driver - System](#)
- [Driver - System Management](#)
- [Driver - Video](#)
- [Firmware - Lights-Out Management](#)
- [Firmware - Network](#)
- [Firmware - PCIe NVMe Storage Disk](#)
- [Firmware - Power Management](#)
- [Firmware - SAS Storage Disk](#)
- [Firmware - SATA Storage Disk](#)
- [Firmware - Storage Controller](#)
- [Firmware - Storage Fibre Channel](#)
- [Firmware - System](#)
- [Software - Lights-Out Management](#)
- [Software - Management](#)
- [Software - Storage Controller](#)
- [Software - Storage Fibre Channel](#)



- [Software - System Management](#)
- [Utility - Tools](#)

## 6.2.1 Application - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1	Integrated Smart Update Tools 2.9.0 for ESXi 6.5	cp046872.zip	-	2021.09.00	2021.09.00	更新
2	Integrated Smart Update Tools 2.9.0 for ESXi 6.7	cp046886.zip	-	2021.09.00	2021.09.00	更新
3	Integrated Smart Update Tools 2.9.0 for ESXi 7.0	cp046873.zip	-	2021.09.00	701.2.9.0.44-1OEM.701.0.0.16850804	更新
4	Integrated Smart Update Tools for Linux x64	sut-2.9.0-53.linux.x86_64.rpm	-	2.9.0.0	2.9.0-53.linux	更新
5	Integrated Smart Update Tools for Windows x64	cp046870.exe	-	2.9.0.0	2.9.0.0	更新

## 6.2.2 BIOS - System ROM

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
6	Online ROM Flash Component for Linux - OEM System ROM U34	firmware-system-oem-u34-2.54_2021_09_03-1.1.x86_64.rpm	System BIOS - U34	2.54_09-03-2021	v2.54 (09/03/2021)	更新
7	Online ROM Flash Component for Linux - System ROM U30	firmware-system-oem-u30-2.54_2021_09_03-1.1.x86_64.rpm	System BIOS - U30	2.54_09-03-2021	v2.54 (09/03/2021)	更新
8	Online ROM Flash Component for Linux - System ROM U32	firmware-system-oem-u32-2.54_2021_09_03-1.1.x86_64.rpm	System BIOS - U32	2.54_09-03-2021	v2.54 (09/03/2021)	更新
9	Online ROM Flash Component for Linux - System ROM U41	firmware-system-oem-u41-2.54_2021_09_03-1.1.x86_64.rpm	System BIOS - U41	2.54_09-03-2021	v2.54 (09/03/2021)	更新
10	Online ROM Flash Component for Linux - System ROM U43	firmware-system-oem-u43-2.52_2021_09_16-1.1.x86_64.rpm	System BIOS - U43	2.52_09-16-2021	v2.52 (09/16/2021)	更新
11	Online ROM Flash Component for Linux - System ROM U44	firmware-system-oem-u44-2.52_2021_09_16-1.1.x86_64.rpm	System BIOS - U44	2.52_09-16-2021	v2.52 (09/16/2021)	更新
12	Online ROM Flash Component for Linux - System ROM U46	firmware-system-oem-u46-1.52_2021_09_22-1.1.x86_64.rpm	System BIOS - U46	1.52_09-22-2021	v1.52 (09/22/2021)	新規追加
13	Online ROM Flash Component for Windows x64 - OEM System ROM U34	cp049577.exe	System BIOS - U34	2.54_09-03-2021	v2.54 (09/03/2021)	更新
14	Online ROM Flash Component for Windows x64 - System ROM U30	cp049556.exe	System BIOS - U30	2.54_09-03-2021	v2.54 (09/03/2021)	更新
15	Online ROM Flash Component for Windows x64 - System ROM U32	cp049589.exe	System BIOS - U32	2.54_09-03-2021	v2.54 (09/03/2021)	更新
16	Online ROM Flash Component for Windows x64 - System ROM U41	cp049586.exe	System BIOS - U41	2.54_09-03-2021	v2.54 (09/03/2021)	更新
17	Online ROM Flash Component for Windows x64 - System ROM U43	cp049550.exe	System BIOS - U43	2.52_09-16-2021	v2.52 (09/16/2021)	更新
18	Online ROM Flash Component for Windows x64 - System ROM U44	cp049308.exe	System BIOS - U44	2.52_09-16-2021	v2.52 (09/16/2021)	更新
19	Online ROM Flash Component for Windows x64 - System ROM U46	cp049098.exe	System BIOS - U46	1.52_09-22-2021	v1.52 (09/22/2021)	新規追加
20	ROM Flash Firmware Package - System ROM U30	OEM.U30_2.54_09_03_2021.fwpkg	System BIOS - U30	2.54_09-03-2021	v2.54 (09/03/2021)	更新
21	ROM Flash Firmware Package - System ROM U32	OEM.U32_2.54_09_03_2021.fwpkg	System BIOS - U32	2.54_09-03-2021	v2.54 (09/03/2021)	更新

22	ROM Flash Firmware Package - System ROM U34	OEM.U34_2.54_09_03_2021.fwpkg	System BIOS - U34	2.54_09-03-2021	v2.54 (09/03/2021)	更新
23	ROM Flash Firmware Package - System ROM U41	OEM.U41_2.54_09_03_2021.fwpkg	System BIOS - U41	2.54_09-03-2021	v2.54 (09/03/2021)	更新
24	ROM Flash Firmware Package - System ROM U43	OEM.U43_2.52_09_16_2021.fwpkg	System BIOS - U43	2.52_09-16-2021	v2.52 (09/16/2021)	更新
25	ROM Flash Firmware Package - System ROM U44	OEM.U44_2.52_09_16_2021.fwpkg	System BIOS - U44	2.52_09-16-2021	v2.52 (09/16/2021)	更新
26	ROM Flash Firmware Package - System ROM U46	OEM.U46_1.52_09_22_2021.fwpkg	System BIOS - U46	1.52_09-22-2021	v1.52 (09/22/2021)	新規追加

### 6.2.3 Driver – Chipset

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
27	Identifiers for Intel Xeon E-22xx Processor for Microsoft Windows	cp048073.exe	-	10.1.18793.8276	10.1.18793.8276	更新
28	Identifiers for Intel Xeon E-23xx Processor for Microsoft Windows	cp048223.exe	-	10.1.18793.8276	10.1.18793.8276	新規追加
29	Identifiers for Intel Xeon Scalable Processors (First and Second Generation) for Microsoft Windows	cp047794.exe	-	10.1.18793.8276	10.1.18793.8276	更新
30	Identifiers for Intel Xeon Scalable Processors (Third Generation) for Microsoft Windows	cp048829.exe	-	10.1.18793.8276	10.1.18793.8276	更新

### 6.2.4 Driver – Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
31	Broadcom NetXtreme-E Driver for Windows Server 2016	cp045254.exe	BCM 57416 10GbE 2p BASE-T Adptr	218.0.32.0	218.0.32.0	
32	Broadcom NetXtreme-E Driver for Windows Server 2016	cp045254.exe	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	218.0.32.0	218.0.32.0	
33	Broadcom NetXtreme-E Driver for Windows Server 2016	cp045254.exe	BCM 57412 10GbE 2p SFP+ Adptr	218.0.32.0	218.0.32.0	
34	Broadcom NetXtreme-E Driver for Windows Server 2016	cp045254.exe	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	218.0.32.0	218.0.32.0	
35	Broadcom NetXtreme-E Driver for Windows Server 2019	cp049455.exe	BCM 57416 10GbE 2p BASE-T Adptr	218.0.32.0 (B)	218.0.32.0 (B)	更新
36	Broadcom NetXtreme-E Driver for Windows Server 2019	cp049455.exe	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	218.0.32.0 (B)	218.0.32.0 (B)	更新
37	Broadcom NetXtreme-E Driver for Windows Server 2019	cp049455.exe	BCM 57412 10GbE 2p SFP+ Adptr	218.0.32.0 (B)	218.0.32.0 (B)	更新
38	Broadcom NetXtreme-E Driver for Windows Server 2019	cp049455.exe	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	218.0.32.0 (B)	218.0.32.0 (B)	更新
39	HPE Broadcom NetXtreme-E Driver for Windows Server 2016	cp045020.exe	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	218.0.32.0	218.0.32.0	

40	HPE Broadcom NetXtreme-E Driver for Windows Server 2016	cp045020.exe	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	218.0.32.0	218.0.32.0	
41	HPE Broadcom NetXtreme-E Driver for Windows Server 2016	cp045020.exe	HPE Ethernet 10Gb 2-port 535T Adapter	218.0.32.0	218.0.32.0	
42	HPE Broadcom NetXtreme-E Driver for Windows Server 2016	cp045020.exe	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	218.0.32.0	218.0.32.0	
43	HPE Broadcom NetXtreme-E Driver for Windows Server 2016	cp045020.exe	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	218.0.32.0	218.0.32.0	
44	HPE Broadcom NetXtreme-E Driver for Windows Server 2016	cp045020.exe	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	218.0.32.0	218.0.32.0	
45	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp045021.exe	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	218.0.32.0	218.0.32.0	
46	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp045021.exe	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	218.0.32.0	218.0.32.0	
47	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp045021.exe	HPE Ethernet 10Gb 2-port 535T Adapter	218.0.32.0	218.0.32.0	
48	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp045021.exe	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	218.0.32.0	218.0.32.0	
49	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp045021.exe	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	218.0.32.0	218.0.32.0	
50	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp045021.exe	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	218.0.32.0	218.0.32.0	
51	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7	kmod-bnxt_en-1.10.2-218.0.67.0.rhel7u8.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel7u8	
52	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7	kmod-bnxt_en-1.10.2-218.0.67.0.rhel7u8.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel7u8	
53	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7	kmod-bnxt_en-1.10.2-218.0.67.0.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 535T Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel7u8	
54	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7	kmod-bnxt_en-1.10.2-218.0.67.0.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel7u8	
55	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7	kmod-bnxt_en-1.10.2-218.0.67.0.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel7u8	
56	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7	kmod-bnxt_en-1.10.2-218.0.67.0.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel7u8	
57	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7	kmod-bnxt_en-1.10.2-218.0.67.0.rhel7u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel7u9	

58	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7	kmod-bnxt_en-1.10.2-218.0.67.0.rhel7u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel7u9	
59	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7	kmod-bnxt_en-1.10.2-218.0.67.0.rhel7u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 535T Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel7u9	
60	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7	kmod-bnxt_en-1.10.2-218.0.67.0.rhel7u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel7u9	
61	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7	kmod-bnxt_en-1.10.2-218.0.67.0.rhel7u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel7u9	
62	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 7	kmod-bnxt_en-1.10.2-218.0.67.0.rhel7u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel7u9	
63	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-218.0.67.0.rhel8u2.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel8u2	
64	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-218.0.67.0.rhel8u2.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel8u2	
65	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-218.0.67.0.rhel8u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 535T Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel8u2	
66	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-218.0.67.0.rhel8u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel8u2	
67	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-218.0.67.0.rhel8u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel8u2	
68	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-218.0.67.0.rhel8u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel8u2	
69	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-218.0.67.0.rhel8u3.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel8u3	
70	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-218.0.67.0.rhel8u3.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel8u3	
71	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-218.0.67.0.rhel8u3.x86_64.rpm	HPE Ethernet 10Gb 2-port 535T Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel8u3	
72	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-218.0.67.0.rhel8u3.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel8u3	
73	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-218.0.67.0.rhel8u3.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel8u3	
74	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.2-218.0.67.0.rhel8u3.x86_64.rpm	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	1.10.2-218.0.67.0	1.10.2-218.0.67.0.rhel8u3	
75	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.5	cp045073.zip	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	2021.04.05	218.0.38.0-1OEM.650.0.0.4598673	

76	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.5	cp045073.zip	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	2021.04.05	218.0.38.0-1OEM.650.0.0.4598673	
77	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.5	cp045073.zip	HPE Ethernet 10Gb 2-port 535T Adapter	2021.04.05	218.0.38.0-1OEM.650.0.0.4598673	
78	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.5	cp045073.zip	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	2021.04.05	218.0.38.0-1OEM.650.0.0.4598673	
79	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.5	cp045073.zip	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	2021.04.05	218.0.38.0-1OEM.650.0.0.4598673	
80	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.5	cp045073.zip	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	2021.04.05	218.0.38.0-1OEM.650.0.0.4598673	
81	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.7	cp045074.zip	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	2021.04.05	218.0.38.0-1OEM.670.0.0.8169922	
82	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.7	cp045074.zip	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	2021.04.05	218.0.38.0-1OEM.670.0.0.8169922	
83	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.7	cp045074.zip	HPE Ethernet 10Gb 2-port 535T Adapter	2021.04.05	218.0.38.0-1OEM.670.0.0.8169922	
84	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.7	cp045074.zip	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	2021.04.05	218.0.38.0-1OEM.670.0.0.8169922	
85	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.7	cp045074.zip	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	2021.04.05	218.0.38.0-1OEM.670.0.0.8169922	
86	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 6.7	cp045074.zip	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	2021.04.05	218.0.38.0-1OEM.670.0.0.8169922	
87	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp045075.zip	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	2021.04.05	218.0.38.0-1OEM.700.1.0.15843807	
88	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp045075.zip	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	2021.04.05	218.0.38.0-1OEM.700.1.0.15843807	
89	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp045075.zip	HPE Ethernet 10Gb 2-port 535T Adapter	2021.04.05	218.0.38.0-1OEM.700.1.0.15843807	
90	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp045075.zip	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	2021.04.05	218.0.38.0-1OEM.700.1.0.15843807	
91	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp045075.zip	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	2021.04.05	218.0.38.0-1OEM.700.1.0.15843807	
92	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp045075.zip	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	2021.04.05	218.0.38.0-1OEM.700.1.0.15843807	
93	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 7 Update 8	libbnxt_re-218.0.7.0-rhel7u8.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	218.0.7.0	218.0.7.0	

94	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 7 Update 8	libbnxt_re-218.0.7.0-rhel7u8.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	218.0.7.0	218.0.7.0	
95	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 7 Update 8	libbnxt_re-218.0.7.0-rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 535T Adapter	218.0.7.0	218.0.7.0	
96	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 7 Update 8	libbnxt_re-218.0.7.0-rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	218.0.7.0	218.0.7.0	
97	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 7 Update 8	libbnxt_re-218.0.7.0-rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	218.0.7.0	218.0.7.0	
98	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 7 Update 8	libbnxt_re-218.0.7.0-rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	218.0.7.0	218.0.7.0	
99	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 7 Update 9	libbnxt_re-218.0.7.0-rhel7u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	218.0.7.0	218.0.7.0	
100	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 7 Update 9	libbnxt_re-218.0.7.0-rhel7u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	218.0.7.0	218.0.7.0	
101	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 7 Update 9	libbnxt_re-218.0.7.0-rhel7u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 535T Adapter	218.0.7.0	218.0.7.0	
102	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 7 Update 9	libbnxt_re-218.0.7.0-rhel7u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	218.0.7.0	218.0.7.0	
103	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 7 Update 9	libbnxt_re-218.0.7.0-rhel7u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	218.0.7.0	218.0.7.0	
104	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 7 Update 9	libbnxt_re-218.0.7.0-rhel7u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	218.0.7.0	218.0.7.0	
105	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 2.	libbnxt_re-218.0.7.0-rhel8u2.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	218.0.7.0	218.0.7.0	
106	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 2.	libbnxt_re-218.0.7.0-rhel8u2.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	218.0.7.0	218.0.7.0	
107	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 2.	libbnxt_re-218.0.7.0-rhel8u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 535T Adapter	218.0.7.0	218.0.7.0	
108	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 2.	libbnxt_re-218.0.7.0-rhel8u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	218.0.7.0	218.0.7.0	
109	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 2.	libbnxt_re-218.0.7.0-rhel8u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	218.0.7.0	218.0.7.0	
110	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 2.	libbnxt_re-218.0.7.0-rhel8u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	218.0.7.0	218.0.7.0	
111	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 3.	libbnxt_re-218.0.7.0-rhel8u3.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	218.0.7.0	218.0.7.0	

112	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 3.	libbnxt_re-218.0.7.0-rhel8u3.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	218.0.7.0	218.0.7.0	
113	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 3.	libbnxt_re-218.0.7.0-rhel8u3.x86_64.rpm	HPE Ethernet 10Gb 2-port 535T Adapter	218.0.7.0	218.0.7.0	
114	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 3.	libbnxt_re-218.0.7.0-rhel8u3.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	218.0.7.0	218.0.7.0	
115	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 3.	libbnxt_re-218.0.7.0-rhel8u3.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	218.0.7.0	218.0.7.0	
116	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 3.	libbnxt_re-218.0.7.0-rhel8u3.x86_64.rpm	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	218.0.7.0	218.0.7.0	
117	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp045019.exe	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	214.0.0.6	214.0.0.6	
118	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp045019.exe	HP Ethernet 1Gb 2-port 332T Adapter	214.0.0.6	214.0.0.6	
119	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp045019.exe	HP Ethernet 1Gb 4-port 331FLR Adapter	214.0.0.6	214.0.0.6	
120	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp045019.exe	HP Ethernet 1Gb 4-port 331T Adapter	214.0.0.6	214.0.0.6	
121	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp045019.exe	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	214.0.0.6	214.0.0.6	
122	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.139b-1.rhel7u8.x86_64.rpm	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	3.139b-1	3.139b-1.rhel7u8	
123	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.139b-1.rhel7u8.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	3.139b-1	3.139b-1.rhel7u8	
124	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.139b-1.rhel7u8.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	3.139b-1	3.139b-1.rhel7u8	
125	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.139b-1.rhel7u8.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	3.139b-1	3.139b-1.rhel7u8	
126	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.139b-1.rhel7u8.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	3.139b-1	3.139b-1.rhel7u8	
127	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.139b-1.rhel7u9.x86_64.rpm	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	3.139b-1	3.139b-1.rhel7u9	
128	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.139b-1.rhel7u9.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	3.139b-1	3.139b-1.rhel7u9	
129	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.139b-1.rhel7u9.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	3.139b-1	3.139b-1.rhel7u9	
130	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.139b-1.rhel7u9.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	3.139b-1	3.139b-1.rhel7u9	
131	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.139b-1.rhel7u9.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	3.139b-1	3.139b-1.rhel7u9	
132	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139b-1.rhel8u2.x86_64.rpm	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	3.139b-1	3.139b-1.rhel8u2	



133	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139b-1.rhel8u2.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	3.139b-1	3.139b-1.rhel8u2	
134	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139b-1.rhel8u2.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	3.139b-1	3.139b-1.rhel8u2	
135	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139b-1.rhel8u2.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	3.139b-1	3.139b-1.rhel8u2	
136	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139b-1.rhel8u2.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	3.139b-1	3.139b-1.rhel8u2	
137	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139b-1.rhel8u3.x86_64.rpm	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	3.139b-1	3.139b-1.rhel8u3	
138	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139b-1.rhel8u3.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	3.139b-1	3.139b-1.rhel8u3	
139	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139b-1.rhel8u3.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	3.139b-1	3.139b-1.rhel8u3	
140	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139b-1.rhel8u3.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	3.139b-1	3.139b-1.rhel8u3	
141	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139b-1.rhel8u3.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	3.139b-1	3.139b-1.rhel8u3	
142	HPE Intel E1R Driver for Windows Server 2016	cp047043.exe	HPE Ethernet 1Gb 2-port 361T Adapter	12.16.4.1	12.16.4.1	更新
143	HPE Intel E1R Driver for Windows Server 2016	cp047043.exe	HPE Ethernet 1Gb 4-port 366FLR Adapter	12.16.4.1	12.16.4.1	更新
144	HPE Intel E1R Driver for Windows Server 2016	cp047043.exe	HPE Ethernet 1Gb 4-port 366T Adapter	12.16.4.1	12.16.4.1	更新
145	HPE Intel E1R Driver for Windows Server 2019	cp047044.exe	HPE Ethernet 1Gb 2-port 361T Adapter	12.18.12.1	12.18.12.1	更新
146	HPE Intel E1R Driver for Windows Server 2019	cp047044.exe	HPE Ethernet 1Gb 4-port 366FLR Adapter	12.18.12.1	12.18.12.1	更新
147	HPE Intel E1R Driver for Windows Server 2019	cp047044.exe	HPE Ethernet 1Gb 4-port 366T Adapter	12.18.12.1	12.18.12.1	更新
148	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.14.13-1.rhel7u8.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	2.14.13-1 (C)	2.14.13-1.rhel7u8	更新
149	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.14.13-1.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2.14.13-1 (C)	2.14.13-1.rhel7u8	更新
150	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.14.13-1.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2.14.13-1 (C)	2.14.13-1.rhel7u8	更新
151	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.14.13-1.rhel7u9.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	2.14.13-1 (C)	2.14.13-1.rhel7u9	更新
152	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.14.13-1.rhel7u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2.14.13-1 (C)	2.14.13-1.rhel7u9	更新
153	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.14.13-1.rhel7u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2.14.13-1 (C)	2.14.13-1.rhel7u9	更新

154	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.14.13-1.rhel7u9.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2.14.13-1 (C)	2.14.13-1.rhel7u9	更新
155	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.14.13-1.rhel7u9.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	2.14.13-1 (C)	2.14.13-1.rhel7u9	更新
156	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.14.13-1.rhel8u2.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	2.14.13-1 (B)	2.14.13-1.rhel8u2	更新
157	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.14.13-1.rhel8u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2.14.13-1 (B)	2.14.13-1.rhel8u2	更新
158	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.14.13-1.rhel8u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2.14.13-1 (B)	2.14.13-1.rhel8u2	更新
159	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.14.13-1.rhel8u2.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2.14.13-1 (B)	2.14.13-1.rhel8u2	更新
160	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.14.13-1.rhel8u2.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	2.14.13-1 (B)	2.14.13-1.rhel8u2	更新
161	HPE Intel i40ea Driver for Windows Server 2016	cp045125.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.13.104.0	1.13.104.0	
162	HPE Intel i40ea Driver for Windows Server 2016	cp045125.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.13.104.0	1.13.104.0	
163	HPE Intel i40ea Driver for Windows Server 2019	cp045126.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.13.104.0	1.13.104.0	
164	HPE Intel i40ea Driver for Windows Server 2019	cp045126.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.13.104.0	1.13.104.0	
165	HPE Intel i40eb Driver for Windows Server 2016	cp045128.exe	HPE Ethernet 1Gb 4-port 369i Adapter	1.13.104.0	1.13.104.0	
166	HPE Intel i40eb Driver for Windows Server 2019	cp045129.exe	HPE Ethernet 1Gb 4-port 369i Adapter	1.13.104.0	1.13.104.0	
167	HPE Intel i40en Driver for VMware vSphere 6.5	cp049456.zip	HPE Ethernet 1Gb 4-port 369i Adapter	2020.09.14 (B)	1.10.6-10EM.650.0.0.4598673	更新
168	HPE Intel i40en Driver for VMware vSphere 6.5	cp049456.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2020.09.14 (B)	1.10.6-10EM.650.0.0.4598673	更新
169	HPE Intel i40en Driver for VMware vSphere 6.5	cp049456.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2020.09.14 (B)	1.10.6-10EM.650.0.0.4598673	更新
170	HPE Intel i40en Driver for VMware vSphere 6.7	cp049457.zip	HPE Ethernet 1Gb 4-port 369i Adapter	2021.04.05 (B)	1.10.9.0-10EM.670.0.0.8169922	更新
171	HPE Intel i40en Driver for VMware vSphere 6.7	cp049457.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2021.04.05 (B)	1.10.9.0-10EM.670.0.0.8169922	更新
172	HPE Intel i40en Driver for VMware vSphere 6.7	cp049457.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2021.04.05 (B)	1.10.9.0-10EM.670.0.0.8169922	更新

173	HPE Intel i40en Driver for VMware vSphere 6.7	cp049457.zip	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2021.04.05 (B)	1.10.9.0-10EM.670.0.0.8169922	更新
174	HPE Intel i40en Driver for VMware vSphere 6.7	cp049457.zip	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	2021.04.05 (B)	1.10.9.0-10EM.670.0.0.8169922	更新
175	HPE Intel i40en Driver for VMware vSphere 7.0	cp049458.zip	HPE Ethernet 1Gb 4-port 369i Adapter	2020.05.29 (B)	1.10.9.0-10EM.700.1.0.15525992	更新
176	HPE Intel i40en Driver for VMware vSphere 7.0	cp049458.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2020.05.29 (B)	1.10.9.0-10EM.700.1.0.15525992	更新
177	HPE Intel i40en Driver for VMware vSphere 7.0	cp049458.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2020.05.29 (B)	1.10.9.0-10EM.700.1.0.15525992	更新
178	HPE Intel i40en Driver for VMware vSphere 7.0	cp049458.zip	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2020.05.29 (B)	1.10.9.0-10EM.700.1.0.15525992	更新
179	HPE Intel i40en Driver for VMware vSphere 7.0	cp049458.zip	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	2020.05.29 (B)	1.10.9.0-10EM.700.1.0.15525992	更新
180	HPE Intel iavf Driver for Windows Server 2016	cp045011.exe	-	1.12.9.0	1.12.9.0	
181	HPE Intel iavf Driver for Windows Server 2019	cp045010.exe	-	1.12.9.0	1.12.9.0	
182	HPE Intel iavf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-iavf-4.2.7-1.rhel7u8.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	4.2.7-1	4.2.7-1.rhel7u8	更新
183	HPE Intel iavf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-iavf-4.2.7-1.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	4.2.7-1	4.2.7-1.rhel7u8	更新
184	HPE Intel iavf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-iavf-4.2.7-1.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	4.2.7-1	4.2.7-1.rhel7u8	更新
185	HPE Intel iavf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-iavf-4.2.7-1.rhel7u9.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	4.2.7-1	4.2.7-1.rhel7u9	更新
186	HPE Intel iavf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-iavf-4.2.7-1.rhel7u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	4.2.7-1	4.2.7-1.rhel7u9	更新
187	HPE Intel iavf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-iavf-4.2.7-1.rhel7u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	4.2.7-1	4.2.7-1.rhel7u9	更新
188	HPE Intel iavf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-iavf-4.2.7-1.rhel7u9.x86_64.rpm	Intel E810-XXVDA2 adapter	4.2.7-1	4.2.7-1.rhel7u9	更新
189	HPE Intel iavf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-iavf-4.2.7-1.rhel7u9.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	4.2.7-1	4.2.7-1.rhel7u9	更新
190	HPE Intel iavf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-iavf-4.2.7-1.rhel7u9.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	4.2.7-1	4.2.7-1.rhel7u9	更新
191	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.2.7-1.rhel8u4.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	4.2.7-1	4.2.7-1.rhel8u4	新規追加
192	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.2.7-1.rhel8u4.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+	4.2.7-1	4.2.7-1.rhel8u4	新規追加

			Adapter			
193	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.2.7-1.rhel8u4.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	4.2.7-1	4.2.7-1.rhel8u4	新規追加
194	HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-igb-6.7.2-2.rhel7u8.x86_64.rpm	HPE Ethernet 1Gb 2-port 361T Adapter	6.7.2-2	6.7.2-2.rhel7u8	更新
195	HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-igb-6.7.2-2.rhel7u8.x86_64.rpm	HPE Ethernet 1Gb 4-port 366FLR Adapter	6.7.2-2	6.7.2-2.rhel7u8	更新
196	HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-igb-6.7.2-2.rhel7u8.x86_64.rpm	HPE Ethernet 1Gb 4-port 366T Adapter	6.7.2-2	6.7.2-2.rhel7u8	更新
197	HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-igb-6.7.2-2.rhel7u9.x86_64.rpm	HPE Ethernet 1Gb 2-port 361T Adapter	6.7.2-2	6.7.2-2.rhel7u9	更新
198	HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-igb-6.7.2-2.rhel7u9.x86_64.rpm	HPE Ethernet 1Gb 4-port 366FLR Adapter	6.7.2-2	6.7.2-2.rhel7u9	更新
199	HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-igb-6.7.2-2.rhel7u9.x86_64.rpm	HPE Ethernet 1Gb 4-port 366T Adapter	6.7.2-2	6.7.2-2.rhel7u9	更新
200	HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-igb-6.7.2-2.rhel7u9.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	6.7.2-2	6.7.2-2.rhel7u9	更新
201	HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-igb-6.7.2-2.rhel7u9.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	6.7.2-2	6.7.2-2.rhel7u9	更新
202	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.7.2-2.rhel8u3.x86_64.rpm	HPE Ethernet 1Gb 2-port 361T Adapter	6.7.2-2	6.7.2-2.rhel8u3	更新
203	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.7.2-2.rhel8u3.x86_64.rpm	HPE Ethernet 1Gb 4-port 366FLR Adapter	6.7.2-2	6.7.2-2.rhel8u3	更新
204	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.7.2-2.rhel8u3.x86_64.rpm	HPE Ethernet 1Gb 4-port 366T Adapter	6.7.2-2	6.7.2-2.rhel8u3	更新
205	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.7.2-2.rhel8u3.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	6.7.2-2	6.7.2-2.rhel8u3	更新
206	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.7.2-2.rhel8u3.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	6.7.2-2	6.7.2-2.rhel8u3	更新
207	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.7.2-2.rhel8u4.x86_64.rpm	HPE Ethernet 1Gb 2-port 361T Adapter	6.7.2-2	6.7.2-2.rhel8u4	新規追加
208	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.7.2-2.rhel8u4.x86_64.rpm	HPE Ethernet 1Gb 4-port 366FLR Adapter	6.7.2-2	6.7.2-2.rhel8u4	新規追加
209	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.7.2-2.rhel8u4.x86_64.rpm	HPE Ethernet 1Gb 4-port 366T Adapter	6.7.2-2	6.7.2-2.rhel8u4	新規追加
210	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.7.2-2.rhel8u4.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	6.7.2-2	6.7.2-2.rhel8u4	新規追加
211	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.7.2-2.rhel8u4.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	6.7.2-2	6.7.2-2.rhel8u4	新規追加
212	HPE Intel igbn Driver for VMware vSphere 6.5	cp049060.zip	HPE Ethernet 1Gb 2-port 361T	2021.09.04	1.5.2.0-1OEM.650.0.0	更新

			Adapter		.4598673	
213	HPE Intel igbn Driver for VMware vSphere 6.5	cp049060.zip	HPE Ethernet 1Gb 4-port 366FLR Adapter	2021.09.04	1.5.2.0-10EM.650.0.0.4598673	更新
214	HPE Intel igbn Driver for VMware vSphere 6.5	cp049060.zip	HPE Ethernet 1Gb 4-port 366T Adapter	2021.09.04	1.5.2.0-10EM.650.0.0.4598673	更新
215	HPE Intel igbn Driver for VMware vSphere 6.7	cp047110.zip	HPE Ethernet 1Gb 2-port 361T Adapter	2021.09.04	1.5.2.0-10EM.670.0.0.8169922	更新
216	HPE Intel igbn Driver for VMware vSphere 6.7	cp047110.zip	HPE Ethernet 1Gb 4-port 366FLR Adapter	2021.09.04	1.5.2.0-10EM.670.0.0.8169922	更新
217	HPE Intel igbn Driver for VMware vSphere 6.7	cp047110.zip	HPE Ethernet 1Gb 4-port 366T Adapter	2021.09.04	1.5.2.0-10EM.670.0.0.8169922	更新
218	HPE Intel igbn Driver for VMware vSphere 6.7	cp047110.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	2021.09.04	1.5.2.0-10EM.670.0.0.8169922	更新
219	HPE Intel igbn Driver for VMware vSphere 6.7	cp047110.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	2021.09.04	1.5.2.0-10EM.670.0.0.8169922	更新
220	HPE Intel igbn Driver for VMware vSphere 7.0	cp047111.zip	HPE Ethernet 1Gb 2-port 361T Adapter	2021.09.04	1.5.2.0-10EM.700.1.0.15843807	更新
221	HPE Intel igbn Driver for VMware vSphere 7.0	cp047111.zip	HPE Ethernet 1Gb 4-port 366FLR Adapter	2021.09.04	1.5.2.0-10EM.700.1.0.15843807	更新
222	HPE Intel igbn Driver for VMware vSphere 7.0	cp047111.zip	HPE Ethernet 1Gb 4-port 366T Adapter	2021.09.04	1.5.2.0-10EM.700.1.0.15843807	更新
223	HPE Intel igbn Driver for VMware vSphere 7.0	cp047111.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	2021.09.04	1.5.2.0-10EM.700.1.0.15843807	更新
224	HPE Intel igbn Driver for VMware vSphere 7.0	cp047111.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	2021.09.04	1.5.2.0-10EM.700.1.0.15843807	更新
225	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbe-5.9.4-1.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.9.4-1	5.9.4-1.rhel7u8	
226	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbe-5.9.4-1.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	5.9.4-1	5.9.4-1.rhel7u8	
227	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbe-5.9.4-1.rhel7u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.9.4-1	5.9.4-1.rhel7u9	
228	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbe-5.9.4-1.rhel7u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	5.9.4-1	5.9.4-1.rhel7u9	
229	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbe-5.9.4-1.rhel8u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.9.4-1	5.9.4-1.rhel8u2	
230	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbe-5.9.4-1.rhel8u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	5.9.4-1	5.9.4-1.rhel8u2	
231	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbe-5.9.4-1.rhel8u3.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.9.4-1	5.9.4-1.rhel8u3	
232	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbe-5.9.4-1.rhel8u3.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	5.9.4-1	5.9.4-1.rhel8u3	
233	HPE Intel ixgben Driver for	cp045249.zip	HPE Ethernet	2021.04.05	1.9.11.0-	更新

	VMware vSphere 6.5		10Gb 2-port 562FLR-T Adapter		1OEM.650.0.0 .4598673	
234	HPE Intel ixgben Driver for VMware vSphere 6.5	cp045249.zip	HPE Ethernet 10Gb 2-port 562T Adapter	2021.04.05	1.9.11.0- 1OEM.650.0.0 .4598673	更新
235	HPE Intel ixgben Driver for VMware vSphere 6.7	cp045250.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	2021.04.05	1.9.12.0- 1OEM.670.0.0 .8169922	更新
236	HPE Intel ixgben Driver for VMware vSphere 6.7	cp045250.zip	HPE Ethernet 10Gb 2-port 562T Adapter	2021.04.05	1.9.12.0- 1OEM.670.0.0 .8169922	更新
237	HPE Intel ixgben Driver for VMware vSphere 7.0	cp045248.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	2021.04.05	1.9.12.0- 1OEM.700.1.0 .15843807	更新
238	HPE Intel ixgben Driver for VMware vSphere 7.0	cp045248.zip	HPE Ethernet 10Gb 2-port 562T Adapter	2021.04.05	1.9.12.0- 1OEM.700.1.0 .15843807	更新
239	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbev-4.9.3- 1.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.9.3-1	4.9.3- 1.rhel7u8	
240	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbev-4.9.3- 1.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	4.9.3-1	4.9.3- 1.rhel7u8	
241	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbev-4.9.3- 1.rhel7u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.9.3-1	4.9.3- 1.rhel7u9	
242	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbev-4.9.3- 1.rhel7u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	4.9.3-1	4.9.3- 1.rhel7u9	
243	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbev-4.9.3- 1.rhel8u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.9.3-1	4.9.3- 1.rhel8u2	
244	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbev-4.9.3- 1.rhel8u2.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	4.9.3-1	4.9.3- 1.rhel8u2	
245	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbev-4.9.3- 1.rhel8u3.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.9.3-1	4.9.3- 1.rhel8u3	
246	HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbev-4.9.3- 1.rhel8u3.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	4.9.3-1	4.9.3- 1.rhel8u3	
247	HPE Intel ixS Driver for Windows Server 2016	cp046117.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.1.219.0	4.1.219.0	
248	HPE Intel ixS Driver for Windows Server 2016	cp046117.exe	HPE Ethernet 10Gb 2-port 562T Adapter	4.1.219.0	4.1.219.0	
249	HPE Intel ixS Driver for Windows Server 2019	cp046118.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.1.219.0	4.1.219.0	
250	HPE Intel ixS Driver for Windows Server 2019	cp046118.exe	HPE Ethernet 10Gb 2-port 562T Adapter	4.1.219.0	4.1.219.0	
251	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2016	cp048373.exe	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	2.70.24728. 0	2.70.24728.0	更新
252	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2016	cp048373.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	2.70.24728. 0	2.70.24728.0	更新
253	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2016	cp048373.exe	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	2.70.24728. 0	2.70.24728.0	更新

254	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019	cp048374.exe	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	2.70.24728.0	2.70.24728.0	更新
255	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019	cp048374.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	2.70.24728.0	2.70.24728.0	更新
256	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019	cp048374.exe	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	2.70.24728.0	2.70.24728.0	更新
257	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 7 Update 8 (x86_64)	kmod-kernel-mft-mlnx-4.17.0-1.rhel7u8.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.17	4.17.0-1.rhel7u8	新規追加
258	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 7 Update 8 (x86_64)	kmod-kernel-mft-mlnx-4.17.0-1.rhel7u8.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.17	4.17.0-1.rhel7u8	更新
259	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 7 Update 8 (x86_64)	mft-4.17.0-106.rhel7u8.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.17	4.17.0-106.rhel7u8	新規追加
260	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 7 Update 8 (x86_64)	mft-4.17.0-106.rhel7u8.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.17	4.17.0-106.rhel7u8	更新
261	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 7 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.17.0-1.rhel7u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	4.17	4.17.0-1.rhel7u9	更新
262	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 7 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.17.0-1.rhel7u9.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	4.17	4.17.0-1.rhel7u9	更新
263	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 7 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.17.0-1.rhel7u9.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.17	4.17.0-1.rhel7u9	新規追加
264	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 7 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.17.0-1.rhel7u9.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.17	4.17.0-1.rhel7u9	更新
265	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 7 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.17.0-1.rhel7u9.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	4.17	4.17.0-1.rhel7u9	更新
266	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 7 Update 9 (x86_64)	mft-4.17.0-106.rhel7u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	4.17	4.17.0-106.rhel7u9	更新
267	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 7 Update 9 (x86_64)	mft-4.17.0-106.rhel7u9.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	4.17	4.17.0-106.rhel7u9	更新
268	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 7 Update 9	mft-4.17.0-106.rhel7u9.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56	4.17	4.17.0-106.rhel7u9	新規追加

	(x86_64)		MCX623106AS-CDAT Adapter			
269	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 7 Update 9 (x86_64)	mft-4.17.0-106.rhel7u9.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.17	4.17.0-106.rhel7u9	更新
270	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 7 Update 9 (x86_64)	mft-4.17.0-106.rhel7u9.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	4.17	4.17.0-106.rhel7u9	更新
271	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 8 Update 3 (x86_64)	kmod-kernel-mft-mlnx-4.17.0-1.rhel8u3.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.17	4.17.0-1.rhel8u3	新規追加
272	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 8 Update 3 (x86_64)	mft-4.17.0-106.rhel8u3.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.17	4.17.0-106.rhel8u3	新規追加
273	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 8 Update 4 (x86_64)	kmod-kernel-mft-mlnx-4.17.0-1.rhel8u4.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	4.17	4.17.0-1.rhel8u4	新規追加
274	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 8 Update 4 (x86_64)	kmod-kernel-mft-mlnx-4.17.0-1.rhel8u4.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	4.17	4.17.0-1.rhel8u4	新規追加
275	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 8 Update 4 (x86_64)	kmod-kernel-mft-mlnx-4.17.0-1.rhel8u4.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.17	4.17.0-1.rhel8u4	新規追加
276	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 8 Update 4 (x86_64)	kmod-kernel-mft-mlnx-4.17.0-1.rhel8u4.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.17	4.17.0-1.rhel8u4	新規追加
277	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 8 Update 4 (x86_64)	kmod-kernel-mft-mlnx-4.17.0-1.rhel8u4.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	4.17	4.17.0-1.rhel8u4	新規追加
278	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 8 Update 4 (x86_64)	mft-4.17.0-106.rhel8u4.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	4.17	4.17.0-106.rhel8u4	新規追加
279	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 8 Update 4 (x86_64)	mft-4.17.0-106.rhel8u4.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	4.17	4.17.0-106.rhel8u4	新規追加
280	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 8 Update 4 (x86_64)	mft-4.17.0-106.rhel8u4.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.17	4.17.0-106.rhel8u4	新規追加
281	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 8 Update 4 (x86_64)	mft-4.17.0-106.rhel8u4.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.17	4.17.0-106.rhel8u4	新規追加
282	HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 8 Update 4 (x86_64)	mft-4.17.0-106.rhel8u4.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	4.17	4.17.0-106.rhel8u4	新規追加
283	HPE Mellanox RoCE (RDMA	kmod-mlnx-ofa_kernel-	HPE Ethernet	5.4	5.4	新規追加



	over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 8 (x86_64)	5.4- OFED.5.4.1.0.3.1.rhel7u 8.x86_64.rpm	100Gb 2-port QSFP56 MCX623106AS- CDAT Adapter			
284	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 8 (x86_64)	kmod-mlnx-ofa_kernel- 5.4- OFED.5.4.1.0.3.1.rhel7u 8.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	5.4	5.4	更新
285	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 8 (x86_64)	kmod-mlnx-ofa_kernel- 5.4- OFED.5.4.1.0.3.1.rhel7u 8.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	5.4	5.4	更新
286	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 8 (x86_64)	kmod-mlnx-ofa_kernel- 5.4- OFED.5.4.1.0.3.1.rhel7u 8.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	5.4	5.4	更新
287	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 8 (x86_64)	kmod-mlnx-ofa_kernel- 5.4- OFED.5.4.1.0.3.1.rhel7u 8.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	5.4	5.4	更新
288	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 8 (x86_64)	mlnx-ofa_kernel-5.4- OFED.5.4.1.0.3.1.rhel7u 8.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS- CDAT Adapter	5.4	5.4	新規追加
289	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 8 (x86_64)	mlnx-ofa_kernel-5.4- OFED.5.4.1.0.3.1.rhel7u 8.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	5.4	5.4	更新
290	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 8 (x86_64)	mlnx-ofa_kernel-5.4- OFED.5.4.1.0.3.1.rhel7u 8.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	5.4	5.4	更新
291	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 8 (x86_64)	mlnx-ofa_kernel-5.4- OFED.5.4.1.0.3.1.rhel7u 8.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	5.4	5.4	更新
292	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and	mlnx-ofa_kernel-5.4- OFED.5.4.1.0.3.1.rhel7u 8.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16	5.4	5.4	更新

	ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 8 (x86_64)		Adapter			
293	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel7u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	5.4	5.4	更新
294	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel7u9.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	5.4	5.4	新規追加
295	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel7u9.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	5.4	5.4	更新
296	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel7u9.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	5.4	5.4	更新
297	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel7u9.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	5.4	5.4	更新
298	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel7u9.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	5.4	5.4	更新
299	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 9 (x86_64)	mlnx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel7u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	5.4	5.4	更新
300	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 9 (x86_64)	mlnx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel7u9.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	5.4	5.4	新規追加
301	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 9 (x86_64)	mlnx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel7u9.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	5.4	5.4	更新

302	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 9 (x86_64)	mlnx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel7u9.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	5.4	5.4	更新
303	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 9 (x86_64)	mlnx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel7u9.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	5.4	5.4	更新
304	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 9 (x86_64)	mlnx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel7u9.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	5.4	5.4	更新
305	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 3 (x86_64)	kmod-mlnx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel8u3.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	5.4	5.4	新規追加
306	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 3 (x86_64)	mlnx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel8u3.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	5.4	5.4	新規追加
307	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel8u4.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	5.4	5.4	新規追加
308	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel8u4.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	5.4	5.4	新規追加
309	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel8u4.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	5.4	5.4	新規追加
310	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel8u4.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	5.4	5.4	新規追加
311	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox	kmod-mlnx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel8u	HPE InfiniBand EDR/Ethernet 100Gb 2-port	5.4	5.4	新規追加

	ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 4 (x86_64)	4.x86_64.rpm	841QSFP28 Adapter			
312	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 4 (x86_64)	kmod-mlx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel8u4.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	5.4	5.4	新規追加
313	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 4 (x86_64)	mlx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel8u4.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	5.4	5.4	新規追加
314	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 4 (x86_64)	mlx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel8u4.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	5.4	5.4	新規追加
315	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 4 (x86_64)	mlx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel8u4.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	5.4	5.4	新規追加
316	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 4 (x86_64)	mlx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel8u4.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	5.4	5.4	新規追加
317	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 4 (x86_64)	mlx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel8u4.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	5.4	5.4	新規追加
318	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 8 Update 4 (x86_64)	mlx-ofa_kernel-5.4-OFED.5.4.1.0.3.1.rhel8u4.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	5.4	5.4	新規追加
319	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-qlgc-fastlinq-8.55.14.0-2.rhel7u8.x86_64.rpm	HPE 10GbE 2p BASE-T QL41401 Adptr(HPE Eth 10Gb 2p 521T Adptr)	8.55.14.0-2	8.55.14.0-2.rhel7u8	更新
320	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-qlgc-fastlinq-8.55.14.0-2.rhel7u9.x86_64.rpm	HPE 10GbE 2p BASE-T QL41401 Adptr(HPE Eth 10Gb 2p 521T Adptr)	8.55.14.0-2	8.55.14.0-2.rhel7u9	更新
321	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 8	kmod-qlgc-fastlinq-8.55.14.0-2.rhel8u3.x86_64.rpm	HPE 10GbE 2p BASE-T QL41401 Adptr(HPE Eth	8.55.14.0-2	8.55.14.0-2.rhel8u3	更新

			10Gb 2p 521T Adptr)			
322	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 8	kmod-qlgc-fastlinq-8.55.14.0-2.rhel8u4.x86_64.rpm	HPE 10GbE 2p BASE-T QL41401 Adptr(HPE Eth 10Gb 2p 521T Adptr)	8.55.14.0-2	8.55.14.0-2.rhel8u4	新規追加
323	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Windows Server x64 Editions	cp047061.exe	HPE 10GbE 2p BASE-T QL41401 Adptr(HPE Eth 10Gb 2p 521T Adptr)	8.58.16.0	8.58.16.0	更新
324	HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 6.5	cp049003.zip	HPE 10GbE 2p BASE-T QL41401 Adptr(HPE Eth 10Gb 2p 521T Adptr)	2021.09.04	3.11.16.0-1OEM.650.0.0.4598673	更新
325	HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 6.7	cp047112.zip	HPE 10GbE 2p BASE-T QL41401 Adptr(HPE Eth 10Gb 2p 521T Adptr)	2021.09.04	3.11.41.0-1OEM.670.0.0.8169922	更新
326	HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 7.0	cp047113.zip	HPE 10GbE 2p BASE-T QL41401 Adptr(HPE Eth 10Gb 2p 521T Adptr)	2021.09.04	3.40.36.0-1OEM.700.1.0.15843807	更新
327	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.5	cp047871.zip	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	2021.09.04	1.1.17.0-1OEM.650.0.0.4598673	更新
328	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.5	cp047871.zip	HPE Ethernet 10Gb 2-port 530T Adapter	2021.09.04	1.1.17.0-1OEM.650.0.0.4598673	更新
329	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.5	cp047871.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2021.09.04	1.1.17.0-1OEM.650.0.0.4598673	更新
330	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.7	cp047116.zip	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	2021.09.04	1.1.17.0-1OEM.670.0.0.8169922	更新
331	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.7	cp047116.zip	HPE Ethernet 10Gb 2-port 530T Adapter	2021.09.04	1.1.17.0-1OEM.670.0.0.8169922	更新
332	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.7	cp047116.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2021.09.04	1.1.17.0-1OEM.670.0.0.8169922	更新
333	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0	cp047117.zip	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	2021.09.04	1.4.17.0-1OEM.700.1.0.15843807	更新
334	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0	cp047117.zip	HPE Ethernet 10Gb 2-port 530T Adapter	2021.09.04	1.4.17.0-1OEM.700.1.0.15843807	更新
335	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0	cp047117.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2021.09.04	1.4.17.0-1OEM.700.1.0.15843807	更新
336	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-netxtreme2-7.14.80-6.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	7.14.80-6	7.14.80-6.rhel7u8	更新
337	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-netxtreme2-7.14.80-6.rhel7u8.x86_64.rpm	HPE Ethernet 10Gb 2-port 530T Adapter	7.14.80-6	7.14.80-6.rhel7u8	更新
338	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-netxtreme2-7.14.80-6.rhel7u8.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.14.80-6	7.14.80-6.rhel7u8	更新
339	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-netxtreme2-7.14.80-6.rhel7u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	7.14.80-6	7.14.80-6.rhel7u9	更新

340	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-netxtreme2-7.14.80-6.rhel7u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 530T Adapter	7.14.80-6	7.14.80-6.rhel7u9	更新
341	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-netxtreme2-7.14.80-6.rhel7u9.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.14.80-6	7.14.80-6.rhel7u9	更新
342	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.14.80-6.rhel8u3.x86_64.rpm	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	7.14.80-6	7.14.80-6.rhel8u3	更新
343	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.14.80-6.rhel8u3.x86_64.rpm	HPE Ethernet 10Gb 2-port 530T Adapter	7.14.80-6	7.14.80-6.rhel8u3	更新
344	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.14.80-6.rhel8u3.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.14.80-6	7.14.80-6.rhel8u3	更新
345	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.14.80-6.rhel8u4.x86_64.rpm	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	7.14.80-6	7.14.80-6.rhel8u4	新規追加
346	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.14.80-6.rhel8u4.x86_64.rpm	HPE Ethernet 10Gb 2-port 530T Adapter	7.14.80-6	7.14.80-6.rhel8u4	新規追加
347	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.14.80-6.rhel8u4.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.14.80-6	7.14.80-6.rhel8u4	新規追加
348	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions	cp047060.exe	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	7.13.206.0	7.13.206.0	更新
349	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions	cp047060.exe	HPE Ethernet 10Gb 2-port 530T Adapter	7.13.206.0	7.13.206.0	更新
350	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions	cp047060.exe	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.13.206.0	7.13.206.0	更新
351	Intel i350 Driver for Windows Server 2016	cp047041.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	12.16.4.1	12.16.4.1	更新
352	Intel i350 Driver for Windows Server 2016	cp047041.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	12.16.4.1	12.16.4.1	更新
353	Intel i350 Driver for Windows Server 2019	cp047042.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	12.18.12.1	12.18.12.1	更新
354	Intel i350 Driver for Windows Server 2019	cp047042.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	12.18.12.1	12.18.12.1	更新
355	Intel i40ea Driver for Windows Server 2016	cp045319.exe	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	1.13.104.0	1.13.104.0	
356	Intel i40ea Driver for Windows Server 2016	cp045319.exe	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	1.13.104.0	1.13.104.0	
357	Intel i40ea Driver for Windows Server 2019	cp049460.exe	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	1.13.104.0 (B)	1.13.104.0 (B)	更新
358	Intel i40ea Driver for Windows Server 2019	cp049460.exe	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	1.13.104.0 (B)	1.13.104.0 (B)	更新
359	Intel iavf Driver for Windows	cp048046.exe	-	1.12.9.0 (C)	1.12.9.0 (C)	更新

	Server 2016					
360	Intel iavf Driver for Windows Server 2019	cp048047.exe	-	1.12.9.0 (C)	1.12.9.0 (C)	更新
361	Intel ice Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-ice-1.6.4-1.rhel7u9.x86_64.rpm	Intel E810-XXVDA2 adapter	1.6.4-1	1.6.4-1.rhel7u9	新規追加
362	Intel ice Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-ice-1.6.4-1.rhel7u9.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	1.6.4-1	1.6.4-1.rhel7u9	新規追加
363	Intel ice Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-ice-1.6.4-1.rhel7u9.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.6.4-1	1.6.4-1.rhel7u9	新規追加
364	Intel icea Driver for Windows Server 2016	cp048044.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.9.65.0	1.9.65.0	更新
365	Intel icea Driver for Windows Server 2016	cp048044.exe	Intel E810-XXVDA2 adapter	1.9.65.0	1.9.65.0	更新
366	Intel icea Driver for Windows Server 2016	cp048044.exe	Intel E810-XXVDA2 OCP3 adapter	1.9.65.0	1.9.65.0	更新
367	Intel icea Driver for Windows Server 2016	cp048044.exe	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.9.65.0	1.9.65.0	更新
368	Intel icea Driver for Windows Server 2019	cp048045.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.9.65.0	1.9.65.0	更新
369	Intel icea Driver for Windows Server 2019	cp048045.exe	Intel E810-XXVDA2 adapter	1.9.65.0	1.9.65.0	更新
370	Intel icea Driver for Windows Server 2019	cp048045.exe	Intel E810-XXVDA2 OCP3 adapter	1.9.65.0	1.9.65.0	更新
371	Intel icea Driver for Windows Server 2019	cp048045.exe	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.9.65.0	1.9.65.0	更新
372	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2016	cp048225.exe	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	2.70.24728.0	2.70.24728.0	更新
373	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2016	cp048225.exe	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	2.70.24728.0	2.70.24728.0	新規追加
374	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp048226.exe	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	2.70.24728.0	2.70.24728.0	更新
375	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp048226.exe	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	2.70.24728.0	2.70.24728.0	新規追加
376	net-mst kernel module driver component for VMware ESXi 6.5 and 6.7	cp048358.zip	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	2020.11.11 (A)	4.12.0.105-10EM.650.0.0.4598673	更新
377	net-mst kernel module driver	cp048358.zip	HPE 100GbE 1p	2020.11.11	4.12.0.105-	更新

	component for VMware ESXi 6.5 and 6.7		QSFP28 MCX515A-CCAT Adptr	(A)	1OEM.650.0.0 .4598673	
378	net-mst kernel module driver component for VMware ESXi 6.5 and 6.7	cp048358.zip	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	2020.11.11 (A)	4.12.0.105-1OEM.650.0.0 .4598673	新規追加
379	net-mst kernel module driver component for VMware ESXi 6.5 and 6.7	cp048358.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	2020.11.11 (A)	4.12.0.105-1OEM.650.0.0 .4598673	更新
380	net-mst kernel module driver component for VMware ESXi 6.5 and 6.7	cp048358.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	2020.11.11 (A)	4.12.0.105-1OEM.650.0.0 .4598673	更新
381	net-mst kernel module driver component for VMware ESXi 6.5 and 6.7	cp048358.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	2020.11.11 (A)	4.12.0.105-1OEM.650.0.0 .4598673	更新
382	net-mst kernel module driver component for VMware ESXi 7.0	cp048360.zip	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	2020.11.11 (A)	4.14.3.3-1OEM.700.1.0 .15525992	更新
383	net-mst kernel module driver component for VMware ESXi 7.0	cp048360.zip	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	2020.11.11 (A)	4.14.3.3-1OEM.700.1.0 .15525992	更新
384	net-mst kernel module driver component for VMware ESXi 7.0	cp048360.zip	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	2020.11.11 (A)	4.14.3.3-1OEM.700.1.0 .15525992	新規追加
385	net-mst kernel module driver component for VMware ESXi 7.0	cp048360.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	2020.11.11 (A)	4.14.3.3-1OEM.700.1.0 .15525992	更新
386	net-mst kernel module driver component for VMware ESXi 7.0	cp048360.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	2020.11.11 (A)	4.14.3.3-1OEM.700.1.0 .15525992	更新
387	net-mst kernel module driver component for VMware ESXi 7.0	cp048360.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	2020.11.11 (A)	4.14.3.3-1OEM.700.1.0 .15525992	更新
388	net-mst kernel module driver component for VMware ESXi 7.0	cp048360.zip	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	2020.11.11 (A)	4.14.3.3-1OEM.700.1.0 .15525992	更新
389	nmlx5_en Driver Component for VMware 6.5	cp047577.zip	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	2021.04.15	4.16.71.1-1OEM.650.0.0 .4598673	新規追加
390	nmlx5_en Driver Component for VMware 6.5	cp047577.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	2021.04.15	4.16.71.1-1OEM.650.0.0 .4598673	更新
391	nmlx5_en Driver Component for VMware 6.5	cp047577.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	2021.04.15	4.16.71.1-1OEM.650.0.0 .4598673	更新
392	nmlx5_en Driver Component for VMware 6.5	cp047577.zip	HPE InfiniBand EDR/Ethernet	2021.04.15	4.16.71.1-1OEM.650.0.0	更新



			100Gb 2-port 841QSFP28 Adapter		.4598673	
393	nmlx5_en Driver Component for VMware 6.7	cp047576.zip	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F- ACAT Adapter	2021.04.15	4.17.71.1- 10EM.670.0.0 .8169922	更新
394	nmlx5_en Driver Component for VMware 6.7	cp047576.zip	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	2021.04.15	4.17.71.1- 10EM.670.0.0 .8169922	更新
395	nmlx5_en Driver Component for VMware 6.7	cp047576.zip	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS- CDAT Adapter	2021.04.15	4.17.71.1- 10EM.670.0.0 .8169922	新規追加
396	nmlx5_en Driver Component for VMware 6.7	cp047576.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	2021.04.15	4.17.71.1- 10EM.670.0.0 .8169922	更新
397	nmlx5_en Driver Component for VMware 6.7	cp047576.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	2021.04.15	4.17.71.1- 10EM.670.0.0 .8169922	更新
398	nmlx5_en Driver Component for VMware 6.7	cp047576.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	2021.04.15	4.17.71.1- 10EM.670.0.0 .8169922	更新
399	nmlx5_en Driver Component for VMware 6.7	cp047576.zip	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	2021.04.15	4.17.71.1- 10EM.670.0.0 .8169922	更新
400	nmlx5_en Driver Component for VMware 7.0 U2	cp047641.zip	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F- ACAT Adapter	2021.04.21	4.21.71.101- 10EM.702.0.0 .17630552	更新
401	nmlx5_en Driver Component for VMware 7.0 U2	cp047641.zip	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	2021.04.21	4.21.71.101- 10EM.702.0.0 .17630552	更新
402	nmlx5_en Driver Component for VMware 7.0 U2	cp047641.zip	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS- CDAT Adapter	2021.04.21	4.21.71.101- 10EM.702.0.0 .17630552	新規追加
403	nmlx5_en Driver Component for VMware 7.0 U2	cp047641.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	2021.04.21	4.21.71.101- 10EM.702.0.0 .17630552	更新
404	nmlx5_en Driver Component for VMware 7.0 U2	cp047641.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	2021.04.21	4.21.71.101- 10EM.702.0.0 .17630552	更新
405	nmlx5_en Driver Component for VMware 7.0 U2	cp047641.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	2021.04.21	4.21.71.101- 10EM.702.0.0 .17630552	更新
406	nmlx5_en Driver Component for VMware 7.0 U2	cp047641.zip	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	2021.04.21	4.21.71.101- 10EM.702.0.0 .17630552	更新

## 6.2.5 Driver – Storage

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
407	HPE Smart Array S100i SR Gen10 SW RAID Driver for Windows Server 2016 and Windows Server 2019	cp048017.exe	-	106.12.6.0 (B)	106.12.6.0 (B)	更新
408	HPE Smart Storage SR100i Gen10 Plus SW RAID Driver for Windows Server 2016, and Windows Server 2019	cp047908.exe	-	106.124.70.1210	106.124.70.1210	更新

## 6.2.6 Driver – Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
409	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-2.1.12-055.rhel7u8.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel7u8	更新
410	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-2.1.12-055.rhel7u8.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel7u8	更新
411	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-2.1.12-055.rhel7u8.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel7u8	更新
412	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-2.1.12-055.rhel7u8.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel7u8	更新
413	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-2.1.12-055.rhel7u8.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel7u8	更新
414	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-2.1.12-055.rhel7u8.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel7u8	更新
415	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-2.1.12-055.rhel7u8.x86_64.rpm	Microchip SR932i-p Cntrl for HPE Gen10+	2.1.12-055	2.1.12-055.rhel7u8	新規追加
416	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-2.1.12-055.rhel7u8.x86_64.rpm	Microchip SR416i-a Cntrl for HPE Gen10+	2.1.12-055	2.1.12-055.rhel7u8	新規追加
417	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-2.1.12-055.rhel7u9.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel7u9	更新

418	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-2.1.12-055.rhel7u9.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel7u9	更新
419	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-2.1.12-055.rhel7u9.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel7u9	更新
420	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-2.1.12-055.rhel7u9.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel7u9	更新
421	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-2.1.12-055.rhel7u9.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel7u9	更新
422	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-2.1.12-055.rhel7u9.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel7u9	更新
423	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-2.1.12-055.rhel7u9.x86_64.rpm	Microchip SR932i-p Cntrl for HPE Gen10+	2.1.12-055	2.1.12-055.rhel7u9	新規追加
424	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-2.1.12-055.rhel7u9.x86_64.rpm	Microchip SR416i-a Cntrl for HPE Gen10+	2.1.12-055	2.1.12-055.rhel7u9	新規追加
425	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.12-055.rhel8u3.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel8u3	更新
426	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.12-055.rhel8u3.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel8u3	更新
427	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.12-055.rhel8u3.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel8u3	更新
428	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.12-055.rhel8u3.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel8u3	更新
429	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.12-055.rhel8u3.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel8u3	更新
430	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.12-055.rhel8u3.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel8u3	更新

431	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.12-055.rhel8u3.x86_64.rpm	Microchip SR932i-p Cntrl for HPE Gen10+	2.1.12-055	2.1.12-055.rhel8u3	新規追加
432	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.12-055.rhel8u3.x86_64.rpm	Microchip SR416i-a Cntrl for HPE Gen10+	2.1.12-055	2.1.12-055.rhel8u3	新規追加
433	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.12-055.rhel8u4.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel8u4	新規追加
434	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.12-055.rhel8u4.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel8u4	新規追加
435	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.12-055.rhel8u4.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel8u4	新規追加
436	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.12-055.rhel8u4.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel8u4	新規追加
437	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.12-055.rhel8u4.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel8u4	新規追加
438	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.12-055.rhel8u4.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	2.1.12-055	2.1.12-055.rhel8u4	新規追加
439	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.12-055.rhel8u4.x86_64.rpm	Microchip SR932i-p Cntrl for HPE Gen10+	2.1.12-055	2.1.12-055.rhel8u4	新規追加
440	HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.12-055.rhel8u4.x86_64.rpm	Microchip SR416i-a Cntrl for HPE Gen10+	2.1.12-055	2.1.12-055.rhel8u4	新規追加
441	HPE ProLiant Gen10 Smart Array and Gen10 Plus Smart RAID Controller Driver for VMware vSphere 6.7 (Driver Component).	cp047415.zip	HPE Smart Array P408i-a SR Gen10 Controller	2021.09.01	67.4150.0.119-10EM.670.0.0.8169922	新規追加
442	HPE ProLiant Gen10 Smart Array and Gen10 Plus Smart RAID Controller Driver for VMware vSphere 6.7 (Driver Component).	cp047415.zip	HPE Smart Array P408i-p SR Gen10 Controller	2021.09.01	67.4150.0.119-10EM.670.0.0.8169922	新規追加
443	HPE ProLiant Gen10 Smart Array and Gen10 Plus Smart RAID Controller Driver for VMware vSphere 6.7 (Driver Component).	cp047415.zip	HPE Smart Array P816i-a SR Gen10 Controller	2021.09.01	67.4150.0.119-10EM.670.0.0.8169922	新規追加
444	HPE ProLiant Gen10 Smart	cp047415.zip	HPE Smart Array	2021.09.01	67.4150.0.119	新規追加

	Array and Gen10 Plus Smart RAID Controller Driver for VMware vSphere 6.7 (Driver Component).		E208e-p SR Gen10 Controller		- 1OEM.670.0.0 .8169922	
445	HPE ProLiant Gen10 Smart Array and Gen10 Plus Smart RAID Controller Driver for VMware vSphere 6.7 (Driver Component).	cp047415.zip	HPE Smart Array E208i-a SR Gen10 Controller	2021.09.01	67.4150.0.119 - 1OEM.670.0.0 .8169922	新規追加
446	HPE ProLiant Gen10 Smart Array and Gen10 Plus Smart RAID Controller Driver for VMware vSphere 6.7 (Driver Component).	cp047415.zip	HPE Smart Array E208i-p SR Gen10 Controller	2021.09.01	67.4150.0.119 - 1OEM.670.0.0 .8169922	新規追加
447	HPE ProLiant Gen10 Smart Array and Gen10 Plus Smart RAID Controller Driver for VMware vSphere 6.7 (Driver Component).	cp047415.zip	Microchip SR932i-p Cntrl for HPE Gen10+	2021.09.01	67.4150.0.119 - 1OEM.670.0.0 .8169922	新規追加
448	HPE ProLiant Gen10 Smart Array and Gen10 Plus Smart RAID Controller Driver for VMware vSphere 6.7 (Driver Component).	cp047415.zip	Microchip SR416i-a Cntrl for HPE Gen10+	2021.09.01	67.4150.0.119 - 1OEM.670.0.0 .8169922	新規追加
449	HPE ProLiant Gen10 Smart Array and Gen10 Plus Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp047416.zip	HPE Smart Array P408i-a SR Gen10 Controller	2021.09.01	70.4150.0.119 - 1OEM.700.1.0 .15843807	新規追加
450	HPE ProLiant Gen10 Smart Array and Gen10 Plus Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp047416.zip	HPE Smart Array P408i-p SR Gen10 Controller	2021.09.01	70.4150.0.119 - 1OEM.700.1.0 .15843807	新規追加
451	HPE ProLiant Gen10 Smart Array and Gen10 Plus Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp047416.zip	HPE Smart Array P816i-a SR Gen10 Controller	2021.09.01	70.4150.0.119 - 1OEM.700.1.0 .15843807	新規追加
452	HPE ProLiant Gen10 Smart Array and Gen10 Plus Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp047416.zip	HPE Smart Array E208e-p SR Gen10 Controller	2021.09.01	70.4150.0.119 - 1OEM.700.1.0 .15843807	新規追加
453	HPE ProLiant Gen10 Smart Array and Gen10 Plus Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp047416.zip	HPE Smart Array E208i-a SR Gen10 Controller	2021.09.01	70.4150.0.119 - 1OEM.700.1.0 .15843807	新規追加
454	HPE ProLiant Gen10 Smart Array and Gen10 Plus Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp047416.zip	HPE Smart Array E208i-p SR Gen10 Controller	2021.09.01	70.4150.0.119 - 1OEM.700.1.0 .15843807	新規追加
455	HPE ProLiant Gen10 Smart Array and Gen10 Plus Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp047416.zip	Microchip SR932i-p Cntrl for HPE Gen10+	2021.09.01	70.4150.0.119 - 1OEM.700.1.0 .15843807	新規追加
456	HPE ProLiant Gen10 Smart Array and Gen10 Plus Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp047416.zip	Microchip SR416i-a Cntrl for HPE Gen10+	2021.09.01	70.4150.0.119 - 1OEM.700.1.0 .15843807	新規追加
457	HPE ProLiant Gen10 Smart Array Controller Driver for	cp047414.zip	HPE Smart Array P408i-a SR Gen10	2021.09.01	65.4150.0.119 -	新規追加

	VMware vSphere 6.5 (Driver Component).		Controller		1OEM.650.0.0.4598673	
458	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.5 (Driver Component).	cp047414.zip	HPE Smart Array P408i-p SR Gen10 Controller	2021.09.01	65.4150.0.119 - 1OEM.650.0.0.4598673	新規追加
459	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.5 (Driver Component).	cp047414.zip	HPE Smart Array P816i-a SR Gen10 Controller	2021.09.01	65.4150.0.119 - 1OEM.650.0.0.4598673	新規追加
460	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.5 (Driver Component).	cp047414.zip	HPE Smart Array E208e-p SR Gen10 Controller	2021.09.01	65.4150.0.119 - 1OEM.650.0.0.4598673	新規追加
461	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.5 (Driver Component).	cp047414.zip	HPE Smart Array E208i-a SR Gen10 Controller	2021.09.01	65.4150.0.119 - 1OEM.650.0.0.4598673	新規追加
462	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.5 (Driver Component).	cp047414.zip	HPE Smart Array E208i-p SR Gen10 Controller	2021.09.01	65.4150.0.119 - 1OEM.650.0.0.4598673	新規追加
463	HPE Smart Array Gen10 and Gen10Plus Controller Driver for Windows Server 2016, Windows Server 2019, and Windows Server 2022	cp047413.exe	HPE Smart Array P408i-a SR Gen10 Controller	1010.6.0.1025	1010.6.0.1025	更新
464	HPE Smart Array Gen10 and Gen10Plus Controller Driver for Windows Server 2016, Windows Server 2019, and Windows Server 2022	cp047413.exe	HPE Smart Array P408i-p SR Gen10 Controller	1010.6.0.1025	1010.6.0.1025	更新
465	HPE Smart Array Gen10 and Gen10Plus Controller Driver for Windows Server 2016, Windows Server 2019, and Windows Server 2022	cp047413.exe	HPE Smart Array P816i-a SR Gen10 Controller	1010.6.0.1025	1010.6.0.1025	更新
466	HPE Smart Array Gen10 and Gen10Plus Controller Driver for Windows Server 2016, Windows Server 2019, and Windows Server 2022	cp047413.exe	HPE Smart Array E208e-p SR Gen10 Controller	1010.6.0.1025	1010.6.0.1025	更新
467	HPE Smart Array Gen10 and Gen10Plus Controller Driver for Windows Server 2016, Windows Server 2019, and Windows Server 2022	cp047413.exe	HPE Smart Array E208i-a SR Gen10 Controller	1010.6.0.1025	1010.6.0.1025	更新
468	HPE Smart Array Gen10 and Gen10Plus Controller Driver for Windows Server 2016, Windows Server 2019, and Windows Server 2022	cp047413.exe	HPE Smart Array E208i-p SR Gen10 Controller	1010.6.0.1025	1010.6.0.1025	更新
469	HPE Smart Array Gen10 and Gen10Plus Controller Driver for Windows Server 2016, Windows Server 2019, and Windows Server 2022	cp047413.exe	Microchip SR932i-p Cntrl for HPE Gen10+	1010.6.0.1025	1010.6.0.1025	新規追加
470	HPE Smart Array Gen10 and Gen10Plus Controller Driver for Windows Server 2016, Windows Server 2019, and Windows Server 2022	cp047413.exe	Microchip SR416i-a Cntrl for HPE Gen10+	1010.6.0.1025	1010.6.0.1025	新規追加

## 6.2.7 Driver - Storage Fibre Channel and Fibre Channel over Ethernet

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
471	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2016	cp046810.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	12.8.351.7	12.8.351.7	新規追加
472	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2016	cp046810.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	12.8.351.7	12.8.351.7	新規追加
473	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2016	cp046810.exe	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	12.8.351.7	12.8.351.7	新規追加
474	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2016	cp046810.exe	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	12.8.351.7	12.8.351.7	新規追加
475	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2016	cp046810.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	12.8.351.7	12.8.351.7	新規追加
476	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2016	cp046810.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	12.8.351.7	12.8.351.7	新規追加
477	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp046808.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	12.8.351.7	12.8.351.7	更新
478	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp046808.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	12.8.351.7	12.8.351.7	更新
479	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp046808.exe	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	12.8.351.7	12.8.351.7	更新
480	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp046808.exe	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	12.8.351.7	12.8.351.7	更新
481	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp046808.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	12.8.351.7	12.8.351.7	更新
482	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp046808.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	12.8.351.7	12.8.351.7	更新

483	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2016	cp046828.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	9.4.5.20	9.4.5.20	更新
484	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2016	cp046828.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	9.4.5.20	9.4.5.20	更新
485	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2016	cp046828.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	9.4.5.20	9.4.5.20	更新
486	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2016	cp046828.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	9.4.5.20	9.4.5.20	更新
487	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2016	cp046828.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.5.20	9.4.5.20	更新
488	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2016	cp046828.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.5.20	9.4.5.20	更新
489	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp046829.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	9.4.5.20	9.4.5.20	更新
490	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp046829.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	9.4.5.20	9.4.5.20	更新
491	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp046829.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	9.4.5.20	9.4.5.20	更新
492	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp046829.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	9.4.5.20	9.4.5.20	更新
493	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp046829.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.5.20	9.4.5.20	更新
494	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp046829.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.5.20	9.4.5.20	更新
495	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel7u8.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel7u8	更新



496	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel7u8.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel7u8	更新
497	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel7u8.x86_64.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel7u8	更新
498	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel7u8.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel7u8	更新
499	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel7u8.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel7u8	更新
500	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel7u8.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel7u8	更新
501	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.00.a14_k1-1.rhel7u8.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	10.02.01.00.a14-k1 (b)	10.02.01.00.a14_k1-1.rhel7u8	更新
502	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.00.a14_k1-1.rhel7u8.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	10.02.01.00.a14-k1 (b)	10.02.01.00.a14_k1-1.rhel7u8	更新
503	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.00.a14_k1-1.rhel7u8.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	10.02.01.00.a14-k1 (b)	10.02.01.00.a14_k1-1.rhel7u8	更新
504	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.00.a14_k1-1.rhel7u8.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	10.02.01.00.a14-k1 (b)	10.02.01.00.a14_k1-1.rhel7u8	更新
505	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.00.a14_k1-1.rhel7u8.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	10.02.01.00.a14-k1 (b)	10.02.01.00.a14_k1-1.rhel7u8	更新
506	Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.00.a14_k1-1.rhel7u8.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	10.02.01.00.a14-k1 (b)	10.02.01.00.a14_k1-1.rhel7u8	更新
507	Red Hat Enterprise Linux 7 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel7u9.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel7u9	更新

508	Red Hat Enterprise Linux 7 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel7u9.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel7u9	更新
509	Red Hat Enterprise Linux 7 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel7u9.x86_64.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel7u9	更新
510	Red Hat Enterprise Linux 7 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel7u9.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel7u9	更新
511	Red Hat Enterprise Linux 7 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel7u9.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel7u9	更新
512	Red Hat Enterprise Linux 7 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel7u9.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel7u9	更新
513	Red Hat Enterprise Linux 7 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.00.a14_k1-1.rhel7u9.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	10.02.01.00.a14-k1 (b)	10.02.01.00.a14_k1-1.rhel7u9	更新
514	Red Hat Enterprise Linux 7 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.00.a14_k1-1.rhel7u9.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	10.02.01.00.a14-k1 (b)	10.02.01.00.a14_k1-1.rhel7u9	更新
515	Red Hat Enterprise Linux 7 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.00.a14_k1-1.rhel7u9.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	10.02.01.00.a14-k1 (b)	10.02.01.00.a14_k1-1.rhel7u9	更新
516	Red Hat Enterprise Linux 7 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.00.a14_k1-1.rhel7u9.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	10.02.01.00.a14-k1 (b)	10.02.01.00.a14_k1-1.rhel7u9	更新
517	Red Hat Enterprise Linux 7 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.00.a14_k1-1.rhel7u9.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	10.02.01.00.a14-k1 (b)	10.02.01.00.a14_k1-1.rhel7u9	更新
518	Red Hat Enterprise Linux 7 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.00.a14_k1-1.rhel7u9.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	10.02.01.00.a14-k1 (b)	10.02.01.00.a14_k1-1.rhel7u9	更新
519	Red Hat Enterprise Linux 8 Update 3 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel8u3.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel8u3	更新

520	Red Hat Enterprise Linux 8 Update 3 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel8u3.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel8u3	更新
521	Red Hat Enterprise Linux 8 Update 3 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel8u3.x86_64.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel8u3	更新
522	Red Hat Enterprise Linux 8 Update 3 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel8u3.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel8u3	更新
523	Red Hat Enterprise Linux 8 Update 3 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel8u3.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel8u3	更新
524	Red Hat Enterprise Linux 8 Update 3 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel8u3.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel8u3	更新
525	Red Hat Enterprise Linux 8 Update 3 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.00.a14_k1-1.rhel8u3.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	10.02.01.00.a14-k1 (b)	10.02.01.00.a14_k1-1.rhel8u3	更新
526	Red Hat Enterprise Linux 8 Update 3 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.00.a14_k1-1.rhel8u3.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	10.02.01.00.a14-k1 (b)	10.02.01.00.a14_k1-1.rhel8u3	更新
527	Red Hat Enterprise Linux 8 Update 3 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.00.a14_k1-1.rhel8u3.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	10.02.01.00.a14-k1 (b)	10.02.01.00.a14_k1-1.rhel8u3	更新
528	Red Hat Enterprise Linux 8 Update 3 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.00.a14_k1-1.rhel8u3.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	10.02.01.00.a14-k1 (b)	10.02.01.00.a14_k1-1.rhel8u3	更新
529	Red Hat Enterprise Linux 8 Update 3 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.00.a14_k1-1.rhel8u3.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	10.02.01.00.a14-k1 (b)	10.02.01.00.a14_k1-1.rhel8u3	更新
530	Red Hat Enterprise Linux 8 Update 3 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.00.a14_k1-1.rhel8u3.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	10.02.01.00.a14-k1 (b)	10.02.01.00.a14_k1-1.rhel8u3	更新
531	Red Hat Enterprise Linux 8 Update 4 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel8u4.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel8u4	新規追加

532	Red Hat Enterprise Linux 8 Update 4 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel8u4.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel8u4	新規追加
533	Red Hat Enterprise Linux 8 Update 4 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel8u4.x86_64.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel8u4	新規追加
534	Red Hat Enterprise Linux 8 Update 4 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel8u4.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel8u4	新規追加
535	Red Hat Enterprise Linux 8 Update 4 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel8u4.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel8u4	新規追加
536	Red Hat Enterprise Linux 8 Update 4 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-elx-lpfc-12.8.528.7-1.rhel8u4.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	12.8.528.7	12.8.528.7-1.rhel8u4	新規追加
537	Red Hat Enterprise Linux 8 Update 4 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.01.a2_k1-4.rhel8u4.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	10.02.01.01.a2-k1	10.02.01.01.a2_k1-4.rhel8u4	新規追加
538	Red Hat Enterprise Linux 8 Update 4 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.01.a2_k1-4.rhel8u4.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	10.02.01.01.a2-k1	10.02.01.01.a2_k1-4.rhel8u4	新規追加
539	Red Hat Enterprise Linux 8 Update 4 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.01.a2_k1-4.rhel8u4.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	10.02.01.01.a2-k1	10.02.01.01.a2_k1-4.rhel8u4	新規追加
540	Red Hat Enterprise Linux 8 Update 4 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.01.a2_k1-4.rhel8u4.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	10.02.01.01.a2-k1	10.02.01.01.a2_k1-4.rhel8u4	新規追加
541	Red Hat Enterprise Linux 8 Update 4 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.01.a2_k1-4.rhel8u4.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	10.02.01.01.a2-k1	10.02.01.01.a2_k1-4.rhel8u4	新規追加
542	Red Hat Enterprise Linux 8 Update 4 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.01.01.a2_k1-4.rhel8u4.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	10.02.01.01.a2-k1	10.02.01.01.a2_k1-4.rhel8u4	新規追加

### 6.2.8 Driver - System

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
543	HPE Non-Volatile Memory Drivers for Microsoft Windows Server 2016	cp047945.exe	-	3.0.2.0 (B)	3.0.2.0 (B)	更新

### 6.2.9 Driver - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
544	iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2016 and Microsoft Windows Server 2019	cp047942.exe	-	4.7.1.0 (B)	4.7.1.0 (B)	更新
545	iLO 5 Channel Interface Driver for Microsoft Windows Server 2016 and Microsoft Windows Server 2019	cp047941.exe	-	4.7.1.0 (B)	4.7.1.0 (B)	更新

### 6.2.10 Driver - Video

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
546	Matrox G200eH3 Video Controller Driver for Microsoft Windows 64-bit	cp048496.exe	-	9.15.1.248	9.15.1.248	更新

### 6.2.11 Firmware - Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
547	Language Pack - Japanese	cp049331.exe	Japanese Language Pack	2.55	2.55.21	更新
548	Language Pack - Japanese	firmware-ilo5-lpk-jari11-2.55-1.1.x86_64.rpm	Japanese Language Pack	2.55	2.55.21	更新
549	Online ROM Flash Component for Linux - iLO 5	firmware-ilo5-2.55-1.1.x86_64.rpm	iLO 5	2.55	2.55	更新
550	Online ROM Flash Component for Windows x64 - iLO 5	cp049297.exe	iLO 5	2.55	2.55	更新
551	Online ROM Flash Firmware Package - iLO 5	ilo5_255.fwpkg	iLO 5	2.55	2.55	更新

### 6.2.12 Firmware - Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
552	Broadcom Firmware Package for BCM5741x adapters	bcm218.0.166.0.pup.fw pkg	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	218.0.166.0 (B)	218.0.166.0	
553	Broadcom Firmware Package for BCM5741x adapters	bcm218.0.166.0.pup.fw pkg	BCM 57416 10GbE 2p BASE-T Adptr	218.0.166.0 (B)	218.0.166.0	
554	Broadcom Firmware Package for BCM5741x adapters	bcm218.0.166.0.pup.fw pkg	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	218.0.166.0 (B)	218.0.166.0	
555	Broadcom Firmware Package for BCM5741x adapters	bcm218.0.166.0.pup.fw pkg	BCM 57412 10GbE 2p SFP+ Adptr	218.0.166.0 (B)	218.0.166.0	

556	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm218.0.166000.Optimized.pup.fwpkg	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	218.0.16600 (B)	218.0.166000	更新
557	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm218.0.166000.Optimized.pup.fwpkg	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	218.0.16600 (B)	218.0.166000	更新
558	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm218.0.166000.Optimized.pup.fwpkg	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	218.0.16600 (B)	218.0.166000	更新
559	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm218.0.166000.Optimized.pup.fwpkg	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	218.0.16600 (B)	218.0.166000	更新
560	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm218.0.166000.Optimized.pup.fwpkg	HPE Ethernet 10Gb 2-port 535T Adapter	218.0.16600 (B)	218.0.166000	更新
561	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm218.0.166000.Optimized.pup.fwpkg	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	218.0.16600 (B)	218.0.166000	更新
562	HPE Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-broadcom-2.27.6-1.1.x86_64.rpm	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	2.27.6	20.18.31	
563	HPE Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-broadcom-2.27.6-1.1.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	2.27.6	20.18.31	
564	HPE Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-broadcom-2.27.6-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	2.27.6	20.18.31	
565	HPE Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-broadcom-2.27.6-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	2.27.6	20.18.31	
566	HPE Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-broadcom-2.27.6-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	2.27.6	20.18.31	
567	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP045013.zip	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	1.28.6	20.18.31	
568	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP045013.zip	HP Ethernet 1Gb 2-port 332T Adapter	1.28.6	20.18.31	
569	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP045013.zip	HP Ethernet 1Gb 4-port 331FLR Adapter	1.28.6	20.18.31	
570	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP045013.zip	HP Ethernet 1Gb 4-port 331T Adapter	1.28.6	20.18.31	
571	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP045013.zip	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	1.28.6	20.18.31	
572	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp045014.exe	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	5.2.4.0	20.18.31	
573	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp045014.exe	HP Ethernet 1Gb 2-port 332T Adapter	5.2.4.0	20.18.31	
574	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp045014.exe	HP Ethernet 1Gb 4-port 331FLR Adapter	5.2.4.0	20.18.31	
575	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp045014.exe	HP Ethernet 1Gb 4-port 331T Adapter	5.2.4.0	20.18.31	
576	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp045014.exe	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	5.2.4.0	20.18.31	

577	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.22.6-1.1.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	1.22.6	1.2836.0	更新
578	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.22.6-1.1.x86_64.rpm	HPE Ethernet 1Gb 2-port 361T Adapter	1.22.6	1.2836.0	更新
579	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.22.6-1.1.x86_64.rpm	HPE Ethernet 1Gb 4-port 366FLR Adapter	1.22.6	1.2836.0	更新
580	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.22.6-1.1.x86_64.rpm	HPE Ethernet 1Gb 4-port 366T Adapter	1.22.6	1.2836.0	更新
581	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.22.6-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.22.6	10.54.7	更新
582	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.22.6-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	1.22.6	10.54.4	更新
583	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.22.6-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.22.6	10.54.7	更新
584	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.22.6-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	1.22.6	10.54.4	更新
585	HPE Intel Online Firmware Upgrade Utility for VMware	CP047025.zip	HPE Ethernet 1Gb 4-port 369i Adapter	3.15.5	1.2836.0	更新
586	HPE Intel Online Firmware Upgrade Utility for VMware	CP047025.zip	HPE Ethernet 1Gb 2-port 361T Adapter	3.15.5	1.2836.0	更新
587	HPE Intel Online Firmware Upgrade Utility for VMware	CP047025.zip	HPE Ethernet 1Gb 4-port 366FLR Adapter	3.15.5	1.2836.0	更新
588	HPE Intel Online Firmware Upgrade Utility for VMware	CP047025.zip	HPE Ethernet 1Gb 4-port 366T Adapter	3.15.5	1.2836.0	更新
589	HPE Intel Online Firmware Upgrade Utility for VMware	CP047025.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	3.15.5	10.54.7	更新
590	HPE Intel Online Firmware Upgrade Utility for VMware	CP047025.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	3.15.5	10.54.4	更新
591	HPE Intel Online Firmware Upgrade Utility for VMware	CP047025.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	3.15.5	10.54.7	更新
592	HPE Intel Online Firmware Upgrade Utility for VMware	CP047025.zip	HPE Ethernet 10Gb 2-port 562T Adapter	3.15.5	10.54.4	更新
593	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp047026.exe	HPE Ethernet 1Gb 4-port 369i Adapter	5.2.5.0	1.2836.0	更新
594	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp047026.exe	HPE Ethernet 1Gb 2-port 361T Adapter	5.2.5.0	1.2836.0	更新
595	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp047026.exe	HPE Ethernet 1Gb 4-port 366FLR Adapter	5.2.5.0	1.2836.0	更新
596	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp047026.exe	HPE Ethernet 1Gb 4-port 366T Adapter	5.2.5.0	1.2836.0	更新
597	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp047026.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	5.2.5.0	10.54.7	更新

598	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp047026.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.2.5.0	10.54.4	更新
599	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp047026.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	5.2.5.0	10.54.7	更新
600	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp047026.exe	HPE Ethernet 10Gb 2-port 562T Adapter	5.2.5.0	10.54.4	更新
601	HPE QLogic FastLinQ Firmware Package for Arrowhead adapters	ql_hp_ah_mbi_8.55.27_pldm.fwpkg	HPE 10GbE 2p BASE-T QL41401 Adptr(HPE Eth 10Gb 2p 521T Adptr)	8.55.27	8.55.27	更新
602	HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-nx2-2.29.2-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	2.29.2	7.18.82	更新
603	HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-nx2-2.29.2-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 530T Adapter	2.29.2	7.18.82	更新
604	HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-nx2-2.29.2-1.1.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2.29.2	7.18.82	更新
605	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP046935.zip	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	1.29.3	7.18.82	更新
606	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP046935.zip	HPE Ethernet 10Gb 2-port 530T Adapter	1.29.3	7.18.82	更新
607	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP046935.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	1.29.3	7.18.82	更新
608	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp046936.exe	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	5.2.5.0	7.18.82	更新
609	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp046936.exe	HPE Ethernet 10Gb 2-port 530T Adapter	5.2.5.0	7.18.82	更新
610	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp046936.exe	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	5.2.5.0	7.18.82	更新
611	Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	HPE_E810_CQDA2_OCP_3p00_NCSlwPLDMoMCTP_80008234.fwpkg	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	3.00	3.00	更新
612	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter	HPE_E810_XXVDA2_SD_3p00_PLDMoMCTP_80008250.fwpkg	Intel E810-XXVDA2 adapter	3.00	3.00	更新
613	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter	HPE_E810_XXVDA2_SD_OCP_3p00_NCSlwPLDMoMCTP_80008265.fw pkg	Intel E810-XXVDA2 OCP3 adapter	3.00	3.00	更新
614	Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	HPE_E810_XXVDA4_FH_3p00_PLDMoMCTP_80008278.fwpkg	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	3.00	3.00	更新
615	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.23.5-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	1.23.5	1.2829.0	更新



616	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.23.5-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	1.23.5	1.2829.0	更新
617	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.23.5-1.1.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	1.23.5	1.2839.0	更新
618	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.23.5-1.1.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	1.23.5	1.2839.0	更新
619	Intel Online Firmware Upgrade Utility for VMware	CP047006.zip	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	3.16.5	1.2829.0	更新
620	Intel Online Firmware Upgrade Utility for VMware	CP047006.zip	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	3.16.5	1.2829.0	更新
621	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp047007.exe	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	5.2.5.0	1.2829.0	更新
622	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp047007.exe	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	5.2.5.0	1.2829.0	更新
623	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp047007.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	5.2.5.0	1.2839.0	更新
624	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp047007.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	5.2.5.0	1.2839.0	更新
625	Mellanox Firmware Package(FWPKG) for HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter	16_31_1200-MCX512F-ACH_Ax_Bx.pldm.fwpkg	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	16.31.1200	16.31.1200	新規追加
626	Mellanox Firmware Package(FWPKG) for HPE Ethernet 100Gb 1-port QSFP28 MCX515A-CCAT PCIe3 x16 Adapter	16_31_1014-MCX515A-CCA_HPE_Ax.pldm.fwpkg	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	16.31.1014	16.31.1014	新規追加
627	Mellanox Firmware Package(FWPKG) for HPE Ethernet 100Gb 2-Port QSFP56 MCX623106AS-CDAT Adapter	22_31_1014-MCX623106AS-CDA_Ax.pldm.fwpkg	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	22.31.1014	22.31.1014	新規追加
628	Mellanox Firmware Package(FWPKG) for HPE InfiniBand HDR100/Ethernet 100Gb 2-port MCX653106A-ECAT QSFP56 x16 Adapter	20_31_1014-MCX653106A-ECA_HPE_Ax.pldm.fwpkg	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	20.31.1014	20.31.1014	新規追加
629	Online Firmware Upgrade Utility (ESXi 6.5) for HPE Mellanox Ethernet only adapters	CP046583.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.10	14.31.1200	更新
630	Online Firmware Upgrade Utility (ESXi 6.5) for HPE Mellanox Ethernet only adapters	CP046583.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.10	14.31.1200	更新
631	Online Firmware Upgrade Utility (ESXi 6.5) for HPE	CP047547.zip	HPE InfiniBand EDR/Ethernet	1.0.9	16.31.1200	更新

	Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 6.5		100Gb 2-port 841QSFP28 Adapter			
632	Online Firmware Upgrade Utility (ESXi 6.7) for HPE Mellanox Ethernet only adapters	CP046584.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.6	14.31.1200	更新
633	Online Firmware Upgrade Utility (ESXi 6.7) for HPE Mellanox Ethernet only adapters	CP046584.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.6	14.31.1200	更新
634	Online Firmware Upgrade Utility (ESXi 6.7) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 6.7	CP047548.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.5	16.31.1200	更新
635	Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox Ethernet only adapters	CP046592.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.2	14.31.1200	更新
636	Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox Ethernet only adapters	CP046592.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.2	14.31.1200	更新
637	Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 7.0	CP047549.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.2	16.31.1200	更新
638	Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox Ethernet only adapters	firmware-nic-mellanox-ethernet-only-1.0.15-1.1.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.15	14.31.1200	更新
639	Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox Ethernet only adapters	firmware-nic-mellanox-ethernet-only-1.0.15-1.1.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.15	14.31.1200	更新
640	Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on Linux x86_64 platform	firmware-hca-mellanox-vpi-connectx4-1.0.11-1.1.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.11	16.31.1200	更新
641	Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on Linux x86_64 platform	firmware-hca-mellanox-vpi-connectx6-mft-1.0.7-1.1.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.7	20.31.1014	更新
642	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox Ethernet only adapters	cp046585.exe	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.0.15	14.31.1200	更新
643	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox Ethernet only adapters	cp046585.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.0.15	14.31.1200	更新
644	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on Windows x86_64 platform	cp047546.exe	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.0.10	16.31.1200	更新

### 6.2.13 Firmware - PCIe NVMe Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
645	Online NVMe SSD Flash Component for Linux (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	firmware-hdd-c4355d15c4-4ICSHPK4-3.1.x86_64.rpm	ET000750KWJTF	4ICSHPK4 (C)	4ICSHPK4	新規追加
646	Online NVMe SSD Flash Component for Linux (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	firmware-hdd-c4355d15c4-4ICSHPK4-3.1.x86_64.rpm	EO000375KWJUC	4ICSHPK4 (C)	4ICSHPK4	新規追加
647	Online NVMe SSD Flash Component for Linux (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	firmware-hdd-c4355d15c4-4ICSHPK4-3.1.x86_64.rpm	EO000750KWTXC	4ICSHPK4 (C)	4ICSHPK4	新規追加
648	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK3-2.1.x86_64.rpm	KCD6XVUL1T60	GPK3 (B)	GPK3	新規追加
649	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK3-2.1.x86_64.rpm	KCD6XVUL3T20	GPK3 (B)	GPK3	新規追加
650	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK3-2.1.x86_64.rpm	KCD6XVUL6T40	GPK3 (B)	GPK3	新規追加
651	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84,	firmware-hdd-6fc985bd3b-GPK3-2.1.x86_64.rpm	KCD6XVUL12T8	GPK3 (B)	GPK3	新規追加

	KCD6XLUL7T68 and KCD6XLUL15T3 Drives					
652	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd- 6fc985bd3b-GPK3- 2.1.x86_64.rpm	KCD6XVUL800G	GPK3 (B)	GPK3	新規追加
653	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd- 6fc985bd3b-GPK3- 2.1.x86_64.rpm	KCD6XLUL1T92	GPK3 (B)	GPK3	新規追加
654	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd- 6fc985bd3b-GPK3- 2.1.x86_64.rpm	KCD6XLUL3T84	GPK3 (B)	GPK3	新規追加
655	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd- 6fc985bd3b-GPK3- 2.1.x86_64.rpm	KCD6XLUL7T68	GPK3 (B)	GPK3	新規追加
656	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd- 6fc985bd3b-GPK3- 2.1.x86_64.rpm	KCD6XLUL15T3	GPK3 (B)	GPK3	新規追加
657	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60,	firmware-hdd- 6fc985bd3b-GPK3- 2.1.x86_64.rpm	KCD6XLUL960G	GPK3 (B)	GPK3	新規追加

	KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives					
658	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK3-2.1.x86_64.rpm	KCM6XVUL800G	GPK3 (B)	GPK3	新規追加
659	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK3-2.1.x86_64.rpm	KCM6XVUL1T60	GPK3 (B)	GPK3	新規追加
660	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK3-2.1.x86_64.rpm	KCM6XVUL3T20	GPK3 (B)	GPK3	新規追加
661	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK3-2.1.x86_64.rpm	KCM6XVUL6T40	GPK3 (B)	GPK3	新規追加
662	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK3-2.1.x86_64.rpm	KCM6XRUL960G	GPK3 (B)	GPK3	新規追加
663	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92,	firmware-hdd-3815d4b024-GPK3-2.1.x86_64.rpm	KCM6XRUL1T92	GPK3 (B)	GPK3	新規追加

	KCM6XRUL3T84 and KCM6XRUL7T68 Drives					
664	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK3-2.1.x86_64.rpm	KCM6XRUL3T84	GPK3 (B)	GPK3	新規追加
665	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK3-2.1.x86_64.rpm	KCM6XRUL7T68	GPK3 (B)	GPK3	新規追加
666	Online NVMe SSD Flash Component for Linux (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB and LT2000KEXVC Drives	firmware-hdd-d64642c780-HPK4-6.1.x86_64.rpm	LO0400KEFJQ	HPK4 (F)	HPK4	更新
667	Online NVMe SSD Flash Component for Linux (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB and LT2000KEXVC Drives	firmware-hdd-d64642c780-HPK4-6.1.x86_64.rpm	LO0800KEFJR	HPK4 (F)	HPK4	更新
668	Online NVMe SSD Flash Component for Linux (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB and LT2000KEXVC Drives	firmware-hdd-d64642c780-HPK4-6.1.x86_64.rpm	LO1600KEFJT	HPK4 (F)	HPK4	更新
669	Online NVMe SSD Flash Component for Linux (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB and LT2000KEXVC Drives	firmware-hdd-d64642c780-HPK4-6.1.x86_64.rpm	LO2000KEFJU	HPK4 (F)	HPK4	更新
670	Online NVMe SSD Flash Component for Linux (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB and LT2000KEXVC Drives	firmware-hdd-d64642c780-HPK4-6.1.x86_64.rpm	LT0800KEXVA	HPK4 (F)	HPK4	更新
671	Online NVMe SSD Flash Component for Linux (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB and LT2000KEXVC Drives	firmware-hdd-d64642c780-HPK4-6.1.x86_64.rpm	LT1600KEXVB	HPK4 (F)	HPK4	更新
672	Online NVMe SSD Flash Component for Linux (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB and LT2000KEXVC Drives	firmware-hdd-d64642c780-HPK4-6.1.x86_64.rpm	LT2000KEXVC	HPK4 (F)	HPK4	更新
673	Online NVMe SSD Flash Component for Linux (x64) -	firmware-hdd-b45e49679c-HPK4-	VK001920KWDUH	HPK4 (F)	HPK4	更新

	MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	6.1.x86_64.rpm				
674	Online NVMe SSD Flash Component for Linux (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	firmware-hdd- b45e49679c-HPK4- 6.1.x86_64.rpm	MK001600KWDU N	HPK4 (F)	HPK4	更新
675	Online NVMe SSD Flash Component for Linux (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	firmware-hdd- b45e49679c-HPK4- 6.1.x86_64.rpm	VK000960KWDUF	HPK4 (F)	HPK4	更新
676	Online NVMe SSD Flash Component for Linux (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	firmware-hdd- b45e49679c-HPK4- 6.1.x86_64.rpm	MK000800KWDU L	HPK4 (F)	HPK4	更新
677	Online NVMe SSD Flash Component for Linux (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	firmware-hdd- b45e49679c-HPK4- 6.1.x86_64.rpm	VK000480KWDUE	HPK4 (F)	HPK4	更新
678	Online NVMe SSD Flash Component for Linux (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	firmware-hdd- b45e49679c-HPK4- 6.1.x86_64.rpm	MK000400KWDU K	HPK4 (F)	HPK4	更新
679	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd- 54addf5312-HPK3- 6.1.x86_64.rpm	MK000800KWWF E	HPK3 (F)	HPK3	更新
680	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd- 54addf5312-HPK3- 6.1.x86_64.rpm	MK001600KWWF F	HPK3 (F)	HPK3	更新

681	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-6.1.x86_64.rpm	MK003200KWWFH	HPK3 (F)	HPK3	更新
682	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-6.1.x86_64.rpm	MK006400KWWFK	HPK3 (F)	HPK3	更新
683	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-6.1.x86_64.rpm	VK000960KWWFL	HPK3 (F)	HPK3	更新
684	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-6.1.x86_64.rpm	VK001920KWWFN	HPK3 (F)	HPK3	更新
685	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-6.1.x86_64.rpm	VK003840KWWFP	HPK3 (F)	HPK3	更新
686	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-6.1.x86_64.rpm	VK007680KWWFQ	HPK3 (F)	HPK3	更新
687	Online NVMe SSD Flash Component for Linux (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB,	firmware-hdd-cea219e4b1-HPK3-3.1.x86_64.rpm	MO001600KVVNB	HPK3 (C)	HPK3	更新



	MT003200KWSTC and MT006400KWSTD Drives					
688	Online NVMe SSD Flash Component for Linux (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd-cea219e4b1-HPK3-3.1.x86_64.rpm	MO003200KWVNC	HPK3 (C)	HPK3	更新
689	Online NVMe SSD Flash Component for Linux (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd-cea219e4b1-HPK3-3.1.x86_64.rpm	MO006400KWVND	HPK3 (C)	HPK3	更新
690	Online NVMe SSD Flash Component for Linux (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd-cea219e4b1-HPK3-3.1.x86_64.rpm	MT001600KWSTB	HPK3 (C)	HPK3	更新
691	Online NVMe SSD Flash Component for Linux (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd-cea219e4b1-HPK3-3.1.x86_64.rpm	MT003200KWSTC	HPK3 (C)	HPK3	更新
692	Online NVMe SSD Flash Component for Linux (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd-cea219e4b1-HPK3-3.1.x86_64.rpm	MT006400KWSTD	HPK3 (C)	HPK3	更新
693	Online NVMe SSD Flash Component for Linux (x64) - MO001600KWZQP and MO003200KWZQQ Drives	firmware-hdd-95b6ae2e85-HPK5-4.1.x86_64.rpm	MO001600KWZQP	HPK5 (D)	HPK5	更新
694	Online NVMe SSD Flash Component for Linux (x64) - MO001600KWZQP and MO003200KWZQQ Drives	firmware-hdd-95b6ae2e85-HPK5-4.1.x86_64.rpm	MO003200KWZQQ	HPK5 (D)	HPK5	更新
695	Online NVMe SSD Flash Component for Linux (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	firmware-hdd-2a5b65f157-HPK4-6.1.x86_64.rpm	MO0400KEFHN	HPK4 (F)	HPK4	更新
696	Online NVMe SSD Flash Component for Linux (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	firmware-hdd-2a5b65f157-HPK4-6.1.x86_64.rpm	MO0800KEFHP	HPK4 (F)	HPK4	更新

697	Online NVMe SSD Flash Component for Linux (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	firmware-hdd-2a5b65f157-HPK4-6.1.x86_64.rpm	MO1600KEFHQ	HPK4 (F)	HPK4	更新
698	Online NVMe SSD Flash Component for Linux (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	firmware-hdd-2a5b65f157-HPK4-6.1.x86_64.rpm	MO2000KEFHR	HPK4 (F)	HPK4	更新
699	Online NVMe SSD Flash Component for Linux (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	firmware-hdd-2a5b65f157-HPK4-6.1.x86_64.rpm	MT0800KEXUU	HPK4 (F)	HPK4	更新
700	Online NVMe SSD Flash Component for Linux (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	firmware-hdd-2a5b65f157-HPK4-6.1.x86_64.rpm	MT1600KEXUV	HPK4 (F)	HPK4	更新
701	Online NVMe SSD Flash Component for Linux (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	firmware-hdd-8e8ddc5265-HPS1-6.1.x86_64.rpm	MT001600KWHAC	HPS1 (F)	HPS1	更新
702	Online NVMe SSD Flash Component for Linux (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	firmware-hdd-8e8ddc5265-HPS1-6.1.x86_64.rpm	MT003200KWHAD	HPS1 (F)	HPS1	更新
703	Online NVMe SSD Flash Component for Linux (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	firmware-hdd-8e8ddc5265-HPS1-6.1.x86_64.rpm	MT006400KWHAE	HPS1 (F)	HPS1	更新
704	Online NVMe SSD Flash Component for Linux (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	firmware-hdd-6628fce235-EPK75H3Q-2.1.x86_64.rpm	MZPLJ1T6HBJR-000H3	EPK75H3Q (B)	EPK75H3Q	更新
705	Online NVMe SSD Flash Component for Linux (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	firmware-hdd-6628fce235-EPK75H3Q-2.1.x86_64.rpm	MZPLJ3T2HBJR-000H3	EPK75H3Q (B)	EPK75H3Q	更新
706	Online NVMe SSD Flash Component for Linux (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	firmware-hdd-6628fce235-EPK75H3Q-2.1.x86_64.rpm	MZPLJ6T4HALA-000H3	EPK75H3Q (B)	EPK75H3Q	更新
707	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3,	firmware-hdd-e320db791d-MPK75H5Q-3.1.x86_64.rpm	MZXL5800HBHQ-000H3	MPK75H5Q (C)	MPK75H5Q	更新

	MZXL53T2HBL5-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBL5-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv					
708	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBL5-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBL5-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd- e320db791d- MPK75H5Q- 3.1.x86_64.rpm	MZXL51T6HBJR- 000H3	MPK75H5Q (C)	MPK75H5Q	更新
709	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBL5-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBL5-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd- e320db791d- MPK75H5Q- 3.1.x86_64.rpm	MZXL53T2HBL5- 000H3	MPK75H5Q (C)	MPK75H5Q	更新
710	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBL5-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBL5-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd- e320db791d- MPK75H5Q- 3.1.x86_64.rpm	MZXL56T4HALA- 000H3	MPK75H5Q (C)	MPK75H5Q	更新
711	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBL5-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBL5-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd- e320db791d- MPK75H5Q- 3.1.x86_64.rpm	MZXL512THALA- 000H3	MPK75H5Q (C)	MPK75H5Q	更新
712	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBL5-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBL5-000H3,	firmware-hdd- e320db791d- MPK75H5Q- 3.1.x86_64.rpm	MZXL5960HBHQ- 000H3	MPK75H5Q (C)	MPK75H5Q	更新

	MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv					
713	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd-e320db791d-MPK75H5Q-3.1.x86_64.rpm	MZXL51T9HBJR-000H3	MPK75H5Q (C)	MPK75H5Q	更新
714	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd-e320db791d-MPK75H5Q-3.1.x86_64.rpm	MZXL53T8HBLS-000H3	MPK75H5Q (C)	MPK75H5Q	更新
715	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd-e320db791d-MPK75H5Q-3.1.x86_64.rpm	MZXL57T6HALA-000H3	MPK75H5Q (C)	MPK75H5Q	更新
716	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	firmware-hdd-e320db791d-MPK75H5Q-3.1.x86_64.rpm	MZXL515THALA-000H3	MPK75H5Q (C)	MPK75H5Q	更新
717	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK3-2.1.x86_64.rpm	VO000960KXAVL	HPK3 (B)	HPK3	新規追加
718	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR,	firmware-hdd-035a863453-HPK3-2.1.x86_64.rpm	VO001920KXAVP	HPK3 (B)	HPK3	新規追加

	MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives					
719	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd- 035a863453-HPK3- 2.1.x86_64.rpm	VO003840KXAVQ	HPK3 (B)	HPK3	新規追加
720	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd- 035a863453-HPK3- 2.1.x86_64.rpm	VO007680KXAVR	HPK3 (B)	HPK3	新規追加
721	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd- 035a863453-HPK3- 2.1.x86_64.rpm	MO000800KXAVN	HPK3 (B)	HPK3	新規追加
722	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd- 035a863453-HPK3- 2.1.x86_64.rpm	MO001600KXAVT	HPK3 (B)	HPK3	新規追加
723	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd- 035a863453-HPK3- 2.1.x86_64.rpm	MO003200KXAVU	HPK3 (B)	HPK3	新規追加
724	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd- 035a863453-HPK3- 2.1.x86_64.rpm	MO006400KXAVV	HPK3 (B)	HPK3	新規追加
725	Online NVMe SSD Flash Component for Linux (x64) -	firmware-hdd- 1656c1b14a-4ICDHPK1-	VO001000KWJSE	4ICDHPK1 (B)	4ICDHPK1	更新

	VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	2.1.x86_64.rpm				
726	Online NVMe SSD Flash Component for Linux (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	firmware-hdd- 1656c1b14a-4ICDHPK1- 2.1.x86_64.rpm	VO002000KWJSF	4ICDHPK1 (B)	4ICDHPK1	更新
727	Online NVMe SSD Flash Component for Linux (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	firmware-hdd- 1656c1b14a-4ICDHPK1- 2.1.x86_64.rpm	VO004000KWJSH	4ICDHPK1 (B)	4ICDHPK1	更新
728	Online NVMe SSD Flash Component for Linux (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	firmware-hdd- 1656c1b14a-4ICDHPK1- 2.1.x86_64.rpm	VT004000KWJSU	4ICDHPK1 (B)	4ICDHPK1	更新
729	Online NVMe SSD Flash Component for Linux (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	firmware-hdd- 1656c1b14a-4ICDHPK1- 2.1.x86_64.rpm	MO001600KWJSN	4ICDHPK1 (B)	4ICDHPK1	更新
730	Online NVMe SSD Flash Component for Linux (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	firmware-hdd- 1656c1b14a-4ICDHPK1- 2.1.x86_64.rpm	MO003200KWJSQ	4ICDHPK1 (B)	4ICDHPK1	更新
731	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	firmware-hdd- fe9c474847-HPK3- 3.1.x86_64.rpm	VO001920KWVM T	HPK3 (C)	HPK3	更新
732	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	firmware-hdd- fe9c474847-HPK3- 3.1.x86_64.rpm	VO003840KWVM U	HPK3 (C)	HPK3	更新
733	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	firmware-hdd- fe9c474847-HPK3- 3.1.x86_64.rpm	VO007680KWVM V	HPK3 (C)	HPK3	更新
734	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWZQR and VO003840KWZQT Drives	firmware-hdd- 2af7385a1e-HPK5- 4.1.x86_64.rpm	VO001920KWZQR	HPK5 (D)	HPK5	更新
735	Online NVMe SSD Flash	firmware-hdd-	VO003840KWZQT	HPK5 (D)	HPK5	更新

	Component for Linux (x64) - VO001920KWZQR and VO003840KWZQT Drives	2af7385a1e-HPK5-4.1.x86_64.rpm				
736	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	firmware-hdd-92d876cfea-4ICRHPK3-3.1.x86_64.rpm	VO002000KWVVC	4ICRHPK3 (C)	4ICRHPK3	新規追加
737	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	firmware-hdd-92d876cfea-4ICRHPK3-3.1.x86_64.rpm	VO004000KWVUR	4ICRHPK3 (C)	4ICRHPK3	新規追加
738	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	firmware-hdd-92d876cfea-4ICRHPK3-3.1.x86_64.rpm	MO001600KWVUU	4ICRHPK3 (C)	4ICRHPK3	新規追加
739	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	firmware-hdd-92d876cfea-4ICRHPK3-3.1.x86_64.rpm	MO003200KWVUV	4ICRHPK3 (C)	4ICRHPK3	新規追加
740	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	firmware-hdd-92d876cfea-4ICRHPK3-3.1.x86_64.rpm	MO006400KWVVA	4ICRHPK3 (C)	4ICRHPK3	新規追加
741	Online NVMe SSD Flash Component for Linux (x64) - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives	firmware-hdd-9a826ccd8a-HPK4-6.1.x86_64.rpm	VO0400KEFJB	HPK4 (F)	HPK4	更新
742	Online NVMe SSD Flash Component for Linux (x64) - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives	firmware-hdd-9a826ccd8a-HPK4-6.1.x86_64.rpm	VO1200KEFJC	HPK4 (F)	HPK4	更新
743	Online NVMe SSD Flash Component for Linux (x64) - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives	firmware-hdd-9a826ccd8a-HPK4-6.1.x86_64.rpm	VO2000KEFJD	HPK4 (F)	HPK4	更新
744	Online NVMe SSD Flash Component for Linux (x64) - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	firmware-hdd-95a2e5abcb-HPK4-6.1.x86_64.rpm	VS000480KWDUP	HPK4 (F)	HPK4	更新
745	Online NVMe SSD Flash Component for Linux (x64) - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	firmware-hdd-95a2e5abcb-HPK4-6.1.x86_64.rpm	VS000960KWDUQ	HPK4 (F)	HPK4	更新
746	Online NVMe SSD Flash Component for Linux (x64) - VS000480KWDUP, VS000960KWDUQ,	firmware-hdd-95a2e5abcb-HPK4-6.1.x86_64.rpm	MS000400KWDUR	HPK4 (F)	HPK4	更新

	MS000400KWDUR and MS000800KWDUT Drives					
747	Online NVMe SSD Flash Component for Linux (x64) - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	firmware-hdd-95a2e5abcb-HPK4-6.1.x86_64.rpm	MS000800KWDUT	HPK4 (F)	HPK4	更新
748	Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives	firmware-hdd-805abb7e9c-85031G00-1.1.x86_64.rpm	VS003840KWXFQ	85031G00	85031G00	更新
749	Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives	firmware-hdd-805abb7e9c-85031G00-1.1.x86_64.rpm	VS000960KWXFN	85031G00	85031G00	更新
750	Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives	firmware-hdd-805abb7e9c-85031G00-1.1.x86_64.rpm	VS001920KWXFP	85031G00	85031G00	更新
751	Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives	firmware-hdd-805abb7e9c-85031G00-1.1.x86_64.rpm	VS000480KXALB	85031G00	85031G00	更新
752	Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	CP048513.zip	ET000750KWJTF	4ICSHPK4 (B)	4ICSHPK4	新規追加
753	Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	CP048513.zip	EO000375KWJUC	4ICSHPK4 (B)	4ICSHPK4	新規追加
754	Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	CP048513.zip	EO000750KWTXC	4ICSHPK4 (B)	4ICSHPK4	新規追加
755	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP049279.zip	KCD6XVUL800G	GPK3 (B)	GPK3	新規追加
756	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8,	CP049279.zip	KCD6XVUL1T60	GPK3 (B)	GPK3	新規追加



	KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives					
757	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP049279.zip	KCD6XVUL3T20	GPK3 (B)	GPK3	新規追加
758	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP049279.zip	KCD6XVUL6T40	GPK3 (B)	GPK3	新規追加
759	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP049279.zip	KCD6XVUL12T8	GPK3 (B)	GPK3	新規追加
760	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP049279.zip	KCD6XLUL960G	GPK3 (B)	GPK3	新規追加
761	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP049279.zip	KCD6XLUL1T92	GPK3 (B)	GPK3	新規追加
762	Online NVMe SSD Flash	CP049279.zip	KCD6XLUL3T84	GPK3 (B)	GPK3	新規追加

	Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives					
763	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP049279.zip	KCD6XLUL7T68	GPK3 (B)	GPK3	新規追加
764	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP049279.zip	KCD6XLUL15T3	GPK3 (B)	GPK3	新規追加
765	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP049284.zip	KCM6XVUL800G	GPK3 (B)	GPK3	新規追加
766	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP049284.zip	KCM6XVUL1T60	GPK3 (B)	GPK3	新規追加
767	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP049284.zip	KCM6XVUL3T20	GPK3 (B)	GPK3	新規追加
768	Online NVMe SSD Flash	CP049284.zip	KCM6XVUL6T40	GPK3 (B)	GPK3	新規追加

	Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives					
769	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP049284.zip	KCM6XRUL960G	GPK3 (B)	GPK3	新規追加
770	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP049284.zip	KCM6XRUL1T92	GPK3 (B)	GPK3	新規追加
771	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP049284.zip	KCM6XRUL3T84	GPK3 (B)	GPK3	新規追加
772	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP049284.zip	KCM6XRUL7T68	GPK3 (B)	GPK3	新規追加
773	Online NVMe SSD Flash Component for VMware ESXi - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	CP045718.zip	LO0400KEFJQ	HPK4 (E)	HPK4	更新
774	Online NVMe SSD Flash Component for VMware ESXi - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	CP045718.zip	LO0800KEFJR	HPK4 (E)	HPK4	更新
775	Online NVMe SSD Flash Component for VMware ESXi - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB,	CP045718.zip	LO1600KEFJT	HPK4 (E)	HPK4	更新

	and LT2000KEXVC Drives					
776	Online NVMe SSD Flash Component for VMware ESXi - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	CP045718.zip	LO2000KEFJU	HPK4 (E)	HPK4	更新
777	Online NVMe SSD Flash Component for VMware ESXi - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	CP045718.zip	LT0800KEXVA	HPK4 (E)	HPK4	更新
778	Online NVMe SSD Flash Component for VMware ESXi - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	CP045718.zip	LT1600KEXVB	HPK4 (E)	HPK4	更新
779	Online NVMe SSD Flash Component for VMware ESXi - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	CP045718.zip	LT2000KEXVC	HPK4 (E)	HPK4	更新
780	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP048486.zip	MK000400KWDUK	HPK4 (G)	HPK4	更新
781	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP048486.zip	VK000480KWDUE	HPK4 (G)	HPK4	更新
782	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP048486.zip	MK000800KWDUL	HPK4 (G)	HPK4	更新
783	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP048486.zip	VK000960KWDUF	HPK4 (G)	HPK4	更新
784	Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	CP048486.zip	MK001600KWDUN	HPK4 (G)	HPK4	更新
785	Online NVMe SSD Flash	CP048486.zip	VK001920KWDUH	HPK4 (G)	HPK4	更新

	Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives					
786	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP048467.zip	MK000800KWWF E	HPK3 (C)	HPK3	更新
787	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP048467.zip	MK001600KWWF F	HPK3 (C)	HPK3	更新
788	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP048467.zip	MK003200KWWF H	HPK3 (C)	HPK3	更新
789	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP048467.zip	MK006400KWWF K	HPK3 (C)	HPK3	更新
790	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP048467.zip	VK000960KWWFL	HPK3 (C)	HPK3	更新
791	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and	CP048467.zip	VK001920KWWF N	HPK3 (C)	HPK3	更新

	VK007680KWWFQ Drives					
792	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP048467.zip	VK003840KWWFP	HPK3 (C)	HPK3	更新
793	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP048467.zip	VK007680KWWFQ	HPK3 (C)	HPK3	更新
794	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP048478.zip	MO001600KVVNB	HPK3 (B)	HPK3	更新
795	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP048478.zip	MO003200KVVNC	HPK3 (B)	HPK3	更新
796	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP048478.zip	MO006400KVVND	HPK3 (B)	HPK3	更新
797	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP048478.zip	MT001600KWSTB	HPK3 (B)	HPK3	更新
798	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP048478.zip	MT003200KWSTC	HPK3 (B)	HPK3	更新
799	Online NVMe SSD Flash Component for VMware ESXi - MO001600KVVNB, MO003200KVVNC, MO006400KVVND,	CP048478.zip	MT006400KWSTD	HPK3 (B)	HPK3	更新

	MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives					
800	Online NVMe SSD Flash Component for VMware ESXi - MO001600KWZQP and MO003200KWZQQ Drives	CP048472.zip	MO001600KWZQ P	HPK5 (C)	HPK5	更新
801	Online NVMe SSD Flash Component for VMware ESXi - MO001600KWZQP and MO003200KWZQQ Drives	CP048472.zip	MO003200KWZQ Q	HPK5 (C)	HPK5	更新
802	Online NVMe SSD Flash Component for VMware ESXi - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	CP048489.zip	MO0400KEFHN	HPK4 (E)	HPK4	更新
803	Online NVMe SSD Flash Component for VMware ESXi - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	CP048489.zip	MO0800KEFHP	HPK4 (E)	HPK4	更新
804	Online NVMe SSD Flash Component for VMware ESXi - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	CP048489.zip	MO1600KEFHQ	HPK4 (E)	HPK4	更新
805	Online NVMe SSD Flash Component for VMware ESXi - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	CP048489.zip	MO2000KEFHR	HPK4 (E)	HPK4	更新
806	Online NVMe SSD Flash Component for VMware ESXi - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	CP048489.zip	MT0800KEXUU	HPK4 (E)	HPK4	更新
807	Online NVMe SSD Flash Component for VMware ESXi - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	CP048489.zip	MT1600KEXUV	HPK4 (E)	HPK4	更新
808	Online NVMe SSD Flash Component for VMware ESXi - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	CP048488.zip	MT001600KWH A C	HPS1 (F)	HPS1	更新
809	Online NVMe SSD Flash Component for VMware ESXi	CP048488.zip	MT003200KWH A D	HPS1 (F)	HPS1	更新

	- MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives					
810	Online NVMe SSD Flash Component for VMware ESXi - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	CP048488.zip	MT006400KWHA E	HPS1 (F)	HPS1	更新
811	Online NVMe SSD Flash Component for VMware ESXi - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	CP048458.zip	MZPLJ1T6HBJR- 000H3	EPK75H3Q (B)	EPK75H3Q	更新
812	Online NVMe SSD Flash Component for VMware ESXi - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	CP048458.zip	MZPLJ3T2HBJR- 000H3	EPK75H3Q (B)	EPK75H3Q	更新
813	Online NVMe SSD Flash Component for VMware ESXi - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	CP048458.zip	MZPLJ6T4HALA- 000H3	EPK75H3Q (B)	EPK75H3Q	更新
814	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	CP048456.zip	MZXL5800HBHQ- 000H3	MPK75H5Q (B)	MPK75H5Q	更新
815	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	CP048456.zip	MZXL51T6HBJR- 000H3	MPK75H5Q (B)	MPK75H5Q	更新
816	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	CP048456.zip	MZXL53T2HBLS- 000H3	MPK75H5Q (B)	MPK75H5Q	更新
817	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3,	CP048456.zip	MZXL56T4HALA- 000H3	MPK75H5Q (B)	MPK75H5Q	更新



	MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv					
818	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	CP048456.zip	MZXL5960HBHQ- 000H3	MPK75H5Q (B)	MPK75H5Q	更新
819	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	CP048456.zip	MZXL51T9HBJR- 000H3	MPK75H5Q (B)	MPK75H5Q	更新
820	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	CP048456.zip	MZXL53T8HBLS- 000H3	MPK75H5Q (B)	MPK75H5Q	更新
821	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	CP048456.zip	MZXL57T6HALA- 000H3	MPK75H5Q (B)	MPK75H5Q	更新
822	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv	CP048456.zip	MZXL515THALA- 000H3	MPK75H5Q (B)	MPK75H5Q	更新
823	Online NVMe SSD Flash	CP048456.zip	MZXL512THALA-	MPK75H5Q	MPK75H5Q	更新

	Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBL5-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBL5-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv		000H3	(B)		
824	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP049302.zip	VO000960KXAVL	HPK3 (B)	HPK3	新規追加
825	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP049302.zip	VO001920KXAVP	HPK3 (B)	HPK3	新規追加
826	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP049302.zip	VO003840KXAVQ	HPK3 (B)	HPK3	新規追加
827	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP049302.zip	VO007680KXAVR	HPK3 (B)	HPK3	新規追加
828	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP049302.zip	MO000800KXAVN	HPK3 (B)	HPK3	新規追加
829	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ,	CP049302.zip	MO001600KXAVT	HPK3 (B)	HPK3	新規追加

	VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives					
830	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP049302.zip	MO003200KXAVU	HPK3 (B)	HPK3	新規追加
831	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP049302.zip	MO006400KXAVV	HPK3 (B)	HPK3	新規追加
832	Online NVMe SSD Flash Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	CP048471.zip	VO001000KWJSE	4ICDHPK1 (B)	4ICDHPK1	更新
833	Online NVMe SSD Flash Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	CP048471.zip	VO002000KWJSF	4ICDHPK1 (B)	4ICDHPK1	更新
834	Online NVMe SSD Flash Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	CP048471.zip	VO004000KWJSH	4ICDHPK1 (B)	4ICDHPK1	更新
835	Online NVMe SSD Flash Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	CP048471.zip	VT004000KWJSU	4ICDHPK1 (B)	4ICDHPK1	更新
836	Online NVMe SSD Flash Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	CP048471.zip	MO001600KWJSN	4ICDHPK1 (B)	4ICDHPK1	更新
837	Online NVMe SSD Flash	CP048471.zip	MO003200KWJSQ	4ICDHPK1	4ICDHPK1	更新

	Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives			(B)		
838	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	CP048469.zip	VO001920KWVM T	HPK3 (B)	HPK3	更新
839	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	CP048469.zip	VO003840KWVM U	HPK3 (B)	HPK3	更新
840	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	CP048469.zip	VO007680KWVM V	HPK3 (B)	HPK3	更新
841	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR and VO003840KWZQT Drives	CP048473.zip	VO001920KWZQR	HPK5 (C)	HPK5	更新
842	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR and VO003840KWZQT Drives	CP048473.zip	VO003840KWZQT	HPK5 (C)	HPK5	更新
843	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP048511.zip	VO002000KWVVC	4ICRHPK3 (B)	4ICRHPK3	新規追加
844	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP048511.zip	VO004000KWVUR	4ICRHPK3 (B)	4ICRHPK3	新規追加
845	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP048511.zip	MO001600KWVU U	4ICRHPK3 (B)	4ICRHPK3	新規追加
846	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP048511.zip	MO003200KWVU V	4ICRHPK3 (B)	4ICRHPK3	新規追加
847	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP048511.zip	MO006400KWVV A	4ICRHPK3 (B)	4ICRHPK3	新規追加
848	Online NVMe SSD Flash	CP045719.zip	VO0400KEFJB	HPK4 (E)	HPK4	更新

	Component for VMware ESXi - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives					
849	Online NVMe SSD Flash Component for VMware ESXi - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives	CP045719.zip	VO1200KEFJC	HPK4 (E)	HPK4	更新
850	Online NVMe SSD Flash Component for VMware ESXi - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives	CP045719.zip	VO2000KEFJD	HPK4 (E)	HPK4	更新
851	Online NVMe SSD Flash Component for VMware ESXi - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	CP048484.zip	VS000480KWDUP	HPK4 (E)	HPK4	更新
852	Online NVMe SSD Flash Component for VMware ESXi - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	CP048484.zip	VS000960KWDUQ	HPK4 (E)	HPK4	更新
853	Online NVMe SSD Flash Component for VMware ESXi - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	CP048484.zip	MS000400KWDUR	HPK4 (E)	HPK4	更新
854	Online NVMe SSD Flash Component for VMware ESXi - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	CP048484.zip	MS000800KWDUT	HPK4 (E)	HPK4	更新
855	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWXFP and VS003840KWXFQ Drives	CP048316.zip	VS003840KWXFQ	85031G00	85031G00	更新
856	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWXFP and VS003840KWXFQ Drives	CP048316.zip	VS001920KWXFP	85031G00	85031G00	更新
857	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWXFP and VS003840KWXFQ Drives	CP048316.zip	VS000960KWXFN	85031G00	85031G00	更新
858	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWXFP and VS003840KWXFQ Drives	CP048316.zip	VS000480KXALB	85031G00	85031G00	更新
859	Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	cp048692.exe	ET000750KWJTF	4ICSHPK4 (B)	4ICSHPK4	新規追加
860	Online NVMe SSD Flash Component for Windows	cp048692.exe	EO000375KWJUC	4ICSHPK4 (B)	4ICSHPK4	新規追加

	(x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives					
861	Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	cp048692.exe	EO000750KWTXC	4ICSHPK4 (B)	4ICSHPK4	新規追加
862	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp049282.exe	KCD6XVUL800G	GPK3 (B)	GPK3	新規追加
863	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp049282.exe	KCD6XVUL1T60	GPK3 (B)	GPK3	新規追加
864	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp049282.exe	KCD6XVUL3T20	GPK3 (B)	GPK3	新規追加
865	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp049282.exe	KCD6XVUL6T40	GPK3 (B)	GPK3	新規追加
866	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84,	cp049282.exe	KCD6XVUL12T8	GPK3 (B)	GPK3	新規追加

	KCD6XLUL7T68 and KCD6XLUL15T3 Drives					
867	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp049282.exe	KCD6XLUL960G	GPK3 (B)	GPK3	新規追加
868	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp049282.exe	KCD6XLUL1T92	GPK3 (B)	GPK3	新規追加
869	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp049282.exe	KCD6XLUL3T84	GPK3 (B)	GPK3	新規追加
870	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp049282.exe	KCD6XLUL7T68	GPK3 (B)	GPK3	新規追加
871	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp049282.exe	KCD6XLUL15T3	GPK3 (B)	GPK3	新規追加
872	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60,	cp049285.exe	KCM6XVUL800G	GPK3 (B)	GPK3	新規追加

	KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives					
873	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp049285.exe	KCM6XVUL1T60	GPK3 (B)	GPK3	新規追加
874	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp049285.exe	KCM6XVUL3T20	GPK3 (B)	GPK3	新規追加
875	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp049285.exe	KCM6XVUL6T40	GPK3 (B)	GPK3	新規追加
876	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp049285.exe	KCM6XRUL960G	GPK3 (B)	GPK3	新規追加
877	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp049285.exe	KCM6XRUL1T92	GPK3 (B)	GPK3	新規追加
878	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp049285.exe	KCM6XRUL3T84	GPK3 (B)	GPK3	新規追加



879	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp049285.exe	KCM6XRUL7T68	GPK3 (B)	GPK3	新規追加
880	Online NVMe SSD Flash Component for Windows (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	cp048428.exe	LO0400KEFJQ	HPK4 (D)	HPK4	更新
881	Online NVMe SSD Flash Component for Windows (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	cp048428.exe	LO0800KEFJR	HPK4 (D)	HPK4	更新
882	Online NVMe SSD Flash Component for Windows (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	cp048428.exe	LO1600KEFJT	HPK4 (D)	HPK4	更新
883	Online NVMe SSD Flash Component for Windows (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	cp048428.exe	LO2000KEFJU	HPK4 (D)	HPK4	更新
884	Online NVMe SSD Flash Component for Windows (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	cp048428.exe	LT0800KEXVA	HPK4 (D)	HPK4	更新
885	Online NVMe SSD Flash Component for Windows (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	cp048428.exe	LT1600KEXVB	HPK4 (D)	HPK4	更新
886	Online NVMe SSD Flash Component for Windows (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives	cp048428.exe	LT2000KEXVC	HPK4 (D)	HPK4	更新
887	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and	cp048479.exe	VK001920KWDUH	HPK4 (D)	HPK4	更新

	VK001920KWDUH Drives					
888	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp048479.exe	MK001600KWDUN	HPK4 (D)	HPK4	更新
889	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp048479.exe	VK000960KWDUF	HPK4 (D)	HPK4	更新
890	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp048479.exe	MK000800KWDUL	HPK4 (D)	HPK4	更新
891	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp048479.exe	VK000480KWDUE	HPK4 (D)	HPK4	更新
892	Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives	cp048479.exe	MK000400KWDUK	HPK4 (D)	HPK4	更新
893	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp048463.exe	MK000800KWWFE	HPK3 (C)	HPK3	更新
894	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp048463.exe	MK001600KWWFF	HPK3 (C)	HPK3	更新
895	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH,	cp048463.exe	MK003200KWWFH	HPK3 (C)	HPK3	更新

	MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives					
896	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp048463.exe	MK006400KWWF K	HPK3 (C)	HPK3	更新
897	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp048463.exe	VK000960KWWFL	HPK3 (C)	HPK3	更新
898	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp048463.exe	VK001920KWWF N	HPK3 (C)	HPK3	更新
899	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp048463.exe	VK003840KWWFP	HPK3 (C)	HPK3	更新
900	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp048463.exe	VK007680KWWF Q	HPK3 (C)	HPK3	更新
901	Online NVMe SSD Flash Component for Windows (x64) - MO001600KVVNB, MO003200KVVNC, MO006400KVVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp048684.exe	MO001600KVVN B	HPK3 (B)	HPK3	更新
902	Online NVMe SSD Flash Component for Windows (x64) - MO001600KVVNB,	cp048684.exe	MO003200KVVN C	HPK3 (B)	HPK3	更新

	MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives					
903	Online NVMe SSD Flash Component for Windows (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp048684.exe	MO006400KWVND	HPK3 (B)	HPK3	更新
904	Online NVMe SSD Flash Component for Windows (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp048684.exe	MT001600KWSTB	HPK3 (B)	HPK3	更新
905	Online NVMe SSD Flash Component for Windows (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp048684.exe	MT003200KWSTC	HPK3 (B)	HPK3	更新
906	Online NVMe SSD Flash Component for Windows (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp048684.exe	MT006400KWSTD	HPK3 (B)	HPK3	更新
907	Online NVMe SSD Flash Component for Windows (x64) - MO001600KWZQP and MO003200KWZQQ Drives	cp048685.exe	MO001600KWZQP	HPK5 (C)	HPK5	更新
908	Online NVMe SSD Flash Component for Windows (x64) - MO001600KWZQP and MO003200KWZQQ Drives	cp048685.exe	MO003200KWZQQ	HPK5 (C)	HPK5	更新
909	Online NVMe SSD Flash Component for Windows (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	cp048475.exe	MO0400KEFHN	HPK4 (D)	HPK4	更新
910	Online NVMe SSD Flash Component for Windows (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	cp048475.exe	MO0800KEFHP	HPK4 (D)	HPK4	更新
911	Online NVMe SSD Flash Component for Windows (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ,	cp048475.exe	MO1600KEFHQ	HPK4 (D)	HPK4	更新

	MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives					
912	Online NVMe SSD Flash Component for Windows (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	cp048475.exe	MO2000KEFHR	HPK4 (D)	HPK4	更新
913	Online NVMe SSD Flash Component for Windows (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	cp048475.exe	MT0800KEXUU	HPK4 (D)	HPK4	更新
914	Online NVMe SSD Flash Component for Windows (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives	cp048475.exe	MT1600KEXUV	HPK4 (D)	HPK4	更新
915	Online NVMe SSD Flash Component for Windows (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	cp048480.exe	MT001600KWHAC	HPS1 (D)	HPS1	更新
916	Online NVMe SSD Flash Component for Windows (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	cp048480.exe	MT003200KWHAD	HPS1 (D)	HPS1	更新
917	Online NVMe SSD Flash Component for Windows (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives	cp048480.exe	MT006400KWHAE	HPS1 (D)	HPS1	更新
918	Online NVMe SSD Flash Component for Windows (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	cp048301.exe	MZPLJ1T6HBJR-000H3	EPK75H3Q (B)	EPK75H3Q	更新
919	Online NVMe SSD Flash Component for Windows (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	cp048301.exe	MZPLJ3T2HBJR-000H3	EPK75H3Q (B)	EPK75H3Q	更新
920	Online NVMe SSD Flash Component for Windows (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	cp048301.exe	MZPLJ6T4HALA-000H3	EPK75H3Q (B)	EPK75H3Q	更新
921	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-	cp048464.exe	MZXL5800HBHQ-000H3	MPK75H5Q (B)	MPK75H5Q	更新

	000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive					
922	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp048464.exe	MZXL51T6HBJR-000H3	MPK75H5Q (B)	MPK75H5Q	更新
923	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp048464.exe	MZXL53T2HBLS-000H3	MPK75H5Q (B)	MPK75H5Q	更新
924	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp048464.exe	MZXL56T4HALA-000H3	MPK75H5Q (B)	MPK75H5Q	更新
925	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp048464.exe	MZXL512THALA-000H3	MPK75H5Q (B)	MPK75H5Q	更新
926	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-	cp048464.exe	MZXL5960HBHQ-000H3	MPK75H5Q (B)	MPK75H5Q	更新

	000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive					
927	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp048464.exe	MZXL51T9HBJR-000H3	MPK75H5Q (B)	MPK75H5Q	更新
928	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp048464.exe	MZXL53T8HBLS-000H3	MPK75H5Q (B)	MPK75H5Q	更新
929	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp048464.exe	MZXL57T6HALA-000H3	MPK75H5Q (B)	MPK75H5Q	更新
930	Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-0 Drive	cp048464.exe	MZXL515THALA-000H3	MPK75H5Q (B)	MPK75H5Q	更新
931	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp049303.exe	VO000960KXAVL	HPK3 (B)	HPK3	新規追加
932	Online NVMe SSD Flash	cp049303.exe	VO001920KXAVP	HPK3 (B)	HPK3	新規追加

	Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives					
933	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp049303.exe	VO003840KXAVQ	HPK3 (B)	HPK3	新規追加
934	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp049303.exe	VO007680KXAVR	HPK3 (B)	HPK3	新規追加
935	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp049303.exe	MO000800KXAVN	HPK3 (B)	HPK3	新規追加
936	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp049303.exe	MO001600KXAVT	HPK3 (B)	HPK3	新規追加
937	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp049303.exe	MO003200KXAVU	HPK3 (B)	HPK3	新規追加
938	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN,	cp049303.exe	MO006400KXAVV	HPK3 (B)	HPK3	新規追加



	MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives					
939	Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	cp048438.exe	VO001000KWJSE	4ICDHPK1 (B)	4ICDHPK1	更新
940	Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	cp048438.exe	VO002000KWJSF	4ICDHPK1 (B)	4ICDHPK1	更新
941	Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	cp048438.exe	VO004000KWJSH	4ICDHPK1 (B)	4ICDHPK1	更新
942	Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	cp048438.exe	VT004000KWJSU	4ICDHPK1 (B)	4ICDHPK1	更新
943	Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	cp048438.exe	MO001600KWJSN	4ICDHPK1 (B)	4ICDHPK1	更新
944	Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives	cp048438.exe	MO003200KWJSQ	4ICDHPK1 (B)	4ICDHPK1	更新
945	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	cp048462.exe	VO001920KWVMT	HPK3 (B)	HPK3	更新
946	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	cp048462.exe	VO003840KWVMU	HPK3 (B)	HPK3	更新
947	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	cp048462.exe	VO007680KWVMV	HPK3 (B)	HPK3	更新

948	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR and VO003840KWZQT Drives	cp048687.exe	VO001920KWZQR	HPK5 (C)	HPK5	更新
949	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR and VO003840KWZQT Drives	cp048687.exe	VO003840KWZQT	HPK5 (C)	HPK5	更新
950	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	cp048693.exe	VO002000KWVVC	4ICRHPK3 (B)	4ICRHPK3	新規追加
951	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	cp048693.exe	VO004000KVVUR	4ICRHPK3 (B)	4ICRHPK3	新規追加
952	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	cp048693.exe	MO001600KVVUU	4ICRHPK3 (B)	4ICRHPK3	新規追加
953	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	cp048693.exe	MO003200KVVUV	4ICRHPK3 (B)	4ICRHPK3	新規追加
954	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KVVUR, MO001600KVVUU, MO003200KVVUV and MO006400KVVVA Drives	cp048693.exe	MO006400KVVVA	4ICRHPK3 (B)	4ICRHPK3	新規追加
955	Online NVMe SSD Flash Component for Windows (x64) - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives	cp048476.exe	VO0400KEFJB	HPK4 (D)	HPK4	更新
956	Online NVMe SSD Flash Component for Windows (x64) - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives	cp048476.exe	VO1200KEFJC	HPK4 (D)	HPK4	更新
957	Online NVMe SSD Flash Component for Windows (x64) - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives	cp048476.exe	VO2000KEFJD	HPK4 (D)	HPK4	更新
958	Online NVMe SSD Flash Component for Windows (x64) - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	cp048487.exe	VS000480KWDUP	HPK4 (D)	HPK4	更新
959	Online NVMe SSD Flash Component for Windows	cp048487.exe	VS000960KWDUQ	HPK4 (D)	HPK4	更新

	(x64) - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives					
960	Online NVMe SSD Flash Component for Windows (x64) - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	cp048487.exe	MS000400KWDUR	HPK4 (D)	HPK4	更新
961	Online NVMe SSD Flash Component for Windows (x64) - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives	cp048487.exe	MS000800KWDUT	HPK4 (D)	HPK4	更新
962	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp049054.exe	VS000480KXALB	85031G00 (B)	85031G00	更新
963	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp049054.exe	VS000960KWXFN	85031G00 (B)	85031G00	更新
964	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp049054.exe	VS001920KWXFP	85031G00 (B)	85031G00	更新
965	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp049054.exe	VS003840KWXFQ	85031G00 (B)	85031G00	更新

#### 6.2.14 Firmware - Power Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
966	Online Flash for Windows x64 - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	cp049374.exe	Innovation Engine (IE) Firmware	0.2.2.3	0.2.2.3	更新
967	Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors	firmware-powerpic-1.0.8-1.1.x86_64.rpm	Gen10 Plus Power Management Controller Firmware	1.0.8	1.0.8	更新
968	Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100	cp049686.exe	Gen10 Plus Power Management Controller Firmware	1.0.8	1.0.8	更新

	series Processors					
969	Online ROM Flash for Windows x64 - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	cp047531.exe	Innovation Engine (IE) Firmware	1.0.0.20	1.0.0.20	新規追加
970	ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors	PICFW-1.0.8-1.fwpkg	Gen10 Plus Power Management Controller Firmware	1.0.8	1.0.8	更新

## 6.2.15 Firmware - SAS Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
971	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWBHR Drive	firmware-hdd-2e4c61fc63-HPD5-2.1.x86_64.rpm	EG000300JWBHR	HPD5 (B)	HPD5	更新
972	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWFVB Drive	firmware-hdd-c5cd837c29-HPD3-2.1.x86_64.rpm	EG000300JWFVB	HPD3 (B)	HPD3	更新
973	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	firmware-hdd-24fe569b72-HPD4-2.1.x86_64.rpm	EG000300JWSJP	HPD4 (B)	HPD4	更新
974	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	firmware-hdd-24fe569b72-HPD4-2.1.x86_64.rpm	EG000600JWJNH	HPD4 (B)	HPD4	更新
975	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	firmware-hdd-24fe569b72-HPD4-2.1.x86_64.rpm	EG001200JWJNK	HPD4 (B)	HPD4	更新
976	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWEBH and EG000300JWEBF Drives	firmware-hdd-aa9e289524-HPD5-2.1.x86_64.rpm	EG000600JWEBH	HPD5 (B)	HPD5	新規追加
977	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWEBH and EG000300JWEBF Drives	firmware-hdd-aa9e289524-HPD5-2.1.x86_64.rpm	EG000300JWEBF	HPD5 (B)	HPD5	新規追加
978	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWFUV and EG001200JWFVA Drives	firmware-hdd-f0c91d2fe3-HPD4-2.1.x86_64.rpm	EG000600JWFUV	HPD4 (B)	HPD4	更新
979	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWFUV and EG001200JWFVA Drives	firmware-hdd-f0c91d2fe3-HPD4-2.1.x86_64.rpm	EG001200JWFVA	HPD4 (B)	HPD4	更新
980	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP and EG001200JWJNQ Drives	firmware-hdd-bdfb8e99d9-HPD4-2.1.x86_64.rpm	EG000600JWJNP	HPD4 (B)	HPD4	更新
981	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP and EG001200JWJNQ Drives	firmware-hdd-bdfb8e99d9-HPD4-2.1.x86_64.rpm	EG001200JWJNQ	HPD4 (B)	HPD4	更新

982	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWFVC Drive	firmware-hdd-693b9a2853-HPD4-2.1.x86_64.rpm	EG001800JWFVC	HPD4 (B)	HPD4	更新
983	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNL and EG002400JWJNN Drives	firmware-hdd-852266afdf-HPD4-2.1.x86_64.rpm	EG001800JWJNL	HPD4 (B)	HPD4	更新
984	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNL and EG002400JWJNN Drives	firmware-hdd-852266afdf-HPD4-2.1.x86_64.rpm	EG002400JWJNN	HPD4 (B)	HPD4	更新
985	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR and EG002400JWJNT Drives	firmware-hdd-b1c9eaf74c-HPD6-2.1.x86_64.rpm	EG001800JWJNR	HPD6 (B)	HPD6	更新
986	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR and EG002400JWJNT Drives	firmware-hdd-b1c9eaf74c-HPD6-2.1.x86_64.rpm	EG002400JWJNT	HPD6 (B)	HPD6	更新
987	Online HDD/SSD Flash Component for Linux (x64) - EG0300FCSPH, EG0450FCSPK, EG0600FCSP and EG0900FCSPN Drives	firmware-hdd-7c1a1734f9-HPD2-8.1.x86_64.rpm	EG0300FCSPH	HPD2 (H)	HPD2	更新
988	Online HDD/SSD Flash Component for Linux (x64) - EG0300FCSPH, EG0450FCSPK, EG0600FCSP and EG0900FCSPN Drives	firmware-hdd-7c1a1734f9-HPD2-8.1.x86_64.rpm	EG0450FCSPK	HPD2 (H)	HPD2	更新
989	Online HDD/SSD Flash Component for Linux (x64) - EG0300FCSPH, EG0450FCSPK, EG0600FCSP and EG0900FCSPN Drives	firmware-hdd-7c1a1734f9-HPD2-8.1.x86_64.rpm	EG0600FCSP	HPD2 (H)	HPD2	更新
990	Online HDD/SSD Flash Component for Linux (x64) - EG0300FCSPH, EG0450FCSPK, EG0600FCSP and EG0900FCSPN Drives	firmware-hdd-7c1a1734f9-HPD2-8.1.x86_64.rpm	EG0900FCSPN	HPD2 (H)	HPD2	更新
991	Online HDD/SSD Flash Component for Linux (x64) - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB and EG1200JEHMC Drives	firmware-hdd-31f91b8622-HPD5-9.1.x86_64.rpm	EG0300JEHLV	HPD5 (I)	HPD5	更新
992	Online HDD/SSD Flash Component for Linux (x64) - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB and EG1200JEHMC Drives	firmware-hdd-31f91b8622-HPD5-9.1.x86_64.rpm	EG0600JEHMA	HPD5 (I)	HPD5	更新
993	Online HDD/SSD Flash Component for Linux (x64) - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB and EG1200JEHMC Drives	firmware-hdd-31f91b8622-HPD5-9.1.x86_64.rpm	EG0900JEHMB	HPD5 (I)	HPD5	更新
994	Online HDD/SSD Flash Component for Linux (x64) - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB and EG1200JEHMC Drives	firmware-hdd-31f91b8622-HPD5-9.1.x86_64.rpm	EG1200JEHMC	HPD5 (I)	HPD5	更新
995	Online HDD/SSD Flash Component for Linux (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	firmware-hdd-ac3fda26eb-HPD6-9.1.x86_64.rpm	EG0600JEMCV	HPD6 (I)	HPD6	更新
996	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd-ac3fda26eb-HPD6-	EG1200JEMDA	HPD6 (I)	HPD6	更新

	EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	9.1.x86_64.rpm				
997	Online HDD/SSD Flash Component for Linux (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	firmware-hdd-ac3fda26eb-HPD6-9.1.x86_64.rpm	EG0300JFCKA	HPD6 (I)	HPD6	更新
998	Online HDD/SSD Flash Component for Linux (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	firmware-hdd-ac3fda26eb-HPD6-9.1.x86_64.rpm	EG0900JFCKB	HPD6 (I)	HPD6	更新
999	Online HDD/SSD Flash Component for Linux (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	firmware-hdd-7505dfb5ae-HPD8-2.1.x86_64.rpm	EG0600JETKA	HPD8 (B)	HPD8	更新
1000	Online HDD/SSD Flash Component for Linux (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	firmware-hdd-7505dfb5ae-HPD8-2.1.x86_64.rpm	EG0900JETKB	HPD8 (B)	HPD8	更新
1001	Online HDD/SSD Flash Component for Linux (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	firmware-hdd-7505dfb5ae-HPD8-2.1.x86_64.rpm	EG1200JETKC	HPD8 (B)	HPD8	更新
1002	Online HDD/SSD Flash Component for Linux (x64) - EG1800JEHMD Drive	firmware-hdd-8a2c06af48-HPD6-9.1.x86_64.rpm	EG1800JEHMD	HPD6 (I)	HPD6	更新
1003	Online HDD/SSD Flash Component for Linux (x64) - EG1800JEMDB Drive	firmware-hdd-0a38b25661-HPD5-8.1.x86_64.rpm	EG1800JEMDB	HPD5 (H)	HPD5	更新
1004	Online HDD/SSD Flash Component for Linux (x64) - EG1800JFHMH Drive	firmware-hdd-7fc5497116-HPD8-2.1.x86_64.rpm	EG1800JFHMH	HPD8 (B)	HPD8	更新
1005	Online HDD/SSD Flash Component for Linux (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	firmware-hdd-3d97759111-HPD7-2.1.x86_64.rpm	EH000900JWCPN	HPD7 (B)	HPD7	更新
1006	Online HDD/SSD Flash Component for Linux (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	firmware-hdd-3d97759111-HPD7-2.1.x86_64.rpm	EH000600JWCPL	HPD7 (B)	HPD7	更新
1007	Online HDD/SSD Flash Component for Linux (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	firmware-hdd-3d97759111-HPD7-2.1.x86_64.rpm	EH000300JWCPK	HPD7 (B)	HPD7	更新
1008	Online HDD/SSD Flash Component for Linux (x64) - EH000600JWCPF and EH000900JWCPH Drives	firmware-hdd-a05f29cef3-HPD9-2.1.x86_64.rpm	EH000900JWCPH	HPD9 (B)	HPD9	更新
1009	Online HDD/SSD Flash Component for Linux (x64) - EH000600JWCPF and EH000900JWCPH Drives	firmware-hdd-a05f29cef3-HPD9-2.1.x86_64.rpm	EH000600JWCPF	HPD9 (B)	HPD9	更新
1010	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPK and EH000600JWHPH Drives	firmware-hdd-c7df7ceedb-HPD7-2.1.x86_64.rpm	EH000900JWHPK	HPD7 (B)	HPD7	更新
1011	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPK and EH000600JWHPH Drives	firmware-hdd-c7df7ceedb-HPD7-2.1.x86_64.rpm	EH000600JWHPH	HPD7 (B)	HPD7	更新
1012	Online HDD/SSD Flash	firmware-hdd-	EH000900JWHPP	HPD7 (B)	HPD7	更新

	Component for Linux (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	8d68452816-HPD7-2.1.x86_64.rpm				
1013	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	firmware-hdd-8d68452816-HPD7-2.1.x86_64.rpm	EH000600JWHPN	HPD7 (B)	HPD7	更新
1014	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	firmware-hdd-8d68452816-HPD7-2.1.x86_64.rpm	EH000300JWHPL	HPD7 (B)	HPD7	更新
1015	Online HDD/SSD Flash Component for Linux (x64) - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives	firmware-hdd-1cbab97ff0-HPD5-8.1.x86_64.rpm	EH0300JDXBA	HPD5 (H)	HPD5	更新
1016	Online HDD/SSD Flash Component for Linux (x64) - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives	firmware-hdd-1cbab97ff0-HPD5-8.1.x86_64.rpm	EH0450JDXBB	HPD5 (H)	HPD5	更新
1017	Online HDD/SSD Flash Component for Linux (x64) - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives	firmware-hdd-1cbab97ff0-HPD5-8.1.x86_64.rpm	EH0600JDXBC	HPD5 (H)	HPD5	更新
1018	Online HDD/SSD Flash Component for Linux (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	firmware-hdd-b9340d29be-HPD6-9.1.x86_64.rpm	EH0300JDYTH	HPD6 (I)	HPD6	更新
1019	Online HDD/SSD Flash Component for Linux (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	firmware-hdd-b9340d29be-HPD6-9.1.x86_64.rpm	EH0450JDYTK	HPD6 (I)	HPD6	更新
1020	Online HDD/SSD Flash Component for Linux (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	firmware-hdd-b9340d29be-HPD6-9.1.x86_64.rpm	EH0600JDYTL	HPD6 (I)	HPD6	更新
1021	Online HDD/SSD Flash Component for Linux (x64) - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives	firmware-hdd-8c4a212ff9-HPD4-9.1.x86_64.rpm	EH0300JEDHC	HPD4 (I)	HPD4	更新
1022	Online HDD/SSD Flash Component for Linux (x64) - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives	firmware-hdd-8c4a212ff9-HPD4-9.1.x86_64.rpm	EH0450JEDHD	HPD4 (I)	HPD4	更新
1023	Online HDD/SSD Flash Component for Linux (x64) - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives	firmware-hdd-8c4a212ff9-HPD4-9.1.x86_64.rpm	EH0600JEDHE	HPD4 (I)	HPD4	更新
1024	Online HDD/SSD Flash Component for Linux (x64) - EH0600JDYTN Drive	firmware-hdd-f3faa195ff-HPD7-8.1.x86_64.rpm	EH0600JDYTN	HPD7 (H)	HPD7	更新
1025	Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	firmware-hdd-481c8ea9a7-HPD7-4.1.x86_64.rpm	EK0800JVYPN	HPD7 (D)	HPD7	更新
1026	Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	firmware-hdd-481c8ea9a7-HPD7-4.1.x86_64.rpm	EO1600JVYPP	HPD7 (D)	HPD7	更新
1027	Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP,	firmware-hdd-481c8ea9a7-HPD7-4.1.x86_64.rpm	MK0800JVYPQ	HPD7 (D)	HPD7	更新

	MK0800JVYPQ and MO1600JVYPR Drives					
1028	Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	firmware-hdd-481c8ea9a7-HPD7-4.1.x86_64.rpm	MO1600JVYPR	HPD7 (D)	HPD7	更新
1029	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-6.1.x86_64.rpm	EO000400JWDKP	HPD2 (F)	HPD2	更新
1030	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-6.1.x86_64.rpm	EO000800JWDKQ	HPD2 (F)	HPD2	更新
1031	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-6.1.x86_64.rpm	EO001600JWDKR	HPD2 (F)	HPD2	更新
1032	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-6.1.x86_64.rpm	MO000400JWDK U	HPD2 (F)	HPD2	更新
1033	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-6.1.x86_64.rpm	MO000800JWDK V	HPD2 (F)	HPD2	更新
1034	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-6.1.x86_64.rpm	MO001600JWDLA	HPD2 (F)	HPD2	更新
1035	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR,	firmware-hdd-5dcf26fa42-HPD2-6.1.x86_64.rpm	MO003200JWDLB	HPD2 (F)	HPD2	更新



	MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives					
1036	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd- 42aff4675b-HPD1- 2.1.x86_64.rpm	EO000400PXDBQ	HPD1 (B)	HPD1	新規追加
1037	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd- 42aff4675b-HPD1- 2.1.x86_64.rpm	EO000800PXDCK	HPD1 (B)	HPD1	新規追加
1038	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd- 42aff4675b-HPD1- 2.1.x86_64.rpm	EO001600PXDCH	HPD1 (B)	HPD1	新規追加
1039	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd- 42aff4675b-HPD1- 2.1.x86_64.rpm	MO000800PXDBP	HPD1 (B)	HPD1	新規追加
1040	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP,	firmware-hdd- 42aff4675b-HPD1- 2.1.x86_64.rpm	MO001600PXDCC	HPD1 (B)	HPD1	新規追加

	MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives					
1041	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd- 42aff4675b-HPD1- 2.1.x86_64.rpm	MO003200PXDCC	HPD1 (B)	HPD1	新規追加
1042	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd- 42aff4675b-HPD1- 2.1.x86_64.rpm	MO006400PXDCE	HPD1 (B)	HPD1	新規追加
1043	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd- 42aff4675b-HPD1- 2.1.x86_64.rpm	VO000960PXDBN	HPD1 (B)	HPD1	新規追加
1044	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd- 42aff4675b-HPD1- 2.1.x86_64.rpm	VO001920PXDBR	HPD1 (B)	HPD1	新規追加
1045	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd- 42aff4675b-HPD1-	VO003840PXDBT	HPD1 (B)	HPD1	新規追加

	EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	2.1.x86_64.rpm				
1046	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd- 42aff4675b-HPD1- 2.1.x86_64.rpm	VO007680PXDDBU	HPD1 (B)	HPD1	新規追加
1047	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	firmware-hdd- 42aff4675b-HPD1- 2.1.x86_64.rpm	VO015300PXDDBV	HPD1 (B)	HPD1	新規追加
1048	Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives	firmware-hdd- d7af557f47-HPD4- 2.1.x86_64.rpm	MB002000JWFVN	HPD4 (B)	HPD4	更新
1049	Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives	firmware-hdd- d7af557f47-HPD4- 2.1.x86_64.rpm	MB004000JWFVP	HPD4 (B)	HPD4	更新
1050	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWFVK and MB006000JWFVL Drives	firmware-hdd- f6d00bd17e-HPD4- 2.1.x86_64.rpm	MB004000JWFVK	HPD4 (B)	HPD4	更新
1051	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWFVK and MB006000JWFVL Drives	firmware-hdd- f6d00bd17e-HPD4- 2.1.x86_64.rpm	MB006000JWFVL	HPD4 (B)	HPD4	更新
1052	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWKGU Drive	firmware-hdd- 2c27a7a9a4-HPD2- 2.1.x86_64.rpm	MB004000JWKGU	HPD2 (B)	HPD2	更新
1053	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives	firmware-hdd- adb3ab8147-HPD6- 2.1.x86_64.rpm	MB004000JWWQ B	HPD6 (B)	HPD6	更新
1054	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd- adb3ab8147-HPD6-	MB002000JWWQ A	HPD6 (B)	HPD6	更新

	MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives	2.1.x86_64.rpm				
1055	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives	firmware-hdd- adb3ab8147-HPD6- 2.1.x86_64.rpm	MB001000JWWP V	HPD6 (B)	HPD6	更新
1056	Online HDD/SSD Flash Component for Linux (x64) - MB006000JWKGN Drive	firmware-hdd- a886842a99-HPD2- 2.1.x86_64.rpm	MB006000JWKGN	HPD2 (B)	HPD2	更新
1057	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWJRQ and MB006000JWJRP Drives	firmware-hdd- faf39e0ff7-HPD9- 2.1.x86_64.rpm	MB008000JWJRQ	HPD9 (B)	HPD9	更新
1058	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWJRQ and MB006000JWJRP Drives	firmware-hdd- faf39e0ff7-HPD9- 2.1.x86_64.rpm	MB006000JWJRP	HPD9 (B)	HPD9	更新
1059	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWRTD Drive	firmware-hdd- 8b26d1ef02-HPD2- 2.1.x86_64.rpm	MB008000JWRTD	HPD2 (B)	HPD2	更新
1060	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives	firmware-hdd- ae6b41e855-HPD6- 2.1.x86_64.rpm	MB008000JWWQ P	HPD6 (B)	HPD6	更新
1061	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives	firmware-hdd- ae6b41e855-HPD6- 2.1.x86_64.rpm	MB006000JWWQ N	HPD6 (B)	HPD6	更新
1062	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWAYK and MB008000JWAYH Drives	firmware-hdd- 6ec35faf90-HPD6- 2.1.x86_64.rpm	MB010000JWAYK	HPD6 (B)	HPD6	更新
1063	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWAYK and MB008000JWAYH Drives	firmware-hdd- 6ec35faf90-HPD6- 2.1.x86_64.rpm	MB008000JWAYH	HPD6 (B)	HPD6	更新
1064	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd- cf0b6cabe1-HPD2- 2.1.x86_64.rpm	MB010000JWZHA	HPD2 (B)	HPD2	新規追加
1065	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd- cf0b6cabe1-HPD2- 2.1.x86_64.rpm	MB012000JWZHB	HPD2 (B)	HPD2	新規追加
1066	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd- cf0b6cabe1-HPD2- 2.1.x86_64.rpm	MB014000JWZHC	HPD2 (B)	HPD2	新規追加
1067	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd- cf0b6cabe1-HPD2- 2.1.x86_64.rpm	MB016000JWZHE	HPD2 (B)	HPD2	新規追加
1068	Online HDD/SSD Flash Component for Linux (x64) - MB012000JWDFD Drive	firmware-hdd- aaf1014ede-HPD3- 2.1.x86_64.rpm	MB012000JWDFD	HPD3 (B)	HPD3	更新
1069	Online HDD/SSD Flash	firmware-hdd-	MB014000JWRTH	HPD2 (F)	HPD2	更新

	Component for Linux (x64) - MB014000JWRTH, MB012000JWRWF and MB010000JWRTE Drives	10385ef3e6-HPD2-6.1.x86_64.rpm				
1070	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRWF and MB010000JWRTE Drives	firmware-hdd-10385ef3e6-HPD2-6.1.x86_64.rpm	MB012000JWRWF	HPD2 (F)	HPD2	更新
1071	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRWF and MB010000JWRTE Drives	firmware-hdd-10385ef3e6-HPD2-6.1.x86_64.rpm	MB010000JWRTE	HPD2 (F)	HPD2	更新
1072	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWTFD and MB012000JWTFD Drives	firmware-hdd-4ba9615f90-HPD8-2.1.x86_64.rpm	MB014000JWTFD	HPD8 (B)	HPD8	新規追加
1073	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWTFD and MB012000JWTFD Drives	firmware-hdd-4ba9615f90-HPD8-2.1.x86_64.rpm	MB012000JWTFD	HPD8 (B)	HPD8	新規追加
1074	Online HDD/SSD Flash Component for Linux (x64) - MB014000JUDB Drive	firmware-hdd-cfd7436fcc-HPD3-2.1.x86_64.rpm	MB014000JUDB	HPD3 (B)	HPD3	更新
1075	Online HDD/SSD Flash Component for Linux (x64) - MB016000JWXKH Drive	firmware-hdd-8a0371a425-HPD9-2.1.x86_64.rpm	MB016000JWXKH	HPD9 (B)	HPD9	新規追加
1076	Online HDD/SSD Flash Component for Linux (x64) - MB016000JLBA and MB018000JLBA Drives	firmware-hdd-d550523365-HPD2-1.1.x86_64.rpm	MB016000JLBA	HPD2	HPD2	新規追加
1077	Online HDD/SSD Flash Component for Linux (x64) - MB016000JLBA and MB018000JLBA Drives	firmware-hdd-d550523365-HPD2-1.1.x86_64.rpm	MB018000JLBA	HPD2	HPD2	新規追加
1078	Online HDD/SSD Flash Component for Linux (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	firmware-hdd-b85516c7d2-HPD3-6.1.x86_64.rpm	MB1000JVYZL	HPD3 (F)	HPD3	更新
1079	Online HDD/SSD Flash Component for Linux (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	firmware-hdd-b85516c7d2-HPD3-6.1.x86_64.rpm	MB2000JVYZN	HPD3 (F)	HPD3	更新
1080	Online HDD/SSD Flash Component for Linux (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	firmware-hdd-b85516c7d2-HPD3-6.1.x86_64.rpm	MB3000JVYZP	HPD3 (F)	HPD3	更新
1081	Online HDD/SSD Flash Component for Linux (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	firmware-hdd-b85516c7d2-HPD3-6.1.x86_64.rpm	MB4000JVYZQ	HPD3 (F)	HPD3	更新
1082	Online HDD/SSD Flash Component for Linux (x64) - MB2000JFDSL and MB4000JFDSL Drives	firmware-hdd-46fc43ab26-HPD4-8.1.x86_64.rpm	MB2000JFDSL	HPD4 (H)	HPD4	更新
1083	Online HDD/SSD Flash Component for Linux (x64) - MB2000JFDSL and MB4000JFDSL Drives	firmware-hdd-46fc43ab26-HPD4-8.1.x86_64.rpm	MB4000JFDSL	HPD4 (H)	HPD4	更新
1084	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd-624b75c7e2-HPD6-	MB2000JFEML	HPD6 (H)	HPD6	更新

	MB2000JFEML and MB4000JFEMN Drives	8.1.x86_64.rpm				
1085	Online HDD/SSD Flash Component for Linux (x64) - MB2000JFEML and MB4000JFEMN Drives	firmware-hdd-624b75c7e2-HPD6-8.1.x86_64.rpm	MB4000JFEMN	HPD6 (H)	HPD6	更新
1086	Online HDD/SSD Flash Component for Linux (x64) - MB2000JFEPA and MB4000JFEPB Drives	firmware-hdd-326de7c0f2-HPD5-8.1.x86_64.rpm	MB2000JFEPA	HPD5 (H)	HPD5	更新
1087	Online HDD/SSD Flash Component for Linux (x64) - MB2000JFEPA and MB4000JFEPB Drives	firmware-hdd-326de7c0f2-HPD5-8.1.x86_64.rpm	MB4000JFEPB	HPD5 (H)	HPD5	更新
1088	Online HDD/SSD Flash Component for Linux (x64) - MB4000JEFNC and MB6000JEFND Drives	firmware-hdd-af802bb412-HPD9-8.1.x86_64.rpm	MB4000JEFNC	HPD9 (H)	HPD9	更新
1089	Online HDD/SSD Flash Component for Linux (x64) - MB4000JEFNC and MB6000JEFND Drives	firmware-hdd-af802bb412-HPD9-8.1.x86_64.rpm	MB6000JEFND	HPD9 (H)	HPD9	更新
1090	Online HDD/SSD Flash Component for Linux (x64) - MB4000JEQNL and MB6000JEQNN Drives	firmware-hdd-2cfaac41db-HPDB-8.1.x86_64.rpm	MB4000JEQNL	HPDB (H)	HPDB	更新
1091	Online HDD/SSD Flash Component for Linux (x64) - MB4000JEQNL and MB6000JEQNN Drives	firmware-hdd-2cfaac41db-HPDB-8.1.x86_64.rpm	MB6000JEQNN	HPDB (H)	HPDB	更新
1092	Online HDD/SSD Flash Component for Linux (x64) - MB4000JEXYA and MB6000JEXYB Drives	firmware-hdd-0f923833e9-HPD9-6.1.x86_64.rpm	MB4000JEXYA	HPD9 (F)	HPD9	更新
1093	Online HDD/SSD Flash Component for Linux (x64) - MB4000JEXYA and MB6000JEXYB Drives	firmware-hdd-0f923833e9-HPD9-6.1.x86_64.rpm	MB6000JEXYB	HPD9 (F)	HPD9	更新
1094	Online HDD/SSD Flash Component for Linux (x64) - MB6000JEQUV and MB8000JEQVA Drives	firmware-hdd-df22f7effd-HPDB-8.1.x86_64.rpm	MB6000JEQUV	HPDB (H)	HPDB	更新
1095	Online HDD/SSD Flash Component for Linux (x64) - MB6000JEQUV and MB8000JEQVA Drives	firmware-hdd-df22f7effd-HPDB-8.1.x86_64.rpm	MB8000JEQVA	HPDB (H)	HPDB	更新
1096	Online HDD/SSD Flash Component for Linux (x64) - MB6000JVYYV Drive	firmware-hdd-0595c2a887-HPD2-8.1.x86_64.rpm	MB6000JVYYV	HPD2 (H)	HPD2	更新
1097	Online HDD/SSD Flash Component for Linux (x64) - MB6000JVYZD and MB4000JVYZC Drives	firmware-hdd-e800e8d3b9-HPD4-6.1.x86_64.rpm	MB6000JVYZD	HPD4 (F)	HPD4	更新
1098	Online HDD/SSD Flash Component for Linux (x64) - MB6000JVYZD and MB4000JVYZC Drives	firmware-hdd-e800e8d3b9-HPD4-6.1.x86_64.rpm	MB4000JVYZC	HPD4 (F)	HPD4	更新
1099	Online HDD/SSD Flash Component for Linux (x64) - MB8000JFECQ Drive	firmware-hdd-252770cdda-HPD7-7.1.x86_64.rpm	MB8000JFECQ	HPD7 (G)	HPD7	更新
1100	Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives	firmware-hdd-b04257b77b-HPD9-2.1.x86_64.rpm	MM1000JEFRB	HPD9 (B)	HPD9	更新
1101	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd-b04257b77b-HPD9-	MM2000JEFRC	HPD9 (B)	HPD9	更新

	MM1000JEFRB and MM2000JEFRC Drives	2.1.x86_64.rpm				
1102	Online HDD/SSD Flash Component for Linux (x64) - MM1000JFJTH and MM002000JWCNF Drives	firmware-hdd-fa46c607d6-HPD4-2.1.x86_64.rpm	MM1000JFJTH	HPD4 (B)	HPD4	更新
1103	Online HDD/SSD Flash Component for Linux (x64) - MM1000JFJTH and MM002000JWCNF Drives	firmware-hdd-fa46c607d6-HPD4-2.1.x86_64.rpm	MM002000JWCNF	HPD4 (B)	HPD4	更新
1104	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	firmware-hdd-b8a60fbe9a-HPD5-5.1.x86_64.rpm	MO000400JWFVN	HPD5 (E)	HPD5	更新
1105	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	firmware-hdd-b8a60fbe9a-HPD5-5.1.x86_64.rpm	MO000800JWFVP	HPD5 (E)	HPD5	更新
1106	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	firmware-hdd-b8a60fbe9a-HPD5-5.1.x86_64.rpm	MO001600JWFVQ	HPD5 (E)	HPD5	更新
1107	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	firmware-hdd-b8a60fbe9a-HPD5-5.1.x86_64.rpm	MO003200JWFVR	HPD5 (E)	HPD5	更新
1108	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	firmware-hdd-b8a60fbe9a-HPD5-5.1.x86_64.rpm	MO000960JWFVT	HPD5 (E)	HPD5	更新
1109	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	firmware-hdd-b8a60fbe9a-HPD5-5.1.x86_64.rpm	MO001920JWFVU	HPD5 (E)	HPD5	更新
1110	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd-b8a60fbe9a-HPD5-	MO003840JWFVV	HPD5 (E)	HPD5	更新

	MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVW Drives	5.1.x86_64.rpm				
1111	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd- ef93133161-HPD3- 3.1.x86_64.rpm	MO000400JWUFT	HPD3 (C)	HPD3	更新
1112	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd- ef93133161-HPD3- 3.1.x86_64.rpm	MO000800JWUF U	HPD3 (C)	HPD3	更新
1113	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd- ef93133161-HPD3- 3.1.x86_64.rpm	MO001600JWUFV	HPD3 (C)	HPD3	更新
1114	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd- ef93133161-HPD3- 3.1.x86_64.rpm	MO003200JWUG A	HPD3 (C)	HPD3	更新
1115	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd- ef93133161-HPD3- 3.1.x86_64.rpm	MO006400JWUG B	HPD3 (C)	HPD3	更新
1116	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd- ef93133161-HPD3- 3.1.x86_64.rpm	EO000400JWUGC	HPD3 (C)	HPD3	更新



	EO001600JWUGE Drives					
1117	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd-ef93133161-HPD3-3.1.x86_64.rpm	EO000800JWUGD	HPD3 (C)	HPD3	更新
1118	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	firmware-hdd-ef93133161-HPD3-3.1.x86_64.rpm	EO001600JWUGE	HPD3 (C)	HPD3	更新
1119	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD1-2.1.x86_64.rpm	MO000800JXBEV	HPD1 (B)	HPD1	新規追加
1120	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD1-2.1.x86_64.rpm	MO001600JXBFP	HPD1 (B)	HPD1	新規追加
1121	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD1-2.1.x86_64.rpm	MO003200JXBFO	HPD1 (B)	HPD1	新規追加
1122	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV,	firmware-hdd-24384980ec-HPD1-2.1.x86_64.rpm	MO006400JXBFR	HPD1 (B)	HPD1	新規追加

	MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives					
1123	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD1- 2.1.x86_64.rpm	MO000960JXBFA	HPD1 (B)	HPD1	新規追加
1124	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD1- 2.1.x86_64.rpm	MO001920JXBFT	HPD1 (B)	HPD1	新規追加
1125	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd- 24384980ec-HPD1- 2.1.x86_64.rpm	MO003840JXBFU	HPD1 (B)	HPD1	新規追加
1126	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and	firmware-hdd- 24384980ec-HPD1- 2.1.x86_64.rpm	MO007680JXBGA	HPD1 (B)	HPD1	新規追加

	EO001600JXBFN Drives					
1127	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD1-2.1.x86_64.rpm	MO0015360JXBFV	HPD1 (B)	HPD1	新規追加
1128	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD1-2.1.x86_64.rpm	EO000400JXBEU	HPD1 (B)	HPD1	新規追加
1129	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD1-2.1.x86_64.rpm	EO000800JXBFL	HPD1 (B)	HPD1	新規追加
1130	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD1-2.1.x86_64.rpm	EO001600JXBFN	HPD1 (B)	HPD1	新規追加
1131	Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	firmware-hdd-71af849f3b-HPD3-8.1.x86_64.rpm	EO0800JEFPF	HPD3 (H)	HPD3	更新
1132	Online HDD/SSD Flash	firmware-hdd-	EO0400JEFPE	HPD3 (H)	HPD3	更新

	Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	71af849f3b-HPD3- 8.1.x86_64.rpm				
1133	Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	firmware-hdd- 71af849f3b-HPD3- 8.1.x86_64.rpm	EO0200JEFPD	HPD3 (H)	HPD3	更新
1134	Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	firmware-hdd- 71af849f3b-HPD3- 8.1.x86_64.rpm	MO1600JEFPC	HPD3 (H)	HPD3	更新
1135	Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	firmware-hdd- 71af849f3b-HPD3- 8.1.x86_64.rpm	MO0800JEFPB	HPD3 (H)	HPD3	更新
1136	Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	firmware-hdd- 71af849f3b-HPD3- 8.1.x86_64.rpm	MO0400JEFPA	HPD3 (H)	HPD3	更新
1137	Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	firmware-hdd- 71af849f3b-HPD3- 8.1.x86_64.rpm	MO0200JEFNV	HPD3 (H)	HPD3	更新
1138	Online HDD/SSD Flash Component for Linux (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	firmware-hdd- edf6dcd906-HPD9- 4.1.x86_64.rpm	MO0400JFFCF	HPD9 (D)	HPD9	更新
1139	Online HDD/SSD Flash Component for Linux (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	firmware-hdd- edf6dcd906-HPD9- 4.1.x86_64.rpm	MO0800JFFCH	HPD9 (D)	HPD9	更新
1140	Online HDD/SSD Flash Component for Linux (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	firmware-hdd- edf6dcd906-HPD9- 4.1.x86_64.rpm	MO1600JFFCK	HPD9 (D)	HPD9	更新
1141	Online HDD/SSD Flash	firmware-hdd-	MO3200JFFCL	HPD9 (D)	HPD9	更新

	Component for Linux (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	edf6dcd906-HPD9-4.1.x86_64.rpm				
1142	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-5.1.x86_64.rpm	VK000960JWSSQ	HPD8 (E)	HPD8	更新
1143	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-5.1.x86_64.rpm	VK001920JWSSR	HPD8 (E)	HPD8	更新
1144	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-5.1.x86_64.rpm	VK003840JWSST	HPD8 (E)	HPD8	更新
1145	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-5.1.x86_64.rpm	VK007680JWSSU	HPD8 (E)	HPD8	更新
1146	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-5.1.x86_64.rpm	VO015300JWSSV	HPD8 (E)	HPD8	更新
1147	Online HDD/SSD Flash Component for Linux (x64) - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	firmware-hdd-8a7ecf7465-HPD4-2.1.x86_64.rpm	VK0400JEABD	HPD4 (B)	HPD4	新規追加
1148	Online HDD/SSD Flash Component for Linux (x64) - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	firmware-hdd-8a7ecf7465-HPD4-2.1.x86_64.rpm	VK0800JEABE	HPD4 (B)	HPD4	新規追加
1149	Online HDD/SSD Flash Component for Linux (x64) - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	firmware-hdd-8a7ecf7465-HPD4-2.1.x86_64.rpm	VO1600JEABF	HPD4 (B)	HPD4	新規追加
1150	Online HDD/SSD Flash Component for Linux (x64) - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	firmware-hdd-2eb810cdd7-HPD8-4.1.x86_64.rpm	VO000480JWDAR	HPD8 (D)	HPD8	更新
1151	Online HDD/SSD Flash Component for Linux (x64) - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	firmware-hdd-2eb810cdd7-HPD8-4.1.x86_64.rpm	VO000960JWDAT	HPD8 (D)	HPD8	更新
1152	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd-2eb810cdd7-HPD8-	VO001920JWDAU	HPD8 (D)	HPD8	更新

	VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	4.1.x86_64.rpm				
1153	Online HDD/SSD Flash Component for Linux (x64) - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	firmware-hdd- 2eb810cdd7-HPD8- 4.1.x86_64.rpm	VO003840JWDAV	HPD8 (D)	HPD8	更新
1154	Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	firmware-hdd- a07a420ed1-HPD4- 2.1.x86_64.rpm	VO000800JWZJP	HPD4 (B)	HPD4	更新
1155	Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	firmware-hdd- a07a420ed1-HPD4- 2.1.x86_64.rpm	VO001600JWZJQ	HPD4 (B)	HPD4	更新
1156	Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	firmware-hdd- a07a420ed1-HPD4- 2.1.x86_64.rpm	VO003200JWZJR	HPD4 (B)	HPD4	更新
1157	Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	firmware-hdd- a07a420ed1-HPD4- 2.1.x86_64.rpm	VO006400JWZJT	HPD4 (B)	HPD4	更新
1158	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTCV, EO000800JWTCW and EO001600JWTCX Drives	firmware-hdd- 9ad359dac1-HPD9- 2.1.x86_64.rpm	VO000960JWTBK	HPD9 (B)	HPD9	更新
1159	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTCV, EO000800JWTCW and EO001600JWTCX Drives	firmware-hdd- 9ad359dac1-HPD9- 2.1.x86_64.rpm	VO001920JWTBL	HPD9 (B)	HPD9	更新
1160	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL,	firmware-hdd- 9ad359dac1-HPD9- 2.1.x86_64.rpm	VO003840JWTBN	HPD9 (B)	HPD9	更新

	VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB and EO001600JWTCB Drives					
1161	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPD9-2.1.x86_64.rpm	VO007680JWTCB	HPD9 (B)	HPD9	更新
1162	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPD9-2.1.x86_64.rpm	MO000400JWTCB Q	HPD9 (B)	HPD9	更新
1163	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPD9-2.1.x86_64.rpm	MO000800JWTCB	HPD9 (B)	HPD9	更新
1164	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTCB, VO001920JWTCB, VO003840JWTCB, VO007680JWTCB, MO000400JWTCB, MO000800JWTCB, MO001600JWTCB, MO003200JWTCB, MO006400JWTCB, EO000400JWTCB, EO000800JWTCB and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPD9-2.1.x86_64.rpm	MO001600JWTCB	HPD9 (B)	HPD9	更新

1165	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWBK, VO001920JWTL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPD9-2.1.x86_64.rpm	MO003200JWBU	HPD9 (B)	HPD9	更新
1166	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWBK, VO001920JWTL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPD9-2.1.x86_64.rpm	MO006400JWTC	HPD9 (B)	HPD9	更新
1167	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWBK, VO001920JWTL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPD9-2.1.x86_64.rpm	EO000400JWBV	HPD9 (B)	HPD9	更新
1168	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWBK, VO001920JWTL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPD9-2.1.x86_64.rpm	EO000800JWTC	HPD9 (B)	HPD9	更新
1169	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWBK, VO001920JWTL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU,	firmware-hdd-9ad359dac1-HPD9-2.1.x86_64.rpm	EO001600JWTCB	HPD9 (B)	HPD9	更新



	MO006400JWTCB, EO000400JWTVB, EO000800JWTVCA and EO001600JWTVCB Drives					
1170	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTVBK, VO001920JWTVBL, VO003840JWTVBN, VO007680JWTVBP, MO000400JWTVBQ, MO000800JWTVBR, MO001600JWTVBT, MO003200JWTVBU, MO006400JWTVCD, EO000400JWTVBV, EO000800JWTVCA and EO001600JWTVCB Drives	firmware-hdd- 9ad359dac1-HPD9- 2.1.x86_64.rpm	EO003200JWTVCC	HPD9 (B)	HPD9	更新
1171	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTVBK, VO001920JWTVBL, VO003840JWTVBN, VO007680JWTVBP, MO000400JWTVBQ, MO000800JWTVBR, MO001600JWTVBT, MO003200JWTVBU, MO006400JWTVCD, EO000400JWTVBV, EO000800JWTVCA and EO001600JWTVCB Drives	firmware-hdd- 9ad359dac1-HPD9- 2.1.x86_64.rpm	MO001920JWW WV	HPD9 (B)	HPD9	更新
1172	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd- 35fd24601f-HPD4- 2.1.x86_64.rpm	VO000960JWZJF	HPD4 (B)	HPD4	更新
1173	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd- 35fd24601f-HPD4- 2.1.x86_64.rpm	VO001920JWZJH	HPD4 (B)	HPD4	更新
1174	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd- 35fd24601f-HPD4- 2.1.x86_64.rpm	VO003840JWZJK	HPD4 (B)	HPD4	更新
1175	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd- 35fd24601f-HPD4- 2.1.x86_64.rpm	VO007680JWZJL	HPD4 (B)	HPD4	更新
1176	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and	firmware-hdd- 35fd24601f-HPD4- 2.1.x86_64.rpm	VO015360JWZJN	HPD4 (B)	HPD4	更新

	VO015360JWZJN Drives					
1177	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fadc9efb2-HPD6-1.1.x86_64.rpm	VO000960RWUEV	HPD6	HPD6	更新
1178	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fadc9efb2-HPD6-1.1.x86_64.rpm	VO001920RWUFA	HPD6	HPD6	更新
1179	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fadc9efb2-HPD6-1.1.x86_64.rpm	VO003840RWUFB	HPD6	HPD6	更新
1180	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fadc9efb2-HPD6-1.1.x86_64.rpm	VO007680RWUFC	HPD6	HPD6	更新
1181	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fadc9efb2-HPD6-1.1.x86_64.rpm	VO000960RWUFD	HPD6	HPD6	更新
1182	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fadc9efb2-HPD6-1.1.x86_64.rpm	VO001920RWUFE	HPD6	HPD6	更新
1183	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fadc9efb2-HPD6-1.1.x86_64.rpm	VO003840RWUFF	HPD6	HPD6	更新
1184	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd-4c048aaeb0-HPD8-	VO007680JWCNK	HPD8 (D)	HPD8	更新

	VO007680JWCNK and VO015300JWCNL Drives	4.1.x86_64.rpm				
1185	Online HDD/SSD Flash Component for Linux (x64) - VO007680JWCNK and VO015300JWCNL Drives	firmware-hdd-4c048aaeb0-HPD8-4.1.x86_64.rpm	VO015300JWCNL	HPD8 (D)	HPD8	更新
1186	Online HDD/SSD Flash Component for Linux (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	firmware-hdd-8ed8893abd-HPD9-4.1.x86_64.rpm	VO0480JFDGT	HPD9 (D)	HPD9	更新
1187	Online HDD/SSD Flash Component for Linux (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	firmware-hdd-8ed8893abd-HPD9-4.1.x86_64.rpm	VO0960JFDGU	HPD9 (D)	HPD9	更新
1188	Online HDD/SSD Flash Component for Linux (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	firmware-hdd-8ed8893abd-HPD9-4.1.x86_64.rpm	VO1920JFDGV	HPD9 (D)	HPD9	更新
1189	Online HDD/SSD Flash Component for Linux (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	firmware-hdd-8ed8893abd-HPD9-4.1.x86_64.rpm	VO3840JFDHA	HPD9 (D)	HPD9	更新
1190	Online HDD/SSD Flash Component for Linux (x64) - VO1920JEUQQ Drive	firmware-hdd-5d9e841607-HPD3-8.1.x86_64.rpm	VO1920JEUQQ	HPD3 (H)	HPD3	更新
1191	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWBHR Drive	CP048248.zip	EG000300JWBHR	HPD5 (B)	HPD5	更新
1192	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWFVB Drive	CP048245.zip	EG000300JWFVB	HPD3 (B)	HPD3	更新
1193	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	CP049144.zip	EG000600JWJNH	HPD4 (B)	HPD4	更新
1194	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	CP049144.zip	EG001200JWJNK	HPD4 (B)	HPD4	更新
1195	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	CP049144.zip	EG000300JWSJP	HPD4 (B)	HPD4	更新
1196	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWEBH and EG000300JWEBF Drives	CP049345.zip	EG000600JWEBH	HPD5 (B)	HPD5	新規追加
1197	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWEBH and EG000300JWEBF Drives	CP049345.zip	EG000300JWEBF	HPD5 (B)	HPD5	新規追加
1198	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWFUV and EG001200JWFVA Drives	CP048250.zip	EG000600JWFUV	HPD4 (B)	HPD4	更新

1199	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWFUV and EG001200JWFVA Drives	CP048250.zip	EG001200JWFVA	HPD4 (B)	HPD4	更新
1200	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP and EG001200JWJNQ Drives	CP048251.zip	EG000600JWJNP	HPD4 (B)	HPD4	更新
1201	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP and EG001200JWJNQ Drives	CP048251.zip	EG001200JWJNQ	HPD4 (B)	HPD4	更新
1202	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWFVC Drive	CP048253.zip	EG001800JWFVC	HPD4 (B)	HPD4	更新
1203	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drives	CP049141.zip	EG001800JWJNL	HPD4 (B)	HPD4	更新
1204	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drives	CP049141.zip	EG002400JWJNN	HPD4 (B)	HPD4	更新
1205	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR and EG002400JWJNT Drives	CP048254.zip	EG001800JWJNR	HPD6 (B)	HPD6	更新
1206	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR and EG002400JWJNT Drives	CP048254.zip	EG002400JWJNT	HPD6 (B)	HPD6	更新
1207	Online HDD/SSD Flash Component for VMware ESXi - EG0300FCSPH, EG0450FCSPK, EG0600FCSPK and EG0900FCSPN Drives	CP048255.zip	EG0300FCSPH	HPD2 (I)	HPD2	更新
1208	Online HDD/SSD Flash Component for VMware ESXi - EG0300FCSPH, EG0450FCSPK, EG0600FCSPK and EG0900FCSPN Drives	CP048255.zip	EG0450FCSPK	HPD2 (I)	HPD2	更新
1209	Online HDD/SSD Flash Component for VMware ESXi - EG0300FCSPH, EG0450FCSPK, EG0600FCSPK and EG0900FCSPN Drives	CP048255.zip	EG0600FCSPK	HPD2 (I)	HPD2	更新
1210	Online HDD/SSD Flash Component for VMware ESXi - EG0300FCSPH, EG0450FCSPK, EG0600FCSPK and EG0900FCSPN Drives	CP048255.zip	EG0900FCSPN	HPD2 (I)	HPD2	更新
1211	Online HDD/SSD Flash Component for VMware ESXi - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB, and EG1200JEHMC Drives	CP048261.zip	EG0300JEHLV	HPD5 (J)	HPD5	更新
1212	Online HDD/SSD Flash Component for VMware ESXi - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB, and EG1200JEHMC Drives	CP048261.zip	EG0600JEHMA	HPD5 (J)	HPD5	更新
1213	Online HDD/SSD Flash Component for VMware ESXi - EG0300JEHLV,	CP048261.zip	EG0900JEHMB	HPD5 (J)	HPD5	更新

	EG0600JEHMA, EG0900JEHMB, and EG1200JEHMC Drives					
1214	Online HDD/SSD Flash Component for VMware ESXi - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB, and EG1200JEHMC Drives	CP048261.zip	EG1200JEHMC	HPD5 (J)	HPD5	更新
1215	Online HDD/SSD Flash Component for VMware ESXi - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	CP048263.zip	EG0600JEMCV	HPD6 (I)	HPD6	更新
1216	Online HDD/SSD Flash Component for VMware ESXi - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	CP048263.zip	EG1200JEMDA	HPD6 (I)	HPD6	更新
1217	Online HDD/SSD Flash Component for VMware ESXi - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	CP048263.zip	EG0300JFCKA	HPD6 (I)	HPD6	更新
1218	Online HDD/SSD Flash Component for VMware ESXi - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	CP048263.zip	EG0900JFCKB	HPD6 (I)	HPD6	更新
1219	Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	CP048264.zip	EG0600JETKA	HPD8 (B)	HPD8	更新
1220	Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	CP048264.zip	EG0900JETKB	HPD8 (B)	HPD8	更新
1221	Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	CP048264.zip	EG1200JETKC	HPD8 (B)	HPD8	更新
1222	Online HDD/SSD Flash Component for VMware ESXi - EG1800JEHMD Drive	CP048265.zip	EG1800JEHMD	HPD6 (J)	HPD6	更新
1223	Online HDD/SSD Flash Component for VMware ESXi - EG1800JEMDB Drive	CP048266.zip	EG1800JEMDB	HPD5 (I)	HPD5	更新
1224	Online HDD/SSD Flash Component for VMware ESXi - EG1800JFHMH Drive	CP048270.zip	EG1800JFHMH	HPD8 (B)	HPD8	更新
1225	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP048286.zip	EH000300JWCPK	HPD7 (B)	HPD7	更新
1226	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP048286.zip	EH000600JWCPL	HPD7 (B)	HPD7	更新
1227	Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	CP048286.zip	EH000900JWCPN	HPD7 (B)	HPD7	更新
1228	Online HDD/SSD Flash	CP048272.zip	EH000900JWCPH	HPD9 (B)	HPD9	更新

	Component for VMware ESXi - EH000600JWCPCF and EH000900JWCPH Drives					
1229	Online HDD/SSD Flash Component for VMware ESXi - EH000600JWCPCF and EH000900JWCPH Drives	CP048272.zip	EH000600JWCPCF	HPD9 (B)	HPD9	更新
1230	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPK and EH000600JWHPH Drives	CP049135.zip	EH000900JWHPK	HPD7 (B)	HPD7	更新
1231	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPK and EH000600JWHPH Drives	CP049135.zip	EH000600JWHPH	HPD7 (B)	HPD7	更新
1232	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	CP049136.zip	EH000900JWHPP	HPD7 (B)	HPD7	更新
1233	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	CP049136.zip	EH000600JWHPN	HPD7 (B)	HPD7	更新
1234	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	CP049136.zip	EH000300JWHPL	HPD7 (B)	HPD7	更新
1235	Online HDD/SSD Flash Component for VMware ESXi - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives	CP048291.zip	EH0300JDXBA	HPD5 (I)	HPD5	更新
1236	Online HDD/SSD Flash Component for VMware ESXi - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives	CP048291.zip	EH0450JDXBB	HPD5 (I)	HPD5	更新
1237	Online HDD/SSD Flash Component for VMware ESXi - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives	CP048291.zip	EH0600JDXBC	HPD5 (I)	HPD5	更新
1238	Online HDD/SSD Flash Component for VMware ESXi - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	CP048292.zip	EH0300JDYTH	HPD6 (J)	HPD6	更新
1239	Online HDD/SSD Flash Component for VMware ESXi - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	CP048292.zip	EH0450JDYTK	HPD6 (J)	HPD6	更新
1240	Online HDD/SSD Flash Component for VMware ESXi - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	CP048292.zip	EH0600JDYTL	HPD6 (J)	HPD6	更新
1241	Online HDD/SSD Flash Component for VMware ESXi - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives	CP048293.zip	EH0300JEDHC	HPD4 (J)	HPD4	更新
1242	Online HDD/SSD Flash	CP048293.zip	EH0450JEDHD	HPD4 (J)	HPD4	更新

	Component for VMware ESXi - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives					
1243	Online HDD/SSD Flash Component for VMware ESXi - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives	CP048293.zip	EH0600JEDHE	HPD4 (J)	HPD4	更新
1244	Online HDD/SSD Flash Component for VMware ESXi - EH0600JDYTN Drive	CP048294.zip	EH0600JDYTN	HPD7 (H)	HPD7	更新
1245	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP048429.zip	EK0800JVYPN	HPD7 (D)	HPD7	更新
1246	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP048429.zip	EO1600JVYPP	HPD7 (D)	HPD7	更新
1247	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP048429.zip	MK0800JVYPQ	HPD7 (D)	HPD7	更新
1248	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP048429.zip	MO1600JVYPR	HPD7 (D)	HPD7	更新
1249	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP048297.zip	EO000400JWDKP	HPD2 (F)	HPD2	更新
1250	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP048297.zip	EO000800JWDKQ	HPD2 (F)	HPD2	更新
1251	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP048297.zip	EO001600JWDKR	HPD2 (F)	HPD2	更新
1252	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV,	CP048297.zip	MO000400JWDK U	HPD2 (F)	HPD2	更新

	MO001600JWDLA and MO003200JWDLB Drives					
1253	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP048297.zip	MO000800JWDK V	HPD2 (F)	HPD2	更新
1254	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP048297.zip	MO001600JWDLA	HPD2 (F)	HPD2	更新
1255	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP048297.zip	MO003200JWDLB	HPD2 (F)	HPD2	更新
1256	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP049165.zip	EO000400PXDBQ	HPD1 (B)	HPD1	新規追加
1257	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP049165.zip	EO000800PXDCCK	HPD1 (B)	HPD1	新規追加
1258	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE,	CP049165.zip	EO001600PXDCH	HPD1 (B)	HPD1	新規追加



	VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives					
1259	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP049165.zip	MO000800PXDBP	HPD1 (B)	HPD1	新規追加
1260	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP049165.zip	MO001600PXDCC	HPD1 (B)	HPD1	新規追加
1261	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP049165.zip	MO003200PXDCCD	HPD1 (B)	HPD1	新規追加
1262	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP049165.zip	MO006400PXDCE	HPD1 (B)	HPD1	新規追加
1263	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCH,	CP049165.zip	VO000960PXDBN	HPD1 (B)	HPD1	新規追加

	MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives					
1264	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCD, EO001600PXDCD, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP049165.zip	VO001920PXDBR	HPD1 (B)	HPD1	新規追加
1265	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCD, EO001600PXDCD, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP049165.zip	VO003840PXDBT	HPD1 (B)	HPD1	新規追加
1266	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCD, EO001600PXDCD, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP049165.zip	VO007680PXDBU	HPD1 (B)	HPD1	新規追加
1267	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCD, EO001600PXDCD, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP049165.zip	VO015300PXDBV	HPD1 (B)	HPD1	新規追加
1268	Online HDD/SSD Flash	CP048318.zip	MB002000JWFVN	HPD4 (B)	HPD4	更新

	Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives					
1269	Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives	CP048318.zip	MB004000JWFVP	HPD4 (B)	HPD4	更新
1270	Online HDD/SSD Flash Component for VMware ESXi - MB004000JFVK and MB006000JWFVL Drives	CP048320.zip	MB004000JFVK	HPD4 (B)	HPD4	更新
1271	Online HDD/SSD Flash Component for VMware ESXi - MB004000JFVK and MB006000JWFVL Drives	CP048320.zip	MB006000JWFVL	HPD4 (B)	HPD4	更新
1272	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWKGU Drive	CP048321.zip	MB004000JWKGU	HPD2 (B)	HPD2	更新
1273	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives	CP048431.zip	MB004000JWWQ B	HPD6 (B)	HPD6	更新
1274	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives	CP048431.zip	MB002000JWWQ A	HPD6 (B)	HPD6	更新
1275	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives	CP048431.zip	MB001000JWWP V	HPD6 (B)	HPD6	更新
1276	Online HDD/SSD Flash Component for VMware ESXi - MB006000JWKGN Drive	CP048330.zip	MB006000JWKGN	HPD2 (B)	HPD2	更新
1277	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWJRQ and MB006000JWJRP Drives	CP049132.zip	MB008000JWJRQ	HPD9 (B)	HPD9	更新
1278	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWJRQ and MB006000JWJRP Drives	CP049132.zip	MB006000JWJRP	HPD9 (B)	HPD9	更新
1279	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWRTD Drive	CP048332.zip	MB008000JWRTD	HPD2 (B)	HPD2	更新
1280	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP048426.zip	MB008000JWWQ P	HPD6 (B)	HPD6	更新
1281	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP048426.zip	MB006000JWWQ N	HPD6 (B)	HPD6	更新
1282	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWAYK and MB008000JWAYH Drives	CP048334.zip	MB010000JWAYK	HPD6 (B)	HPD6	更新
1283	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWAYK and MB008000JWAYH Drives	CP048334.zip	MB008000JWAYH	HPD6 (B)	HPD6	更新
1284	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA,	CP049051.zip	MB010000JWZHA	HPD2 (B)	HPD2	新規追加

	MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives					
1285	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP049051.zip	MB012000JWZHB	HPD2 (B)	HPD2	新規追加
1286	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP049051.zip	MB014000JWZHC	HPD2 (B)	HPD2	新規追加
1287	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP049051.zip	MB016000JWZHE	HPD2 (B)	HPD2	新規追加
1288	Online HDD/SSD Flash Component for VMware ESXi - MB012000JWDFD Drive	CP048404.zip	MB012000JWDFD	HPD3 (B)	HPD3	更新
1289	Online HDD/SSD Flash Component for VMware ESXi - MB014000JWTFD and MB012000JWTFD Drives	CP049120.zip	MB014000JWTFD	HPD8 (B)	HPD8	新規追加
1290	Online HDD/SSD Flash Component for VMware ESXi - MB014000JWTFD and MB012000JWTFD Drives	CP049120.zip	MB012000JWTFD	HPD8 (B)	HPD8	新規追加
1291	Online HDD/SSD Flash Component for VMware ESXi - MB014000JWUDB Drive	CP048341.zip	MB014000JWUDB	HPD3 (B)	HPD3	更新
1292	Online HDD/SSD Flash Component for VMware ESXi - MB016000JWXKH Drive	CP049124.zip	MB016000JWXKH	HPD9 (B)	HPD9	新規追加
1293	Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives	CP049256.zip	MB016000JXLBA	HPD2	HPD2	新規追加
1294	Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives	CP049256.zip	MB018000JXLAU	HPD2	HPD2	新規追加
1295	Online HDD/SSD Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	CP048344.zip	MB1000JVYZL	HPD3 (F)	HPD3	更新
1296	Online HDD/SSD Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	CP048344.zip	MB2000JVYZN	HPD3 (F)	HPD3	更新
1297	Online HDD/SSD Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	CP048344.zip	MB3000JVYZP	HPD3 (F)	HPD3	更新
1298	Online HDD/SSD Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	CP048344.zip	MB4000JVYZQ	HPD3 (F)	HPD3	更新

1299	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFDSL and MB4000JFDSN Drives	CP048347.zip	MB2000JFDSL	HPD4 (I)	HPD4	更新
1300	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFDSL and MB4000JFDSN Drives	CP048347.zip	MB4000JFDSN	HPD4 (I)	HPD4	更新
1301	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFEML and MB4000JFEMN Drives	CP048361.zip	MB2000JFEML	HPD6 (I)	HPD6	更新
1302	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFEML and MB4000JFEMN Drives	CP048361.zip	MB4000JFEMN	HPD6 (I)	HPD6	更新
1303	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFEPA and MB4000JFEPB Drives	CP048362.zip	MB2000JFEPA	HPD5 (I)	HPD5	更新
1304	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFEPA and MB4000JFEPB Drives	CP048362.zip	MB4000JFEPB	HPD5 (I)	HPD5	更新
1305	Online HDD/SSD Flash Component for VMware ESXi - MB4000JEFNC and MB6000JEFND Drives	CP048367.zip	MB4000JEFNC	HPD9 (I)	HPD9	更新
1306	Online HDD/SSD Flash Component for VMware ESXi - MB4000JEFNC and MB6000JEFND Drives	CP048367.zip	MB6000JEFND	HPD9 (I)	HPD9	更新
1307	Online HDD/SSD Flash Component for VMware ESXi - MB4000JEQNL and MB6000JEQNN Drives	CP048368.zip	MB4000JEQNL	HPDB (I)	HPDB	更新
1308	Online HDD/SSD Flash Component for VMware ESXi - MB4000JEQNL and MB6000JEQNN Drives	CP048368.zip	MB6000JEQNN	HPDB (I)	HPDB	更新
1309	Online HDD/SSD Flash Component for VMware ESXi - MB4000JEXYA and MB6000JEXYB Drives	CP048369.zip	MB4000JEXYA	HPD9 (F)	HPD9	更新
1310	Online HDD/SSD Flash Component for VMware ESXi - MB4000JEXYA and MB6000JEXYB Drives	CP048369.zip	MB6000JEXYB	HPD9 (F)	HPD9	更新
1311	Online HDD/SSD Flash Component for VMware ESXi - MB6000JEQUV and MB8000JEQVA Drives	CP048378.zip	MB6000JEQUV	HPDB (I)	HPDB	更新
1312	Online HDD/SSD Flash Component for VMware ESXi - MB6000JEQUV and MB8000JEQVA Drives	CP048378.zip	MB8000JEQVA	HPDB (I)	HPDB	更新
1313	Online HDD/SSD Flash Component for VMware ESXi - MB6000JVYV Drive	CP048379.zip	MB6000JVYV	HPD2 (I)	HPD2	更新
1314	Online HDD/SSD Flash Component for VMware ESXi - MB6000JVYZD and MB4000JVYZC Drives	CP048380.zip	MB6000JVYZD	HPD4 (G)	HPD4	更新
1315	Online HDD/SSD Flash Component for VMware ESXi - MB6000JVYZD and	CP048380.zip	MB4000JVYZC	HPD4 (G)	HPD4	更新

	MB4000JVYZC Drives					
1316	Online HDD/SSD Flash Component for VMware ESXi - MB8000JFECQ Drive	CP048382.zip	MB8000JFECQ	HPD7 (H)	HPD7	更新
1317	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives	CP048391.zip	MM1000JEFRB	HPD9 (B)	HPD9	更新
1318	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives	CP048391.zip	MM2000JEFRC	HPD9 (B)	HPD9	更新
1319	Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH and MM002000JWCNF Drives	CP048392.zip	MM1000JFJTH	HPD4 (B)	HPD4	更新
1320	Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH and MM002000JWCNF Drives	CP048392.zip	MM002000JWCN F	HPD4 (B)	HPD4	更新
1321	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP048393.zip	MO000400JWFV N	HPD5 (F)	HPD5	更新
1322	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP048393.zip	MO000800JWFV P	HPD5 (F)	HPD5	更新
1323	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP048393.zip	MO001600JWFV Q	HPD5 (F)	HPD5	更新
1324	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP048393.zip	MO003200JWFV R	HPD5 (F)	HPD5	更新
1325	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	CP048393.zip	MO000960JWFV T	HPD5 (F)	HPD5	更新
1326	Online HDD/SSD Flash	CP048393.zip	MO001920JWFV W	HPD5 (F)	HPD5	更新

	Component for VMware ESXi - MO000400JFWFN, MO000800JFWFP, MO001600JFWFQ, MO003200JFWFR, MO000960JFWFT, MO001920JFWFU and MO003840JFWFV Drives		U			
1327	Online HDD/SSD Flash Component for VMware ESXi - MO000400JFWFN, MO000800JFWFP, MO001600JFWFQ, MO003200JFWFR, MO000960JFWFT, MO001920JFWFU and MO003840JFWFV Drives	CP048393.zip	MO003840JFWFV	HPD5 (F)	HPD5	更新
1328	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	CP048397.zip	MO000400JWUFT	HPD3 (C)	HPD3	更新
1329	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	CP048397.zip	MO000800JWUFU	HPD3 (C)	HPD3	更新
1330	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	CP048397.zip	MO001600JWUFV	HPD3 (C)	HPD3	更新
1331	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	CP048397.zip	MO003200JWUGA	HPD3 (C)	HPD3	更新
1332	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and	CP048397.zip	MO006400JWUGB	HPD3 (C)	HPD3	更新

	EO001600JWUGE Drives					
1333	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	CP048397.zip	EO000400JWUGC	HPD3 (C)	HPD3	更新
1334	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	CP048397.zip	EO000800JWUGD	HPD3 (C)	HPD3	更新
1335	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	CP048397.zip	EO001600JWUGE	HPD3 (C)	HPD3	更新
1336	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP049157.zip	MO000800JXBEV	HPD1 (B)	HPD1	新規追加
1337	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP049157.zip	MO001600JXBFP	HPD1 (B)	HPD1	新規追加
1338	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA,	CP049157.zip	MO003200JXBFQ	HPD1 (B)	HPD1	新規追加



	MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives					
1339	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP049157.zip	MO006400JXBFR	HPD1 (B)	HPD1	新規追加
1340	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP049157.zip	MO000960JXBFA	HPD1 (B)	HPD1	新規追加
1341	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP049157.zip	MO001920JXBFT	HPD1 (B)	HPD1	新規追加
1342	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP049157.zip	MO003840JXBFU	HPD1 (B)	HPD1	新規追加
1343	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV,	CP049157.zip	MO007680JXBGA	HPD1 (B)	HPD1	新規追加

	MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives					
1344	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP049157.zip	MO0015360JXBFV	HPD1 (B)	HPD1	新規追加
1345	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP049157.zip	EO000400JXBEU	HPD1 (B)	HPD1	新規追加
1346	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP049157.zip	EO000800JXBFL	HPD1 (B)	HPD1	新規追加
1347	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and	CP049157.zip	EO001600JXBFN	HPD1 (B)	HPD1	新規追加

	EO001600JXBFN Drives					
1348	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP048401.zip	EO0800JEFPF	HPD3 (I)	HPD3	更新
1349	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP048401.zip	EO0400JEFPE	HPD3 (I)	HPD3	更新
1350	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP048401.zip	EO0200JEFPD	HPD3 (I)	HPD3	更新
1351	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP048401.zip	MO1600JEFPC	HPD3 (I)	HPD3	更新
1352	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP048401.zip	MO0800JEFPB	HPD3 (I)	HPD3	更新
1353	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP048401.zip	MO0400JEFPA	HPD3 (I)	HPD3	更新
1354	Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	CP048401.zip	MO0200JEFNV	HPD3 (I)	HPD3	更新
1355	Online HDD/SSD Flash Component for VMware ESXi - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	CP048439.zip	MO0400JFFCF	HPD9 (D)	HPD9	更新
1356	Online HDD/SSD Flash Component for VMware ESXi - MO0400JFFCF,	CP048439.zip	MO0800JFFCH	HPD9 (D)	HPD9	更新

	MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives					
1357	Online HDD/SSD Flash Component for VMware ESXi - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	CP048439.zip	MO1600JFFCK	HPD9 (D)	HPD9	更新
1358	Online HDD/SSD Flash Component for VMware ESXi - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	CP048439.zip	MO3200JFFCL	HPD9 (D)	HPD9	更新
1359	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP048446.zip	VK000960JWSSQ	HPD8 (E)	HPD8	更新
1360	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP048446.zip	VK001920JWSSR	HPD8 (E)	HPD8	更新
1361	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP048446.zip	VK003840JWSST	HPD8 (E)	HPD8	更新
1362	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP048446.zip	VK007680JWSSU	HPD8 (E)	HPD8	更新
1363	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP048446.zip	VO015300JWSSV	HPD8 (E)	HPD8	更新
1364	Online HDD/SSD Flash Component for VMware ESXi - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	CP049410.zip	VK0400JEABD	HPD4 (B)	HPD4	新規追加
1365	Online HDD/SSD Flash Component for VMware ESXi - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	CP049410.zip	VK0800JEABE	HPD4 (B)	HPD4	新規追加
1366	Online HDD/SSD Flash Component for VMware ESXi - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	CP049410.zip	VO1600JEABF	HPD4 (B)	HPD4	新規追加
1367	Online HDD/SSD Flash	CP048445.zip	VO000480JWDAR	HPD8 (G)	HPD8	更新

	Component for VMware ESXi - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives					
1368	Online HDD/SSD Flash Component for VMware ESXi - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	CP048445.zip	VO000960JWDAT	HPD8 (G)	HPD8	更新
1369	Online HDD/SSD Flash Component for VMware ESXi - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	CP048445.zip	VO001920JWDAU	HPD8 (G)	HPD8	更新
1370	Online HDD/SSD Flash Component for VMware ESXi - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	CP048445.zip	VO003840JWDAV	HPD8 (G)	HPD8	更新
1371	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP048454.zip	VO000800JWZJP	HPD4 (B)	HPD4	更新
1372	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP048454.zip	VO001600JWZJQ	HPD4 (B)	HPD4	更新
1373	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP048454.zip	VO003200JWZJR	HPD4 (B)	HPD4	更新
1374	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP048454.zip	VO006400JWZJT	HPD4 (B)	HPD4	更新
1375	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTCV, EO000800JWTCB, EO001600JWTCB Drives	CP049147.zip	VO000960JWTBK	HPD9 (B)	HPD9	更新
1376	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN,	CP049147.zip	VO001920JWTBL	HPD9 (B)	HPD9	更新

	VO007680JWTPB, MO000400JWTBQ, MO000800JWTPB, MO001600JWTPB, MO003200JWTPB, MO006400JWTPC, EO000400JWTPB, EO000800JWTPC, EO001600JWTPC Drives					
1377	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTPB, VO001920JWTPB, VO003840JWTPB, VO007680JWTPB, MO000400JWTBQ, MO000800JWTPB, MO001600JWTPB, MO003200JWTPB, MO006400JWTPC, EO000400JWTPB, EO000800JWTPC, EO001600JWTPC Drives	CP049147.zip	VO003840JWTPB	HPD9 (B)	HPD9	更新
1378	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTPB, VO001920JWTPB, VO003840JWTPB, VO007680JWTPB, MO000400JWTBQ, MO000800JWTPB, MO001600JWTPB, MO003200JWTPB, MO006400JWTPC, EO000400JWTPB, EO000800JWTPC, EO001600JWTPC Drives	CP049147.zip	VO007680JWTPB	HPD9 (B)	HPD9	更新
1379	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTPB, VO001920JWTPB, VO003840JWTPB, VO007680JWTPB, MO000400JWTBQ, MO000800JWTPB, MO001600JWTPB, MO003200JWTPB, MO006400JWTPC, EO000400JWTPB, EO000800JWTPC, EO001600JWTPC Drives	CP049147.zip	MO000400JWTPB Q	HPD9 (B)	HPD9	更新
1380	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTPB, VO001920JWTPB, VO003840JWTPB, VO007680JWTPB, MO000400JWTBQ, MO000800JWTPB, MO001600JWTPB, MO003200JWTPB, MO006400JWTPC, EO000400JWTPB, EO000800JWTPC, EO001600JWTPC Drives	CP049147.zip	MO000800JWTPB	HPD9 (B)	HPD9	更新
1381	Online HDD/SSD Flash	CP049147.zip	MO001600JWTPB	HPD9 (B)	HPD9	更新

	Component for VMware ESXi - VO000960JWBK, VO001920JWBK, VO003840JWBK, VO007680JWBK, MO000400JWBQ, MO000800JWBK, MO001600JWBK, MO003200JWBK, MO006400JWBK, EO000400JWBV, EO000800JWBK, EO001600JWBK Drives					
1382	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBK, VO001920JWBK, VO003840JWBK, VO007680JWBK, MO000400JWBQ, MO000800JWBK, MO001600JWBK, MO003200JWBK, MO006400JWBK, EO000400JWBV, EO000800JWBK, EO001600JWBK Drives	CP049147.zip	MO003200JWBK	HPD9 (B)	HPD9	更新
1383	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBK, VO001920JWBK, VO003840JWBK, VO007680JWBK, MO000400JWBQ, MO000800JWBK, MO001600JWBK, MO003200JWBK, MO006400JWBK, EO000400JWBV, EO000800JWBK, EO001600JWBK Drives	CP049147.zip	MO006400JWBK	HPD9 (B)	HPD9	更新
1384	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBK, VO001920JWBK, VO003840JWBK, VO007680JWBK, MO000400JWBQ, MO000800JWBK, MO001600JWBK, MO003200JWBK, MO006400JWBK, EO000400JWBV, EO000800JWBK, EO001600JWBK Drives	CP049147.zip	EO000400JWBV	HPD9 (B)	HPD9	更新
1385	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBK, VO001920JWBK, VO003840JWBK, VO007680JWBK, MO000400JWBQ, MO000800JWBK, MO001600JWBK, MO003200JWBK, MO006400JWBK,	CP049147.zip	EO000800JWBK	HPD9 (B)	HPD9	更新

	EO000400JWTVB, EO000800JWTVCA, EO001600JWTVCB Drives					
1386	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTVBK, VO001920JWTVBL, VO003840JWTVBN, VO007680JWTVBP, MO000400JWTVBQ, MO000800JWTVBR, MO001600JWTVBT, MO003200JWTVBU, MO006400JWTVCD, EO000400JWTVB, EO000800JWTVCA, EO001600JWTVCB Drives	CP049147.zip	EO001600JWTVCB	HPD9 (B)	HPD9	更新
1387	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTVBK, VO001920JWTVBL, VO003840JWTVBN, VO007680JWTVBP, MO000400JWTVBQ, MO000800JWTVBR, MO001600JWTVBT, MO003200JWTVBU, MO006400JWTVCD, EO000400JWTVB, EO000800JWTVCA, EO001600JWTVCB Drives	CP049147.zip	EO003200JWTVCC	HPD9 (B)	HPD9	更新
1388	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTVBK, VO001920JWTVBL, VO003840JWTVBN, VO007680JWTVBP, MO000400JWTVBQ, MO000800JWTVBR, MO001600JWTVBT, MO003200JWTVBU, MO006400JWTVCD, EO000400JWTVB, EO000800JWTVCA, EO001600JWTVCB Drives	CP049147.zip	MO001920JWVW WV	HPD9 (B)	HPD9	更新
1389	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP048455.zip	VO000960JWZJF	HPD4 (B)	HPD4	更新
1390	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP048455.zip	VO001920JWZJH	HPD4 (B)	HPD4	更新
1391	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP048455.zip	VO003840JWZJK	HPD4 (B)	HPD4	更新



1392	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP048455.zip	VO007680JWZJL	HPD4 (B)	HPD4	更新
1393	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP048455.zip	VO015360JWZJN	HPD4 (B)	HPD4	更新
1394	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP049363.zip	VO000960RWUEV	HPD6	HPD6	更新
1395	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP049363.zip	VO001920RWUFA	HPD6	HPD6	更新
1396	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP049363.zip	VO003840RWUFB	HPD6	HPD6	更新
1397	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP049363.zip	VO007680RWUFC	HPD6	HPD6	更新
1398	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP049363.zip	VO000960RWUFD	HPD6	HPD6	更新
1399	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD,	CP049363.zip	VO001920RWUFE	HPD6	HPD6	更新

	VO001920RWUFE and VO003840RWUFF Drives					
1400	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP049363.zip	VO003840RWUFF	HPD6	HPD6	更新
1401	Online HDD/SSD Flash Component for VMware ESXi - VO007680JWCNK and VO015300JWCNL Drives	CP048415.zip	VO007680JWCNK	HPD8 (E)	HPD8	更新
1402	Online HDD/SSD Flash Component for VMware ESXi - VO007680JWCNK and VO015300JWCNL Drives	CP048415.zip	VO015300JWCNL	HPD8 (E)	HPD8	更新
1403	Online HDD/SSD Flash Component for VMware ESXi - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	CP048437.zip	VO0480JFDGT	HPD9 (D)	HPD9	更新
1404	Online HDD/SSD Flash Component for VMware ESXi - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	CP048437.zip	VO0960JFDGU	HPD9 (D)	HPD9	更新
1405	Online HDD/SSD Flash Component for VMware ESXi - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	CP048437.zip	VO1920JFDGV	HPD9 (D)	HPD9	更新
1406	Online HDD/SSD Flash Component for VMware ESXi - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	CP048437.zip	VO3840JFDHA	HPD9 (D)	HPD9	更新
1407	Online HDD/SSD Flash Component for VMware ESXi - VO1920JEUQQ Drive	CP048419.zip	VO1920JEUQQ	HPD3 (I)	HPD3	更新
1408	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTE and MB010000JWRTE Drives	CP048340.zip	MB014000JWRTH	HPD2 (F)	HPD2	更新
1409	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTE and MB010000JWRTE Drives	CP048340.zip	MB012000JWRTE	HPD2 (F)	HPD2	更新
1410	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTE and MB010000JWRTE Drives	CP048340.zip	MB010000JWRTE	HPD2 (F)	HPD2	更新
1411	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWBHR Drive	cp048436.exe	EG000300JWBHR	HPD5 (B)	HPD5	更新
1412	Online HDD/SSD Flash	cp048433.exe	EG000300JWFVB	HPD3 (B)	HPD3	更新

	Component for Windows (x64) - EG000300JWFVB Drive					
1413	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	cp049143.exe	EG000300JWSJP	HPD4 (B)	HPD4	更新
1414	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	cp049143.exe	EG000600JWJNH	HPD4 (B)	HPD4	更新
1415	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	cp049143.exe	EG001200JWJNK	HPD4 (B)	HPD4	更新
1416	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWEBH and EG000300JWEBF Drives	cp049346.exe	EG000600JWEBH	HPD5 (B)	HPD5	新規追加
1417	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWEBH and EG000300JWEBF Drives	cp049346.exe	EG000300JWEBF	HPD5 (B)	HPD5	新規追加
1418	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWFUV and EG001200JWFVA Drives	cp048452.exe	EG000600JWFUV	HPD4 (B)	HPD4	更新
1419	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWFUV and EG001200JWFVA Drives	cp048452.exe	EG001200JWFVA	HPD4 (B)	HPD4	更新
1420	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP and EG001200JWJNQ Drives	cp048457.exe	EG000600JWJNP	HPD4 (B)	HPD4	更新
1421	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP and EG001200JWJNQ Drives	cp048457.exe	EG001200JWJNQ	HPD4 (B)	HPD4	更新
1422	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWFVC Drive	cp048459.exe	EG001800JWFVC	HPD4 (B)	HPD4	更新
1423	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives	cp049140.exe	EG001800JWJNL	HPD4 (B)	HPD4	更新
1424	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives	cp049140.exe	EG002400JWJNN	HPD4 (B)	HPD4	更新
1425	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR and EG002400JWJNT Drives	cp048242.exe	EG001800JWJNR	HPD6 (B)	HPD6	更新
1426	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR and EG002400JWJNT Drives	cp048242.exe	EG002400JWJNT	HPD6 (B)	HPD6	更新
1427	Online HDD/SSD Flash Component for Windows (x64) - EG0300FCSPH, EG0450FCSPK, EG0600FCSP and EG0900FCSPN Drives	cp048481.exe	EG0300FCSPH	HPD2 (G)	HPD2	更新
1428	Online HDD/SSD Flash	cp048481.exe	EG0450FCSPK	HPD2 (G)	HPD2	更新

	Component for Windows (x64) - EG0300FCSPH, EG0450FCSPK, EG0600FCSPN and EG0900FCSPN Drives					
1429	Online HDD/SSD Flash Component for Windows (x64) - EG0300FCSPH, EG0450FCSPK, EG0600FCSPN and EG0900FCSPN Drives	cp048481.exe	EG0600FCSPN	HPD2 (G)	HPD2	更新
1430	Online HDD/SSD Flash Component for Windows (x64) - EG0300FCSPH, EG0450FCSPK, EG0600FCSPN and EG0900FCSPN Drives	cp048481.exe	EG0900FCSPN	HPD2 (G)	HPD2	更新
1431	Online HDD/SSD Flash Component for Windows (x64) - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB and EG1200JEHMC Drives	cp048482.exe	EG0300JEHLV	HPD5 (H)	HPD5	更新
1432	Online HDD/SSD Flash Component for Windows (x64) - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB and EG1200JEHMC Drives	cp048482.exe	EG0600JEHMA	HPD5 (H)	HPD5	更新
1433	Online HDD/SSD Flash Component for Windows (x64) - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB and EG1200JEHMC Drives	cp048482.exe	EG0900JEHMB	HPD5 (H)	HPD5	更新
1434	Online HDD/SSD Flash Component for Windows (x64) - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB and EG1200JEHMC Drives	cp048482.exe	EG1200JEHMC	HPD5 (H)	HPD5	更新
1435	Online HDD/SSD Flash Component for Windows (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	cp048483.exe	EG0600JEMCV	HPD6 (G)	HPD6	更新
1436	Online HDD/SSD Flash Component for Windows (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	cp048483.exe	EG1200JEMDA	HPD6 (G)	HPD6	更新
1437	Online HDD/SSD Flash Component for Windows (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	cp048483.exe	EG0300JFCKA	HPD6 (G)	HPD6	更新
1438	Online HDD/SSD Flash Component for Windows (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives	cp048483.exe	EG0900JFCKB	HPD6 (G)	HPD6	更新
1439	Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	cp048485.exe	EG0600JETKA	HPD8 (B)	HPD8	更新
1440	Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA,	cp048485.exe	EG0900JETKB	HPD8 (B)	HPD8	更新

	EG0900JETKB and EG1200JETKC Drives					
1441	Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	cp048485.exe	EG1200JETKC	HPD8 (B)	HPD8	更新
1442	Online HDD/SSD Flash Component for Windows (x64) - EG1800JEHMD Drive	cp048507.exe	EG1800JEHMD	HPD6 (H)	HPD6	更新
1443	Online HDD/SSD Flash Component for Windows (x64) - EG1800JEMDB Drive	cp048508.exe	EG1800JEMDB	HPD5 (G)	HPD5	更新
1444	Online HDD/SSD Flash Component for Windows (x64) - EG1800JFHMH Drive	cp048509.exe	EG1800JFHMH	HPD8 (B)	HPD8	更新
1445	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp048510.exe	EH000300JWCPK	HPD7 (B)	HPD7	更新
1446	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp048510.exe	EH000600JWCPL	HPD7 (B)	HPD7	更新
1447	Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives	cp048510.exe	EH000900JWCPN	HPD7 (B)	HPD7	更新
1448	Online HDD/SSD Flash Component for Windows (x64) - EH000600JWCPF and EH000900JWCPH Drives	cp048516.exe	EH000900JWCPH	HPD9 (B)	HPD9	更新
1449	Online HDD/SSD Flash Component for Windows (x64) - EH000600JWCPF and EH000900JWCPH Drives	cp048516.exe	EH000600JWCPF	HPD9 (B)	HPD9	更新
1450	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPK and EH000600JWHPH Drives	cp049134.exe	EH000900JWHPK	HPD7 (B)	HPD7	更新
1451	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPK and EH000600JWHPH Drives	cp049134.exe	EH000600JWHPH	HPD7 (B)	HPD7	更新
1452	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPH, EH000600JWHPN and EH000300JWHPL Drives	cp049138.exe	EH000900JWHPH	HPD7 (B)	HPD7	更新
1453	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPH, EH000600JWHPN and EH000300JWHPL Drives	cp049138.exe	EH000600JWHPN	HPD7 (B)	HPD7	更新
1454	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPH, EH000600JWHPN and EH000300JWHPL Drives	cp049138.exe	EH000300JWHPL	HPD7 (B)	HPD7	更新
1455	Online HDD/SSD Flash Component for Windows (x64) - EH0300JDXBA, EH0450JDXBB and	cp048517.exe	EH0300JDXBA	HPD5 (G)	HPD5	更新

	EH0600JDXBC Drives					
1456	Online HDD/SSD Flash Component for Windows (x64) - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives	cp048517.exe	EH0450JDXBB	HPD5 (G)	HPD5	更新
1457	Online HDD/SSD Flash Component for Windows (x64) - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives	cp048517.exe	EH0600JDXBC	HPD5 (G)	HPD5	更新
1458	Online HDD/SSD Flash Component for Windows (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	cp048515.exe	EH0300JDYTH	HPD6 (H)	HPD6	更新
1459	Online HDD/SSD Flash Component for Windows (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	cp048515.exe	EH0450JDYTK	HPD6 (H)	HPD6	更新
1460	Online HDD/SSD Flash Component for Windows (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives	cp048515.exe	EH0600JDYTL	HPD6 (H)	HPD6	更新
1461	Online HDD/SSD Flash Component for Windows (x64) - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives	cp048520.exe	EH0300JEDHC	HPD4 (I)	HPD4	更新
1462	Online HDD/SSD Flash Component for Windows (x64) - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives	cp048520.exe	EH0450JEDHD	HPD4 (I)	HPD4	更新
1463	Online HDD/SSD Flash Component for Windows (x64) - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives	cp048520.exe	EH0600JEDHE	HPD4 (I)	HPD4	更新
1464	Online HDD/SSD Flash Component for Windows (x64) - EH0600JDYTN Drive	cp048553.exe	EH0600JDYTN	HPD7 (F)	HPD7	更新
1465	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp048651.exe	EK0800JVYPN	HPD7 (D)	HPD7	更新
1466	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp048651.exe	EO1600JVYPP	HPD7 (D)	HPD7	更新
1467	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp048651.exe	MK0800JVYPQ	HPD7 (D)	HPD7	更新
1468	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp048651.exe	MO1600JVYPR	HPD7 (D)	HPD7	更新
1469	Online HDD/SSD Flash Component for Windows	cp048555.exe	EO000400JWDKP	HPD2 (E)	HPD2	更新

	(x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives					
1470	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp048555.exe	EO000800JWDKQ	HPD2 (E)	HPD2	更新
1471	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp048555.exe	EO001600JWDKR	HPD2 (E)	HPD2	更新
1472	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp048555.exe	MO000400JWDK U	HPD2 (E)	HPD2	更新
1473	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp048555.exe	MO000800JWDK V	HPD2 (E)	HPD2	更新
1474	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp048555.exe	MO001600JWDLA	HPD2 (E)	HPD2	更新
1475	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp048555.exe	MO003200JWDLB	HPD2 (E)	HPD2	更新
1476	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH,	cp049162.exe	EO000400PXDBQ	HPD1 (B)	HPD1	新規追加

	MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives					
1477	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCD, EO001600PXDCD, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp049162.exe	EO000800PXDCD	HPD1 (B)	HPD1	新規追加
1478	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCD, EO001600PXDCD, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp049162.exe	EO001600PXDCD	HPD1 (B)	HPD1	新規追加
1479	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCD, EO001600PXDCD, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp049162.exe	MO000800PXDBP	HPD1 (B)	HPD1	新規追加
1480	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCD, EO001600PXDCD, MO000800PXDBP, MO001600PXDCD, MO003200PXDCD, MO006400PXDCD, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp049162.exe	MO001600PXDCD	HPD1 (B)	HPD1	新規追加
1481	Online HDD/SSD Flash	cp049162.exe	MO003200PXDCD	HPD1 (B)	HPD1	新規追加



	Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives					
1482	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp049162.exe	MO006400PXDCE	HPD1 (B)	HPD1	新規追加
1483	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp049162.exe	VO000960PXDBN	HPD1 (B)	HPD1	新規追加
1484	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR, VO003840PXDDBT, VO007680PXDDBU and VO015300PXDDBV Drives	cp049162.exe	VO001920PXDDBR	HPD1 (B)	HPD1	新規追加
1485	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDDBR,	cp049162.exe	VO003840PXDDBT	HPD1 (B)	HPD1	新規追加

	VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives					
1486	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp049162.exe	VO007680PXDBU	HPD1 (B)	HPD1	新規追加
1487	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCC, MO003200PXDCC, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp049162.exe	VO015300PXDBV	HPD1 (B)	HPD1	新規追加
1488	Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives	cp048560.exe	MB002000JWFVN	HPD4 (B)	HPD4	更新
1489	Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives	cp048560.exe	MB004000JWFVP	HPD4 (B)	HPD4	更新
1490	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWFVK and MB006000JWFVL Drives	cp048562.exe	MB004000JWFVK	HPD4 (B)	HPD4	更新
1491	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWFVK and MB006000JWFVL Drives	cp048562.exe	MB006000JWFVL	HPD4 (B)	HPD4	更新
1492	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWKGU Drive	cp048666.exe	MB004000JWKGU	HPD2 (B)	HPD2	更新
1493	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives	cp048653.exe	MB004000JWWQ B	HPD6 (B)	HPD6	更新
1494	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives	cp048653.exe	MB002000JWWQ A	HPD6 (B)	HPD6	更新
1495	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives	cp048653.exe	MB001000JWWP V	HPD6 (B)	HPD6	更新

1496	Online HDD/SSD Flash Component for Windows (x64) - MB006000JWKGN Drive	cp048677.exe	MB006000JWKGN	HPD2 (B)	HPD2	更新
1497	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWJRQ and MB006000JWJRP Drives	cp049130.exe	MB008000JWJRQ	HPD9 (B)	HPD9	更新
1498	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWJRQ and MB006000JWJRP Drives	cp049130.exe	MB006000JWJRP	HPD9 (B)	HPD9	更新
1499	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWRD Drive	cp048670.exe	MB008000JWRD	HPD2 (B)	HPD2	更新
1500	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp048649.exe	MB008000JWWQP	HPD6 (B)	HPD6	更新
1501	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp048649.exe	MB006000JWWQN	HPD6 (B)	HPD6	更新
1502	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWAYK and MB008000JWAYH Drives	cp048672.exe	MB010000JWAYK	HPD6 (B)	HPD6	更新
1503	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWAYK and MB008000JWAYH Drives	cp048672.exe	MB008000JWAYH	HPD6 (B)	HPD6	更新
1504	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp049052.exe	MB010000JWZHA	HPD2 (B)	HPD2	新規追加
1505	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp049052.exe	MB012000JWZHB	HPD2 (B)	HPD2	新規追加
1506	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp049052.exe	MB014000JWZHC	HPD2 (B)	HPD2	新規追加
1507	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp049052.exe	MB016000JWZHE	HPD2 (B)	HPD2	新規追加
1508	Online HDD/SSD Flash Component for Windows (x64) - MB012000JWDFD Drive	cp048634.exe	MB012000JWDFD	HPD3 (B)	HPD3	更新
1509	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTH and	cp048547.exe	MB014000JWRTH	HPD2 (E)	HPD2	更新

	MB010000JWRTE Drives					
1510	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	cp048547.exe	MB012000JWRTF	HPD2 (E)	HPD2	更新
1511	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	cp048547.exe	MB010000JWRTE	HPD2 (E)	HPD2	更新
1512	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWTFD and MB012000JWTFD Drives	cp049123.exe	MB014000JWTFD	HPD8 (B)	HPD8	新規追加
1513	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWTFD and MB012000JWTFD Drives	cp049123.exe	MB012000JWTFD	HPD8 (B)	HPD8	新規追加
1514	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWUDB Drive	cp048563.exe	MB014000JWUDB	HPD3 (B)	HPD3	更新
1515	Online HDD/SSD Flash Component for Windows (x64) - MB016000JWXKH Drive	cp049126.exe	MB016000JWXKH	HPD9 (B)	HPD9	新規追加
1516	Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives	cp049254.exe	MB016000JXLBA	HPD2	HPD2	新規追加
1517	Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives	cp049254.exe	MB018000JXLAU	HPD2	HPD2	新規追加
1518	Online HDD/SSD Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	cp048569.exe	MB1000JVYZL	HPD3 (E)	HPD3	更新
1519	Online HDD/SSD Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	cp048569.exe	MB2000JVYZN	HPD3 (E)	HPD3	更新
1520	Online HDD/SSD Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	cp048569.exe	MB3000JVYZP	HPD3 (E)	HPD3	更新
1521	Online HDD/SSD Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives	cp048569.exe	MB4000JVYZQ	HPD3 (E)	HPD3	更新
1522	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFDSL and MB4000JFDSN Drives	cp048589.exe	MB2000JFDSL	HPD4 (G)	HPD4	更新
1523	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFDSL and MB4000JFDSN Drives	cp048589.exe	MB4000JFDSN	HPD4 (G)	HPD4	更新
1524	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFEML and	cp048590.exe	MB2000JFEML	HPD6 (G)	HPD6	更新

	MB4000JFEMN Drives					
1525	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFEML and MB4000JFEMN Drives	cp048590.exe	MB4000JFEMN	HPD6 (G)	HPD6	更新
1526	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFEPA and MB4000JFEPB Drives	cp048591.exe	MB2000JFEPA	HPD5 (G)	HPD5	更新
1527	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFEPA and MB4000JFEPB Drives	cp048591.exe	MB4000JFEPB	HPD5 (G)	HPD5	更新
1528	Online HDD/SSD Flash Component for Windows (x64) - MB4000JEFNC and MB6000JEFND Drives	cp048607.exe	MB4000JEFNC	HPD9 (G)	HPD9	更新
1529	Online HDD/SSD Flash Component for Windows (x64) - MB4000JEFNC and MB6000JEFND Drives	cp048607.exe	MB6000JEFND	HPD9 (G)	HPD9	更新
1530	Online HDD/SSD Flash Component for Windows (x64) - MB4000JEQNL and MB6000JEQNN Drives	cp048608.exe	MB4000JEQNL	HPDB (G)	HPDB	更新
1531	Online HDD/SSD Flash Component for Windows (x64) - MB4000JEQNL and MB6000JEQNN Drives	cp048608.exe	MB6000JEQNN	HPDB (G)	HPDB	更新
1532	Online HDD/SSD Flash Component for Windows (x64) - MB4000JEXYA and MB6000JEXYB Drives	cp048609.exe	MB4000JEXYA	HPD9 (E)	HPD9	更新
1533	Online HDD/SSD Flash Component for Windows (x64) - MB4000JEXYA and MB6000JEXYB Drives	cp048609.exe	MB6000JEXYB	HPD9 (E)	HPD9	更新
1534	Online HDD/SSD Flash Component for Windows (x64) - MB6000JEQUV and MB8000JEQVA Drives	cp048614.exe	MB6000JEQUV	HPDB (G)	HPDB	更新
1535	Online HDD/SSD Flash Component for Windows (x64) - MB6000JEQUV and MB8000JEQVA Drives	cp048614.exe	MB8000JEQVA	HPDB (G)	HPDB	更新
1536	Online HDD/SSD Flash Component for Windows (x64) - MB6000JVYYV Drive	cp048615.exe	MB6000JVYYV	HPD2 (G)	HPD2	更新
1537	Online HDD/SSD Flash Component for Windows (x64) - MB6000JVYZD and MB4000JVYZC Drives	cp048617.exe	MB6000JVYZD	HPD4 (E)	HPD4	更新
1538	Online HDD/SSD Flash Component for Windows (x64) - MB6000JVYZD and MB4000JVYZC Drives	cp048617.exe	MB4000JVYZC	HPD4 (E)	HPD4	更新
1539	Online HDD/SSD Flash Component for Windows (x64) - MB8000JFECQ Drive	cp048619.exe	MB8000JFECQ	HPD7 (F)	HPD7	更新
1540	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp048625.exe	MM1000JEFRB	HPD9 (B)	HPD9	更新
1541	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and	cp048625.exe	MM2000JEFRC	HPD9 (B)	HPD9	更新

	MM2000JEFRC Drives					
1542	Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH and MM002000JWCNF Drives	cp048626.exe	MM1000JFJTH	HPD4 (B)	HPD4	更新
1543	Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH and MM002000JWCNF Drives	cp048626.exe	MM002000JWCNF	HPD4 (B)	HPD4	更新
1544	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	cp048627.exe	MO000400JWFVN	HPD5 (E)	HPD5	更新
1545	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	cp048627.exe	MO000800JWFVP	HPD5 (E)	HPD5	更新
1546	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	cp048627.exe	MO001600JWFVQ	HPD5 (E)	HPD5	更新
1547	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	cp048627.exe	MO003200JWFVR	HPD5 (E)	HPD5	更新
1548	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	cp048627.exe	MO000960JWFVT	HPD5 (E)	HPD5	更新
1549	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	cp048627.exe	MO001920JWFVU	HPD5 (E)	HPD5	更新
1550	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVV Drives	cp048627.exe	MO003840JWFVV	HPD5 (E)	HPD5	更新

	MO000800JWFWP, MO001600JWFQW, MO003200JFWFR, MO000960JFWFT, MO001920JFWFU and MO003840JFWFV Drives					
1551	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp048628.exe	MO000400JWUFT	HPD3 (C)	HPD3	更新
1552	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp048628.exe	MO000800JWUF U	HPD3 (C)	HPD3	更新
1553	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp048628.exe	MO001600JWUFV	HPD3 (C)	HPD3	更新
1554	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp048628.exe	MO003200JWUG A	HPD3 (C)	HPD3	更新
1555	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp048628.exe	MO006400JWUG B	HPD3 (C)	HPD3	更新
1556	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp048628.exe	EO000400JWUGC	HPD3 (C)	HPD3	更新

1557	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp048628.exe	EO000800JWUGD	HPD3 (C)	HPD3	更新
1558	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives	cp048628.exe	EO001600JWUGE	HPD3 (C)	HPD3	更新
1559	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp049152.exe	MO000800JXBEV	HPD1 (B)	HPD1	新規追加
1560	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp049152.exe	MO001600JXBFP	HPD1 (B)	HPD1	新規追加
1561	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp049152.exe	MO003200JXBFO	HPD1 (B)	HPD1	新規追加
1562	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP,	cp049152.exe	MO006400JXBFR	HPD1 (B)	HPD1	新規追加



	MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives					
1563	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp049152.exe	MO000960JXBFA	HPD1 (B)	HPD1	新規追加
1564	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp049152.exe	MO001920JXBFT	HPD1 (B)	HPD1	新規追加
1565	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp049152.exe	MO003840JXBFU	HPD1 (B)	HPD1	新規追加
1566	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp049152.exe	MO007680JXBGA	HPD1 (B)	HPD1	新規追加

1567	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp049152.exe	MO015360JXBFV	HPD1 (B)	HPD1	新規追加
1568	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp049152.exe	EO000400JXBEU	HPD1 (B)	HPD1	新規追加
1569	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp049152.exe	EO000800JXBFL	HPD1 (B)	HPD1	新規追加
1570	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFO, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp049152.exe	EO001600JXBFN	HPD1 (B)	HPD1	新規追加
1571	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	cp048630.exe	EO0800JEFPF	HPD3 (G)	HPD3	更新
1572	Online HDD/SSD Flash Component for Windows	cp048630.exe	EO0400JEFPE	HPD3 (G)	HPD3	更新

	(x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives					
1573	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	cp048630.exe	EO0200JEFPD	HPD3 (G)	HPD3	更新
1574	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	cp048630.exe	MO1600JEFPC	HPD3 (G)	HPD3	更新
1575	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	cp048630.exe	MO0800JEFPB	HPD3 (G)	HPD3	更新
1576	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	cp048630.exe	MO0400JEFPA	HPD3 (G)	HPD3	更新
1577	Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives	cp048630.exe	MO0200JEFNV	HPD3 (G)	HPD3	更新
1578	Online HDD/SSD Flash Component for Windows (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	cp048661.exe	MO0400JFFCF	HPD9 (D)	HPD9	更新
1579	Online HDD/SSD Flash Component for Windows (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	cp048661.exe	MO0800JFFCH	HPD9 (D)	HPD9	更新
1580	Online HDD/SSD Flash Component for Windows (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives	cp048661.exe	MO1600JFFCK	HPD9 (D)	HPD9	更新
1581	Online HDD/SSD Flash Component for Windows	cp048661.exe	MO3200JFFCL	HPD9 (D)	HPD9	更新

	(x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives					
1582	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp048665.exe	VK000960JWSSQ	HPD8 (D)	HPD8	更新
1583	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp048665.exe	VK001920JWSSR	HPD8 (D)	HPD8	更新
1584	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp048665.exe	VK003840JWSST	HPD8 (D)	HPD8	更新
1585	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp048665.exe	VK007680JWSSU	HPD8 (D)	HPD8	更新
1586	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp048665.exe	VO015300JWSSV	HPD8 (D)	HPD8	更新
1587	Online HDD/SSD Flash Component for Windows (x64) - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	cp049412.exe	VK0400JEABD	HPD4 (B)	HPD4	新規追加
1588	Online HDD/SSD Flash Component for Windows (x64) - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	cp049412.exe	VK0800JEABE	HPD4 (B)	HPD4	新規追加
1589	Online HDD/SSD Flash Component for Windows (x64) - VK0400JEABD, VK0800JEABE, and VO1600JEABF Drives	cp049412.exe	VO1600JEABF	HPD4 (B)	HPD4	新規追加
1590	Online HDD/SSD Flash Component for Windows (x64) - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	cp044739.exe	VO000480JWDAR	HPD8 (D)	HPD8	更新
1591	Online HDD/SSD Flash Component for Windows (x64) - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	cp044739.exe	VO000960JWDAT	HPD8 (D)	HPD8	更新

1592	Online HDD/SSD Flash Component for Windows (x64) - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	cp044739.exe	VO001920JWDAU	HPD8 (D)	HPD8	更新
1593	Online HDD/SSD Flash Component for Windows (x64) - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives	cp044739.exe	VO003840JWDAV	HPD8 (D)	HPD8	更新
1594	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp048468.exe	VO000800JWZJP	HPD4 (B)	HPD4	更新
1595	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp048468.exe	VO001600JWZJQ	HPD4 (B)	HPD4	更新
1596	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp048468.exe	VO003200JWZJR	HPD4 (B)	HPD4	更新
1597	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp048468.exe	VO006400JWZJT	HPD4 (B)	HPD4	更新
1598	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTV, EO000800JWTV and EO001600JWTV Drives	cp049146.exe	VO000960JWTBK	HPD9 (B)	HPD9	更新
1599	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCB, EO000400JWTV, EO000800JWTV and EO001600JWTV Drives	cp049146.exe	VO001920JWTBL	HPD9 (B)	HPD9	更新
1600	Online HDD/SSD Flash Component for Windows	cp049146.exe	VO003840JWTBN	HPD9 (B)	HPD9	更新

	(x64) - VO000960JWBK, VO001920JWTL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC and EO001600JWTCB Drives					
1601	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWBK, VO001920JWTL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC and EO001600JWTCB Drives	cp049146.exe	VO007680JWBP	HPD9 (B)	HPD9	更新
1602	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWBK, VO001920JWTL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC and EO001600JWTCB Drives	cp049146.exe	MO000400JWB Q	HPD9 (B)	HPD9	更新
1603	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWBK, VO001920JWTL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC and EO001600JWTCB Drives	cp049146.exe	MO000800JWBR	HPD9 (B)	HPD9	更新
1604	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWBK, VO001920JWTL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV,	cp049146.exe	MO001600JWBT	HPD9 (B)	HPD9	更新

	EO000800JWTCa and EO001600JWTCB Drives					
1605	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTCa and EO001600JWTCB Drives	cp049146.exe	MO003200JWTKU	HPD9 (B)	HPD9	更新
1606	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTCa and EO001600JWTCB Drives	cp049146.exe	MO006400JWTKD	HPD9 (B)	HPD9	更新
1607	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTCa and EO001600JWTCB Drives	cp049146.exe	EO000400JWTKV	HPD9 (B)	HPD9	更新
1608	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR, MO001600JWTKT, MO003200JWTKU, MO006400JWTKD, EO000400JWTKV, EO000800JWTCa and EO001600JWTCB Drives	cp049146.exe	EO000800JWTCa	HPD9 (B)	HPD9	更新
1609	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTKB, VO001920JWTKL, VO003840JWTKN, VO007680JWTKP, MO000400JWTKQ, MO000800JWTKR,	cp049146.exe	EO001600JWTKC	HPD9 (B)	HPD9	更新

	MO001600JWBTT, MO003200JWBTTU, MO006400JWBTTD, EO000400JWBTTV, EO000800JWBTTA and EO001600JWBTTB Drives					
1610	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWBTK, VO001920JWBTL, VO003840JWBTN, VO007680JWBTP, MO000400JWBQ, MO000800JWBTR, MO001600JWBTT, MO003200JWBTTU, MO006400JWBTTD, EO000400JWBTTV, EO000800JWBTTA and EO001600JWBTTB Drives	cp049146.exe	EO003200JWBTTCC	HPD9 (B)	HPD9	更新
1611	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWBTK, VO001920JWBTL, VO003840JWBTN, VO007680JWBTP, MO000400JWBQ, MO000800JWBTR, MO001600JWBTT, MO003200JWBTTU, MO006400JWBTTD, EO000400JWBTTV, EO000800JWBTTA and EO001600JWBTTB Drives	cp049146.exe	MO001920JWW WV	HPD9 (B)	HPD9	更新
1612	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp048466.exe	VO000960JWZJF	HPD4 (B)	HPD4	更新
1613	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp048466.exe	VO001920JWZJH	HPD4 (B)	HPD4	更新
1614	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp048466.exe	VO003840JWZJK	HPD4 (B)	HPD4	更新
1615	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp048466.exe	VO007680JWZJL	HPD4 (B)	HPD4	更新
1616	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH,	cp048466.exe	VO015360JWZJN	HPD4 (B)	HPD4	更新



	VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives					
1617	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp049365.exe	VO000960RWUEV	HPD6	HPD6	更新
1618	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp049365.exe	VO001920RWUFA	HPD6	HPD6	更新
1619	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp049365.exe	VO003840RWUFB	HPD6	HPD6	更新
1620	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp049365.exe	VO007680RWUFC	HPD6	HPD6	更新
1621	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp049365.exe	VO000960RWUFD	HPD6	HPD6	更新
1622	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp049365.exe	VO001920RWUFE	HPD6	HPD6	更新
1623	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp049365.exe	VO003840RWUFF	HPD6	HPD6	更新

1624	Online HDD/SSD Flash Component for Windows (x64) - VO007680JWCNK and VO015300JWCNL Drives	cp048644.exe	VO007680JWCNK	HPD8 (D)	HPD8	更新
1625	Online HDD/SSD Flash Component for Windows (x64) - VO007680JWCNK and VO015300JWCNL Drives	cp048644.exe	VO015300JWCNL	HPD8 (D)	HPD8	更新
1626	Online HDD/SSD Flash Component for Windows (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	cp048660.exe	VO0480JFDGT	HPD9 (D)	HPD9	更新
1627	Online HDD/SSD Flash Component for Windows (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	cp048660.exe	VO0960JFDGU	HPD9 (D)	HPD9	更新
1628	Online HDD/SSD Flash Component for Windows (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	cp048660.exe	VO1920JFDGV	HPD9 (D)	HPD9	更新
1629	Online HDD/SSD Flash Component for Windows (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives	cp048660.exe	VO3840JFDHA	HPD9 (D)	HPD9	更新
1630	Online HDD/SSD Flash Component for Windows (x64) - VO1920JEUQQ Drive	cp048645.exe	VO1920JEUQQ	HPD3 (G)	HPD3	更新

### 6.2.16 Firmware - SATA Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1631	Online HDD/SSD Flash Component for Linux (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives	firmware-hdd-5bf9355926-HPG3-7.1.x86_64.rpm	EK000200GWEPD	HPG3 (G)	HPG3	更新
1632	Online HDD/SSD Flash Component for Linux (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives	firmware-hdd-5bf9355926-HPG3-7.1.x86_64.rpm	EK000400GWEPE	HPG3 (G)	HPG3	更新
1633	Online HDD/SSD Flash Component for Linux (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives	firmware-hdd-5bf9355926-HPG3-7.1.x86_64.rpm	EK000800GWEPF	HPG3 (G)	HPG3	更新
1634	Online HDD/SSD Flash Component for Linux (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives	firmware-hdd-5bf9355926-HPG3-7.1.x86_64.rpm	EK001600GWEPH	HPG3 (G)	HPG3	更新

1635	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWCBC and MB002000GWCBD Drives	firmware-hdd-68b12e54d2-HPG6-6.1.x86_64.rpm	MB001000GWCBC	HPG6 (F)	HPG6	更新
1636	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWCBC and MB002000GWCBD Drives	firmware-hdd-68b12e54d2-HPG6-6.1.x86_64.rpm	MB002000GWCBC	HPG6 (F)	HPG6	更新
1637	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWFVK and MB002000GWFVL Drives	firmware-hdd-bfc4af697b-HPG6-5.1.x86_64.rpm	MB001000GWFVK	HPG6 (E)	HPG6	更新
1638	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWFVK and MB002000GWFVL Drives	firmware-hdd-bfc4af697b-HPG6-5.1.x86_64.rpm	MB002000GWFVK	HPG6 (E)	HPG6	更新
1639	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	firmware-hdd-d39e7a7e75-HPG1-6.1.x86_64.rpm	MB001000GWJAN	HPG1 (F)	HPG1	更新
1640	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	firmware-hdd-d39e7a7e75-HPG1-6.1.x86_64.rpm	MB002000GWFVA	HPG1 (F)	HPG1	更新
1641	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFVA and MB004000GWFVB Drives	firmware-hdd-d39e7a7e75-HPG1-6.1.x86_64.rpm	MB004000GWFVB	HPG1 (F)	HPG1	更新
1642	Online HDD/SSD Flash Component for Linux (x64) - MB002000GWFGH and MB001000GWFGF Drives	firmware-hdd-0b575b5895-HPG3-8.1.x86_64.rpm	MB002000GWFGH	HPG3 (H)	HPG3	更新
1643	Online HDD/SSD Flash Component for Linux (x64) - MB002000GWFGH and MB001000GWFGF Drives	firmware-hdd-0b575b5895-HPG3-8.1.x86_64.rpm	MB001000GWFGF	HPG3 (H)	HPG3	更新
1644	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWKGV Drive	firmware-hdd-ca21e169e2-HPG1-5.1.x86_64.rpm	MB004000GWKGV	HPG1 (E)	HPG1	更新
1645	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	firmware-hdd-12304c1aca-HPG3-3.1.x86_64.rpm	MB004000GWWQH	HPG3 (C)	HPG3	更新
1646	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	firmware-hdd-12304c1aca-HPG3-3.1.x86_64.rpm	MB002000GWWQF	HPG3 (C)	HPG3	更新
1647	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	firmware-hdd-12304c1aca-HPG3-3.1.x86_64.rpm	MB001000GWWQE	HPG3 (C)	HPG3	更新
1648	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWBXQ and MB008000GWBXL Drives	firmware-hdd-a1fd19f9ca-HPG8-6.1.x86_64.rpm	MB006000GWBXQ	HPG8 (F)	HPG8	更新
1649	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWBXQ and MB008000GWBXL Drives	firmware-hdd-a1fd19f9ca-HPG8-6.1.x86_64.rpm	MB008000GWBXL	HPG8 (F)	HPG8	更新
1650	Online HDD/SSD Flash	firmware-hdd-	MB006000GWJRR	HPG4 (D)	HPG4	更新

	Component for Linux (x64) - MB006000GWJRR and MB008000GWJRT Drives	c993b31232-HPG4-4.1.x86_64.rpm				
1651	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWJRR and MB008000GWJRT Drives	firmware-hdd-c993b31232-HPG4-4.1.x86_64.rpm	MB008000GWJRT	HPG4 (D)	HPG4	更新
1652	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWKGR Drive	firmware-hdd-7f2a26e6d0-HPG1-5.1.x86_64.rpm	MB006000GWKGR	HPG1 (E)	HPG1	更新
1653	Online HDD/SSD Flash Component for Linux (x64) - MB008000GWRTC Drive	firmware-hdd-82894b9e0a-HPG1-5.1.x86_64.rpm	MB008000GWRTC	HPG1 (E)	HPG1	更新
1654	Online HDD/SSD Flash Component for Linux (x64) - MB008000GWWQU and MB006000GWWQT Drives	firmware-hdd-18e328f036-HPG2-4.1.x86_64.rpm	MB008000GWWQU	HPG2 (D)	HPG2	更新
1655	Online HDD/SSD Flash Component for Linux (x64) - MB008000GWWQU and MB006000GWWQT Drives	firmware-hdd-18e328f036-HPG2-4.1.x86_64.rpm	MB006000GWWQT	HPG2 (D)	HPG2	更新
1656	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWAYN and MB008000GWAYL Drives	firmware-hdd-cc819d4bff-HPG5-7.1.x86_64.rpm	MB010000GWAYN	HPG5 (G)	HPG5	更新
1657	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWAYN and MB008000GWAYL Drives	firmware-hdd-cc819d4bff-HPG5-7.1.x86_64.rpm	MB008000GWAYL	HPG5 (G)	HPG5	更新
1658	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWDFE Drive	firmware-hdd-059b8654a6-HPG3-2.1.x86_64.rpm	MB012000GWDFE	HPG3 (B)	HPG3	更新
1659	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFE Drives	firmware-hdd-b78255e146-HPG7-3.1.x86_64.rpm	MB012000GWTFE	HPG7 (C)	HPG7	更新
1660	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFE Drives	firmware-hdd-b78255e146-HPG7-3.1.x86_64.rpm	MB014000GWTFE	HPG7 (C)	HPG7	更新
1661	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	firmware-hdd-6b7ce3da0e-HPG2-6.1.x86_64.rpm	MB014000GWRTN	HPG2 (F)	HPG2	更新
1662	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	firmware-hdd-6b7ce3da0e-HPG2-6.1.x86_64.rpm	MB012000GWRTL	HPG2 (F)	HPG2	更新
1663	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	firmware-hdd-6b7ce3da0e-HPG2-6.1.x86_64.rpm	MB010000GWRTK	HPG2 (F)	HPG2	更新
1664	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWUDA Drive	firmware-hdd-41cdb1c9da-HPG2-5.1.x86_64.rpm	MB014000GWUDA	HPG2 (E)	HPG2	更新
1665	Online HDD/SSD Flash Component for Linux (x64) - MB016000GWXKK Drive	firmware-hdd-e4f147cdd2-HPG3-2.1.x86_64.rpm	MB016000GWXKK	HPG3 (B)	HPG3	新規追加
1666	Online HDD/SSD Flash Component for Linux (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and	firmware-hdd-3ab4c70e64-HPG4-10.1.x86_64.rpm	MB1000GDUNU	HPG4 (J)	HPG4	更新

	MB4000GDUPB Drives					
1667	Online HDD/SSD Flash Component for Linux (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	firmware-hdd-3ab4c70e64-HPG4-10.1.x86_64.rpm	MB2000GDUNV	HPG4 (J)	HPG4	更新
1668	Online HDD/SSD Flash Component for Linux (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	firmware-hdd-3ab4c70e64-HPG4-10.1.x86_64.rpm	MB3000GDUPA	HPG4 (J)	HPG4	更新
1669	Online HDD/SSD Flash Component for Linux (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	firmware-hdd-3ab4c70e64-HPG4-10.1.x86_64.rpm	MB4000GDUPB	HPG4 (J)	HPG4	更新
1670	Online HDD/SSD Flash Component for Linux (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	firmware-hdd-0a7010918e-HPG4-10.1.x86_64.rpm	MB1000GVYZE	HPG4 (J)	HPG4	更新
1671	Online HDD/SSD Flash Component for Linux (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	firmware-hdd-0a7010918e-HPG4-10.1.x86_64.rpm	MB2000GVYZF	HPG4 (J)	HPG4	更新
1672	Online HDD/SSD Flash Component for Linux (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	firmware-hdd-0a7010918e-HPG4-10.1.x86_64.rpm	MB3000GVYZH	HPG4 (J)	HPG4	更新
1673	Online HDD/SSD Flash Component for Linux (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	firmware-hdd-0a7010918e-HPG4-10.1.x86_64.rpm	MB4000GVYZK	HPG4 (J)	HPG4	更新
1674	Online HDD/SSD Flash Component for Linux (x64) - MB2000GCWLT, MB3000GCWLU and MB4000GCWLV Drives	firmware-hdd-2e70ce7412-HPG4-10.1.x86_64.rpm	MB2000GCWLT	HPG4 (J)	HPG4	更新
1675	Online HDD/SSD Flash Component for Linux (x64) - MB2000GCWLT, MB3000GCWLU and MB4000GCWLV Drives	firmware-hdd-2e70ce7412-HPG4-10.1.x86_64.rpm	MB3000GCWLU	HPG4 (J)	HPG4	更新
1676	Online HDD/SSD Flash Component for Linux (x64) - MB2000GCWLT, MB3000GCWLU and MB4000GCWLV Drives	firmware-hdd-2e70ce7412-HPG4-10.1.x86_64.rpm	MB4000GCWLV	HPG4 (J)	HPG4	更新
1677	Online HDD/SSD Flash Component for Linux (x64) - MB2000GFEMH and MB4000GFEMK Drives	firmware-hdd-70e3962f98-HPG6-9.1.x86_64.rpm	MB2000GFEMH	HPG6 (I)	HPG6	更新
1678	Online HDD/SSD Flash Component for Linux (x64) - MB2000GFEMH and MB4000GFEMK Drives	firmware-hdd-70e3962f98-HPG6-9.1.x86_64.rpm	MB4000GFEMK	HPG6 (I)	HPG6	更新

1679	Online HDD/SSD Flash Component for Linux (x64) - MB4000GEFNA and MB6000GEFNB Drives	firmware-hdd-40277d55d3-HPG6-10.1.x86_64.rpm	MB4000GEFNA	HPG6 (J)	HPG6	更新
1680	Online HDD/SSD Flash Component for Linux (x64) - MB4000GEFNA and MB6000GEFNB Drives	firmware-hdd-40277d55d3-HPG6-10.1.x86_64.rpm	MB6000GEFNB	HPG6 (J)	HPG6	更新
1681	Online HDD/SSD Flash Component for Linux (x64) - MB4000GEQNH and MB6000GEQNK Drives	firmware-hdd-bfc95f0628-HPGB-9.1.x86_64.rpm	MB4000GEQNH	HPGB (I)	HPGB	更新
1682	Online HDD/SSD Flash Component for Linux (x64) - MB4000GEQNH and MB6000GEQNK Drives	firmware-hdd-bfc95f0628-HPGB-9.1.x86_64.rpm	MB6000GEQNK	HPGB (I)	HPGB	更新
1683	Online HDD/SSD Flash Component for Linux (x64) - MB6000GEBTP Drive	firmware-hdd-3243fce9a0-HPG4-9.1.x86_64.rpm	MB6000GEBTP	HPG4 (I)	HPG4	更新
1684	Online HDD/SSD Flash Component for Linux (x64) - MB6000GEQUT and MB8000GEQUU Drives	firmware-hdd-1d7f19120b-HPGB-9.1.x86_64.rpm	MB6000GEQUT	HPGB (I)	HPGB	更新
1685	Online HDD/SSD Flash Component for Linux (x64) - MB6000GEQUT and MB8000GEQUU Drives	firmware-hdd-1d7f19120b-HPGB-9.1.x86_64.rpm	MB8000GEQUU	HPGB (I)	HPGB	更新
1686	Online HDD/SSD Flash Component for Linux (x64) - MB6000GEXXV Drive	firmware-hdd-a629fcea59-HPG2-10.1.x86_64.rpm	MB6000GEXXV	HPG2 (J)	HPG2	更新
1687	Online HDD/SSD Flash Component for Linux (x64) - MB6000GVYYU Drive	firmware-hdd-bdc37cb37f-HPG2-9.1.x86_64.rpm	MB6000GVYYU	HPG2 (I)	HPG2	更新
1688	Online HDD/SSD Flash Component for Linux (x64) - MB6000GVYZB and MB4000GVYZA Drives	firmware-hdd-0a7d4aa47f-HPG4-6.1.x86_64.rpm	MB6000GVYZB	HPG4 (F)	HPG4	更新
1689	Online HDD/SSD Flash Component for Linux (x64) - MB6000GVYZB and MB4000GVYZA Drives	firmware-hdd-0a7d4aa47f-HPG4-6.1.x86_64.rpm	MB4000GVYZA	HPG4 (F)	HPG4	更新
1690	Online HDD/SSD Flash Component for Linux (x64) - MB8000GFECR Drive	firmware-hdd-6d922fc9a8-HPG6-6.1.x86_64.rpm	MB8000GFECR	HPG6 (F)	HPG6	更新
1691	Online HDD/SSD Flash Component for Linux (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFCB Drives	firmware-hdd-7677644a25-HPG3-7.1.x86_64.rpm	MK000240GWCEU	HPG3 (G)	HPG3	更新
1692	Online HDD/SSD Flash Component for Linux (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFCB Drives	firmware-hdd-7677644a25-HPG3-7.1.x86_64.rpm	MK000480GWCEV	HPG3 (G)	HPG3	更新
1693	Online HDD/SSD Flash Component for Linux (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFCB Drives	firmware-hdd-7677644a25-HPG3-7.1.x86_64.rpm	MK000960GWCFA	HPG3 (G)	HPG3	更新
1694	Online HDD/SSD Flash Component for Linux (x64) - MK000240GWCEU, MK000480GWCEV,	firmware-hdd-7677644a25-HPG3-7.1.x86_64.rpm	MK001920GWCFCB	HPG3 (G)	HPG3	更新

	MK000960GWCFA and MK001920GWCFB Drives					
1695	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	firmware-hdd-f693ccc138-HPG3-3.1.x86_64.rpm	MK000480GWSSC	HPG3 (C)	HPG3	更新
1696	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	firmware-hdd-f693ccc138-HPG3-3.1.x86_64.rpm	MK000960GWSSD	HPG3 (C)	HPG3	更新
1697	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	firmware-hdd-f693ccc138-HPG3-3.1.x86_64.rpm	MK001920GWSSE	HPG3 (C)	HPG3	更新
1698	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	firmware-hdd-f693ccc138-HPG3-3.1.x86_64.rpm	MK003840GWSSF	HPG3 (C)	HPG3	更新
1699	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG2-1.1.x86_64.rpm	MK000480GWXFF	HPG2	HPG2	更新
1700	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG2-1.1.x86_64.rpm	MK000960GWXFH	HPG2	HPG2	更新
1701	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG2-1.1.x86_64.rpm	MK001920GWXFK	HPG2	HPG2	更新
1702	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG2-1.1.x86_64.rpm	MK003840GWXFL	HPG2	HPG2	更新
1703	Online HDD/SSD Flash Component for Linux (x64) - MK003840GWHT Drive	firmware-hdd-ac20a1e1c6-HPG8-2.1.x86_64.rpm	MK003840GWHT E	HPG8 (B)	HPG8	更新
1704	Online HDD/SSD Flash Component for Linux (x64) - MK0960GECQK Drive	firmware-hdd-3e34285be7-HPG3-11.1.x86_64.rpm	MK0960GECQK	HPG3 (K)	HPG3	更新
1705	Online HDD/SSD Flash Component for Linux (x64) - MM1000GEFQV and MM2000GEFRA Drives	firmware-hdd-ec908c3650-HPG8-8.1.x86_64.rpm	MM1000GEFQV	HPG8 (H)	HPG8	更新
1706	Online HDD/SSD Flash Component for Linux (x64) - MM1000GEFQV and MM2000GEFRA Drives	firmware-hdd-ec908c3650-HPG8-8.1.x86_64.rpm	MM2000GEFRA	HPG8 (H)	HPG8	更新
1707	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd-95af9a555e-HPG5-	MM1000GFJTE	HPG5 (F)	HPG5	更新

	MM1000GFJTE Drive	6.1.x86_64.rpm				
1708	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	firmware-hdd-9196d4f720-HPGG-2.1.x86_64.rpm	MR000240GWFLU	HPGG (B)	HPGG	更新
1709	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	firmware-hdd-9196d4f720-HPGG-2.1.x86_64.rpm	MR000480GWFLV	HPGG (B)	HPGG	更新
1710	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	firmware-hdd-9196d4f720-HPGG-2.1.x86_64.rpm	VR000480GWFMD	HPGG (B)	HPGG	更新
1711	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	firmware-hdd-9196d4f720-HPGG-2.1.x86_64.rpm	MR000960GWFMA	HPGG (B)	HPGG	更新
1712	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	firmware-hdd-9196d4f720-HPGG-2.1.x86_64.rpm	VR000960GWFME	HPGG (B)	HPGG	更新
1713	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	firmware-hdd-9196d4f720-HPGG-2.1.x86_64.rpm	MR001920GWFMB	HPGG (B)	HPGG	更新
1714	Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	firmware-hdd-9196d4f720-HPGG-2.1.x86_64.rpm	VR001920GWFMC	HPGG (B)	HPGG	更新
1715	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd-6e3845def5-HPG1-	VK000150GWCNN	HPG1 (F)	HPG1	更新



	VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	6.1.x86_64.rpm				
1716	Online HDD/SSD Flash Component for Linux (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	firmware-hdd- 6e3845def5-HPG1- 6.1.x86_64.rpm	VK000240GWCNP	HPG1 (F)	HPG1	更新
1717	Online HDD/SSD Flash Component for Linux (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	firmware-hdd- 6e3845def5-HPG1- 6.1.x86_64.rpm	VK000480GWCN Q	HPG1 (F)	HPG1	更新
1718	Online HDD/SSD Flash Component for Linux (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	firmware-hdd- 6e3845def5-HPG1- 6.1.x86_64.rpm	VK000960GWCNR	HPG1 (F)	HPG1	更新
1719	Online HDD/SSD Flash Component for Linux (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	firmware-hdd- 6e3845def5-HPG1- 6.1.x86_64.rpm	VK001600GWCNT	HPG1 (F)	HPG1	更新
1720	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	firmware-hdd- f42438de3d-HPG3- 7.1.x86_64.rpm	VK000480GWCFE	HPG3 (G)	HPG3	更新
1721	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	firmware-hdd- f42438de3d-HPG3- 7.1.x86_64.rpm	VK000960GWCFE	HPG3 (G)	HPG3	更新
1722	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	firmware-hdd- f42438de3d-HPG3- 7.1.x86_64.rpm	VK000240GWCFD	HPG3 (G)	HPG3	更新
1723	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	firmware-hdd- f42438de3d-HPG3- 7.1.x86_64.rpm	VK001920GWCFH	HPG3 (G)	HPG3	更新
1724	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE,	firmware-hdd- f42438de3d-HPG3- 7.1.x86_64.rpm	VK003840GWCFK	HPG3 (G)	HPG3	更新

	VK001920GWCFH and VK003840GWCFK Drives					
1725	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	firmware-hdd- 3db7640485-HPGG- 2.1.x86_64.rpm	VK000240GWEZB	HPGG (B)	HPGG	更新
1726	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	firmware-hdd- 3db7640485-HPGG- 2.1.x86_64.rpm	VK000480GWEZC	HPGG (B)	HPGG	更新
1727	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	firmware-hdd- 3db7640485-HPGG- 2.1.x86_64.rpm	VK000960GWEZD	HPGG (B)	HPGG	更新
1728	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	firmware-hdd- 3db7640485-HPGG- 2.1.x86_64.rpm	VK001920GWEZE	HPGG (B)	HPGG	更新
1729	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	firmware-hdd- 3db7640485-HPGG- 2.1.x86_64.rpm	MK000240GWEZF	HPGG (B)	HPGG	更新
1730	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	firmware-hdd- 3db7640485-HPGG- 2.1.x86_64.rpm	MK000480GWEZ H	HPGG (B)	HPGG	更新
1731	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC,	firmware-hdd- 3db7640485-HPGG- 2.1.x86_64.rpm	MK000960GWEZK	HPGG (B)	HPGG	更新

	VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives					
1732	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	firmware-hdd- 3db7640485-HPGG- 2.1.x86_64.rpm	MK001920GWHR U	HPGG (B)	HPGG	更新
1733	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd- aef2a690c9-HPG5- 6.1.x86_64.rpm	MK000240GWKV K	HPG5 (F)	HPG5	更新
1734	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd- aef2a690c9-HPG5- 6.1.x86_64.rpm	MK000480GWJPN	HPG5 (F)	HPG5	更新
1735	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd- aef2a690c9-HPG5- 6.1.x86_64.rpm	MK000960GWJPP	HPG5 (F)	HPG5	更新
1736	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd- aef2a690c9-HPG5- 6.1.x86_64.rpm	MK001920GWJPQ	HPG5 (F)	HPG5	更新
1737	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH,	firmware-hdd- aef2a690c9-HPG5- 6.1.x86_64.rpm	VK000240GWJPD	HPG5 (F)	HPG5	更新

	VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives					
1738	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd- aef2a690c9-HPG5- 6.1.x86_64.rpm	VK000480GWJPE	HPG5 (F)	HPG5	更新
1739	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd- aef2a690c9-HPG5- 6.1.x86_64.rpm	VK000960GWJPF	HPG5 (F)	HPG5	更新
1740	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd- aef2a690c9-HPG5- 6.1.x86_64.rpm	VK001920GWJPH	HPG5 (F)	HPG5	更新
1741	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd- aef2a690c9-HPG5- 6.1.x86_64.rpm	VK003840GWJPK	HPG5 (F)	HPG5	更新
1742	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd- db687966b4-HPG4- 3.1.x86_64.rpm	VK000240GWSRQ	HPG4 (C)	HPG4	更新
1743	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd- db687966b4-HPG4- 3.1.x86_64.rpm	VK000480GWSRR	HPG4 (C)	HPG4	更新
1744	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ,	firmware-hdd- db687966b4-HPG4- 3.1.x86_64.rpm	VK000960GWSRT	HPG4 (C)	HPG4	更新

	VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives					
1745	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd- db687966b4-HPG4- 3.1.x86_64.rpm	VK001920GWSRU	HPG4 (C)	HPG4	更新
1746	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd- db687966b4-HPG4- 3.1.x86_64.rpm	VK003840GWSRV	HPG4 (C)	HPG4	更新
1747	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd- c566d63ca0-HPG6- 3.1.x86_64.rpm	VK000240GWTSV	HPG6 (C)	HPG6	更新
1748	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd- c566d63ca0-HPG6- 3.1.x86_64.rpm	VK000480GWTTA	HPG6 (C)	HPG6	更新
1749	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd- c566d63ca0-HPG6- 3.1.x86_64.rpm	VK000960GWTTB	HPG6 (C)	HPG6	更新
1750	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd- c566d63ca0-HPG6- 3.1.x86_64.rpm	VK001920GWTTT	HPG6 (C)	HPG6	更新
1751	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA,	firmware-hdd- c566d63ca0-HPG6- 3.1.x86_64.rpm	VK003840GWTTD	HPG6 (C)	HPG6	更新

	VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives					
1752	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	firmware-hdd- c566d63ca0-HPG6- 3.1.x86_64.rpm	MK000480GWTT H	HPG6 (C)	HPG6	更新
1753	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	firmware-hdd- c566d63ca0-HPG6- 3.1.x86_64.rpm	MK000960GWTTK	HPG6 (C)	HPG6	更新
1754	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	firmware-hdd- c566d63ca0-HPG6- 3.1.x86_64.rpm	MK001920GWTTT	HPG6 (C)	HPG6	更新
1755	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTT and MK003840GWTTN Drives	firmware-hdd- c566d63ca0-HPG6- 3.1.x86_64.rpm	MK003840GWTT N	HPG6 (C)	HPG6	更新
1756	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWA, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXABL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd- 8f9bf23306-HPG1- 2.1.x86_64.rpm	VK000240GXAWA	HPG1 (B)	HPG1	新規追加

1757	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd-8f9bf23306-HPG1-2.1.x86_64.rpm	VK000480GXAWK	HPG1 (B)	HPG1	新規追加
1758	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd-8f9bf23306-HPG1-2.1.x86_64.rpm	VK000960GXAWL	HPG1 (B)	HPG1	新規追加
1759	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd-8f9bf23306-HPG1-2.1.x86_64.rpm	VK001920GXAWN	HPG1 (B)	HPG1	新規追加
1760	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd-8f9bf23306-HPG1-2.1.x86_64.rpm	VK003840GXAWP	HPG1 (B)	HPG1	新規追加
1761	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN,	firmware-hdd-8f9bf23306-HPG1-2.1.x86_64.rpm	VK007680GXAWQ	HPG1 (B)	HPG1	新規追加

	VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
1762	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd- 8f9bf23306-HPG1- 2.1.x86_64.rpm	MK000480GXAWF	HPG1 (B)	HPG1	新規追加
1763	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd- 8f9bf23306-HPG1- 2.1.x86_64.rpm	MK000960GXAXB	HPG1 (B)	HPG1	新規追加
1764	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd- 8f9bf23306-HPG1- 2.1.x86_64.rpm	MK001920GXAW R	HPG1 (B)	HPG1	新規追加
1765	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT,	firmware-hdd- 8f9bf23306-HPG1- 2.1.x86_64.rpm	MK003840GXAW T	HPG1 (B)	HPG1	新規追加



	VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
1766	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd- 8f9bf23306-HPG1- 2.1.x86_64.rpm	VR000240GXBBL	HPG1 (B)	HPG1	新規追加
1767	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd- 8f9bf23306-HPG1- 2.1.x86_64.rpm	MR000480GXBGH	HPG1 (B)	HPG1	新規追加
1768	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	firmware-hdd- 8f9bf23306-HPG1- 2.1.x86_64.rpm	MR000960GXBGK	HPG1 (B)	HPG1	新規追加
1769	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd- 9e87eecb3f-HPG3- 2.1.x86_64.rpm	VK000480GWSXF	HPG3 (B)	HPG3	更新
1770	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd- 9e87eecb3f-HPG3- 2.1.x86_64.rpm	VK000960GWSXH	HPG3 (B)	HPG3	更新
1771	Online HDD/SSD Flash Component for Linux (x64) -	firmware-hdd- 9e87eecb3f-HPG3-	VK001920GWSXK	HPG3 (B)	HPG3	更新

	VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	2.1.x86_64.rpm				
1772	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd- 9e87eecb3f-HPG3- 2.1.x86_64.rpm	MK000480GWUG F	HPG3 (B)	HPG3	更新
1773	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd- 9e87eecb3f-HPG3- 2.1.x86_64.rpm	MK000960GWUG H	HPG3 (B)	HPG3	更新
1774	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd- 9e87eecb3f-HPG3- 2.1.x86_64.rpm	MK001920GWUG K	HPG3 (B)	HPG3	更新
1775	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd- 492a9952f6-HPG3- 2.1.x86_64.rpm	VK000480GWTHA	HPG3 (B)	HPG3	更新
1776	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd- 492a9952f6-HPG3- 2.1.x86_64.rpm	VK000960GWTHB	HPG3 (B)	HPG3	更新
1777	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd- 492a9952f6-HPG3- 2.1.x86_64.rpm	VK001920GWTHC	HPG3 (B)	HPG3	更新
1778	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd- 492a9952f6-HPG3- 2.1.x86_64.rpm	VK003840GWTHD	HPG3 (B)	HPG3	更新
1779	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd- befd42bd64-HPG1- 2.1.x86_64.rpm	VK000480GZCNE	HPG1 (B)	HPG1	新規追加
1780	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd- befd42bd64-HPG1- 2.1.x86_64.rpm	VK000960GZCNF	HPG1 (B)	HPG1	新規追加

1781	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG1-2.1.x86_64.rpm	VK001920GZCNH	HPG1 (B)	HPG1	新規追加
1782	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG1-2.1.x86_64.rpm	VK003840GZCNK	HPG1 (B)	HPG1	新規追加
1783	Online HDD/SSD Flash Component for Linux (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	firmware-hdd-4b4177239b-HPG2-2.1.x86_64.rpm	VK000960GXCLD	HPG2 (B)	HPG2	新規追加
1784	Online HDD/SSD Flash Component for Linux (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	firmware-hdd-4b4177239b-HPG2-2.1.x86_64.rpm	VK001920GXCGP	HPG2 (B)	HPG2	新規追加
1785	Online HDD/SSD Flash Component for Linux (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	firmware-hdd-4b4177239b-HPG2-2.1.x86_64.rpm	VK003840GXCGQ	HPG2 (B)	HPG2	新規追加
1786	Online HDD/SSD Flash Component for Linux (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	firmware-hdd-4b4177239b-HPG2-2.1.x86_64.rpm	VK007680GXCGR	HPG2 (B)	HPG2	新規追加
1787	Online HDD/SSD Flash Component for Linux (x64) - VK003840GWSXL Drive	firmware-hdd-d1cf327bc4-HPG3-2.1.x86_64.rpm	VK003840GWSXL	HPG3 (B)	HPG3	更新
1788	Online HDD/SSD Flash Component for Linux (x64) - VK007680GWSXN Drive	firmware-hdd-b460823f70-HPG3-2.1.x86_64.rpm	VK007680GWSXN	HPG3 (B)	HPG3	更新
1789	Online HDD/SSD Flash Component for Linux (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives	firmware-hdd-a2d4b5c742-HPG1-10.1.x86_64.rpm	VK0120GFDKE	HPG1 (J)	HPG1	更新
1790	Online HDD/SSD Flash Component for Linux (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives	firmware-hdd-a2d4b5c742-HPG1-10.1.x86_64.rpm	VK0240GFDKF	HPG1 (J)	HPG1	更新
1791	Online HDD/SSD Flash Component for Linux (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives	firmware-hdd-a2d4b5c742-HPG1-10.1.x86_64.rpm	VK0480GFDKH	HPG1 (J)	HPG1	更新
1792	Online HDD/SSD Flash Component for Linux (x64) - VK0120GFDKE,	firmware-hdd-a2d4b5c742-HPG1-10.1.x86_64.rpm	VK0960GFDKK	HPG1 (J)	HPG1	更新

	VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives					
1793	Online HDD/SSD Flash Component for Linux (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives	firmware-hdd- a2d4b5c742-HPG1- 10.1.x86_64.rpm	VK1920GFDKL	HPG1 (J)	HPG1	更新
1794	Online HDD/SSD Flash Component for Linux (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives	firmware-hdd- a2d4b5c742-HPG1- 10.1.x86_64.rpm	VK3840GFDKN	HPG1 (J)	HPG1	更新
1795	Online HDD/SSD Flash Component for Linux (x64) - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives	firmware-hdd- 1a516522d1-HPG1- 9.1.x86_64.rpm	VK0240GEPQN	HPG1 (I)	HPG1	更新
1796	Online HDD/SSD Flash Component for Linux (x64) - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives	firmware-hdd- 1a516522d1-HPG1- 9.1.x86_64.rpm	VK0480GEPQP	HPG1 (I)	HPG1	更新
1797	Online HDD/SSD Flash Component for Linux (x64) - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives	firmware-hdd- 1a516522d1-HPG1- 9.1.x86_64.rpm	VK0960GEPQQ	HPG1 (I)	HPG1	更新
1798	Online HDD/SSD Flash Component for Linux (x64) - VR000150GWEPP and VR000480GWEPR Drives	firmware-hdd- b7eb905efe-HPG1- 7.1.x86_64.rpm	VR000150GWEPP	HPG1 (G)	HPG1	更新
1799	Online HDD/SSD Flash Component for Linux (x64) - VR000150GWEPP and VR000480GWEPR Drives	firmware-hdd- b7eb905efe-HPG1- 7.1.x86_64.rpm	VR000480GWEPR	HPG1 (G)	HPG1	更新
1800	Online HDD/SSD Flash Component for Linux (x64) - XP0120GFJSL and XP0240GFJSN Drives	firmware-hdd- d355375539-HPS4- 10.1.x86_64.rpm	XP0120GFJSL	HPS4 (J)	HPS4	更新
1801	Online HDD/SSD Flash Component for Linux (x64) - XP0120GFJSL and XP0240GFJSN Drives	firmware-hdd- d355375539-HPS4- 10.1.x86_64.rpm	XP0240GFJSN	HPS4 (J)	HPS4	更新
1802	Online HDD/SSD Flash Component for VMware ESXi - EK000200GWEPD, EK000400GWEPE, EK000800GWEPP and EK001600GWEPP Drives	CP048295.zip	EK000200GWEPD	HPG3 (G)	HPG3	更新
1803	Online HDD/SSD Flash Component for VMware ESXi - EK000200GWEPD, EK000400GWEPE, EK000800GWEPP and EK001600GWEPP Drives	CP048295.zip	EK000400GWEPE	HPG3 (G)	HPG3	更新
1804	Online HDD/SSD Flash Component for VMware ESXi - EK000200GWEPD, EK000400GWEPE, EK000800GWEPP and	CP048295.zip	EK000800GWEPP	HPG3 (G)	HPG3	更新

	EK001600GWEPH Drives					
1805	Online HDD/SSD Flash Component for VMware ESXi - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives	CP048295.zip	EK001600GWEPH	HPG3 (G)	HPG3	更新
1806	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWCBC and MB002000GWCBD Drives	CP048300.zip	MB001000GWCBC	HPG6 (F)	HPG6	更新
1807	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWCBC and MB002000GWCBD Drives	CP048300.zip	MB002000GWCBC	HPG6 (F)	HPG6	更新
1808	Online HDD/SSD Flash Component for VMware ESXi - MB001000GFWK and MB002000GFWL Drives	CP048302.zip	MB001000GFWK	HPG6 (F)	HPG6	更新
1809	Online HDD/SSD Flash Component for VMware ESXi - MB001000GFWK and MB002000GFWL Drives	CP048302.zip	MB002000GFWL	HPG6 (F)	HPG6	更新
1810	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GFWA and MB004000GFWB Drives	CP048313.zip	MB001000GWJAN	HPG1 (F)	HPG1	更新
1811	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GFWA and MB004000GFWB Drives	CP048313.zip	MB002000GFWA	HPG1 (F)	HPG1	更新
1812	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GFWA and MB004000GFWB Drives	CP048313.zip	MB004000GFWB	HPG1 (F)	HPG1	更新
1813	Online HDD/SSD Flash Component for VMware ESXi - MB002000GWFGH and MB001000GWFGF Drives	CP048317.zip	MB002000GWFGH	HPG3 (H)	HPG3	更新
1814	Online HDD/SSD Flash Component for VMware ESXi - MB002000GWFGH and MB001000GWFGF Drives	CP048317.zip	MB001000GWFGF	HPG3 (H)	HPG3	更新
1815	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWKGV Drive	CP048319.zip	MB004000GWKGV	HPG1 (F)	HPG1	更新
1816	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	CP048430.zip	MB004000GWWQH	HPG3 (C)	HPG3	更新
1817	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	CP048430.zip	MB002000GWWQF	HPG3 (C)	HPG3	更新
1818	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	CP048430.zip	MB001000GWWQE	HPG3 (C)	HPG3	更新
1819	Online HDD/SSD Flash Component for VMware ESXi	CP048328.zip	MB006000GWBXQ	HPG8 (F)	HPG8	更新

	- MB006000GWBXQ and MB008000GWBXL Drives					
1820	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWBXQ and MB008000GWBXL Drives	CP048328.zip	MB008000GWBXL	HPG8 (F)	HPG8	更新
1821	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWJRR and MB008000GWJRT Drives	CP048447.zip	MB006000GWJRR	HPG4 (D)	HPG4	更新
1822	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWJRR and MB008000GWJRT Drives	CP048447.zip	MB008000GWJRT	HPG4 (D)	HPG4	更新
1823	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWKGR Drive	CP048329.zip	MB006000GWKGR	HPG1 (F)	HPG1	更新
1824	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWRTC Drive	CP048331.zip	MB008000GWRTC	HPG1 (F)	HPG1	更新
1825	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWWQU and MB006000GWWQT Drives	CP048425.zip	MB008000GWWQU	HPG2 (D)	HPG2	更新
1826	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWWQU and MB006000GWWQT Drives	CP048425.zip	MB006000GWWQT	HPG2 (D)	HPG2	更新
1827	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWAYN and MB008000GWAYL Drives	CP048333.zip	MB010000GWAYN	HPG5 (G)	HPG5	更新
1828	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWAYN and MB008000GWAYL Drives	CP048333.zip	MB008000GWAYL	HPG5 (G)	HPG5	更新
1829	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWDFE Drive	CP048335.zip	MB012000GWDFE	HPG3 (B)	HPG3	更新
1830	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFE Drives	CP048336.zip	MB012000GWTFE	HPG7 (C)	HPG7	更新
1831	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFE Drives	CP048336.zip	MB014000GWTFE	HPG7 (C)	HPG7	更新
1832	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	CP048337.zip	MB014000GWRTN	HPG2 (F)	HPG2	更新
1833	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	CP048337.zip	MB012000GWRTL	HPG2 (F)	HPG2	更新
1834	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	CP048337.zip	MB010000GWRTK	HPG2 (F)	HPG2	更新
1835	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWUDA Drive	CP048339.zip	MB014000GWUDA	HPG2 (F)	HPG2	更新
1836	Online HDD/SSD Flash	CP049128.zip	MB016000GWXK	HPG3 (B)	HPG3	新規追加

	Component for VMware ESXi - MB016000GWXKK Drive		K			
1837	Online HDD/SSD Flash Component for VMware ESXi - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	CP048342.zip	MB1000GDUNU	HPG4 (K)	HPG4	更新
1838	Online HDD/SSD Flash Component for VMware ESXi - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	CP048342.zip	MB2000GDUNV	HPG4 (K)	HPG4	更新
1839	Online HDD/SSD Flash Component for VMware ESXi - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	CP048342.zip	MB3000GDUPA	HPG4 (K)	HPG4	更新
1840	Online HDD/SSD Flash Component for VMware ESXi - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	CP048342.zip	MB4000GDUPB	HPG4 (K)	HPG4	更新
1841	Online HDD/SSD Flash Component for VMware ESXi - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	CP048343.zip	MB1000GVYZE	HPG4 (I)	HPG4	更新
1842	Online HDD/SSD Flash Component for VMware ESXi - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	CP048343.zip	MB2000GVYZF	HPG4 (I)	HPG4	更新
1843	Online HDD/SSD Flash Component for VMware ESXi - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	CP048343.zip	MB3000GVYZH	HPG4 (I)	HPG4	更新
1844	Online HDD/SSD Flash Component for VMware ESXi - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	CP048343.zip	MB4000GVYZK	HPG4 (I)	HPG4	更新
1845	Online HDD/SSD Flash Component for VMware ESXi - MB2000GCWLT, MB3000GCWLU and MB4000GCWLV Drives	CP048345.zip	MB2000GCWLT	HPG4 (K)	HPG4	更新
1846	Online HDD/SSD Flash Component for VMware ESXi - MB2000GCWLT, MB3000GCWLU and MB4000GCWLV Drives	CP048345.zip	MB3000GCWLU	HPG4 (K)	HPG4	更新
1847	Online HDD/SSD Flash Component for VMware ESXi - MB2000GCWLT, MB3000GCWLU and MB4000GCWLV Drives	CP048345.zip	MB4000GCWLV	HPG4 (K)	HPG4	更新
1848	Online HDD/SSD Flash	CP048346.zip	MB2000GFEMH	HPG6 (I)	HPG6	更新

	Component for VMware ESXi - MB2000GFEMH and MB4000GFEMK Drives					
1849	Online HDD/SSD Flash Component for VMware ESXi - MB2000GFEMH and MB4000GFEMK Drives	CP048346.zip	MB4000GFEMK	HPG6 (I)	HPG6	更新
1850	Online HDD/SSD Flash Component for VMware ESXi - MB4000GFNA and MB6000GFNB Drives	CP048365.zip	MB4000GFNA	HPG6 (I)	HPG6	更新
1851	Online HDD/SSD Flash Component for VMware ESXi - MB4000GFNA and MB6000GFNB Drives	CP048365.zip	MB6000GFNB	HPG6 (I)	HPG6	更新
1852	Online HDD/SSD Flash Component for VMware ESXi - MB4000GEQNH and MB6000GEQNK Drives	CP048366.zip	MB4000GEQNH	HPGB (I)	HPGB	更新
1853	Online HDD/SSD Flash Component for VMware ESXi - MB4000GEQNH and MB6000GEQNK Drives	CP048366.zip	MB6000GEQNK	HPGB (I)	HPGB	更新
1854	Online HDD/SSD Flash Component for VMware ESXi - MB6000GEBTP Drive	CP048370.zip	MB6000GEBTP	HPG4 (I)	HPG4	更新
1855	Online HDD/SSD Flash Component for VMware ESXi - MB6000GEQUT and MB8000GEQUU Drives	CP048371.zip	MB6000GEQUT	HPGB (I)	HPGB	更新
1856	Online HDD/SSD Flash Component for VMware ESXi - MB6000GEQUT and MB8000GEQUU Drives	CP048371.zip	MB8000GEQUU	HPGB (I)	HPGB	更新
1857	Online HDD/SSD Flash Component for VMware ESXi - MB6000GEXXV Drive	CP048403.zip	MB6000GEXXV	HPG2 (K)	HPG2	更新
1858	Online HDD/SSD Flash Component for VMware ESXi - MB6000GVYYU Drive	CP048372.zip	MB6000GVYYU	HPG2 (I)	HPG2	更新
1859	Online HDD/SSD Flash Component for VMware ESXi - MB6000GVYZB and MB4000GVYZA Drives	CP048377.zip	MB6000GVYZB	HPG4 (F)	HPG4	更新
1860	Online HDD/SSD Flash Component for VMware ESXi - MB6000GVYZB and MB4000GVYZA Drives	CP048377.zip	MB4000GVYZA	HPG4 (F)	HPG4	更新
1861	Online HDD/SSD Flash Component for VMware ESXi - MB8000GFECR Drive	CP048381.zip	MB8000GFECR	HPG6 (G)	HPG6	更新
1862	Online HDD/SSD Flash Component for VMware ESXi - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFCB Drives	CP048390.zip	MK000240GWCE U	HPG3 (G)	HPG3	更新
1863	Online HDD/SSD Flash Component for VMware ESXi - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFCB Drives	CP048390.zip	MK000480GWCE V	HPG3 (G)	HPG3	更新
1864	Online HDD/SSD Flash Component for VMware ESXi - MK000240GWCEU,	CP048390.zip	MK000960GWCFA	HPG3 (G)	HPG3	更新



	MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives					
1865	Online HDD/SSD Flash Component for VMware ESXi - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	CP048390.zip	MK001920GWCFB	HPG3 (G)	HPG3	更新
1866	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP048432.zip	MK000480GWSSC	HPG3 (C)	HPG3	更新
1867	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP048432.zip	MK000960GWSSD	HPG3 (C)	HPG3	更新
1868	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP048432.zip	MK001920GWSSE	HPG3 (C)	HPG3	更新
1869	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP048432.zip	MK003840GWSSF	HPG3 (C)	HPG3	更新
1870	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP049299.zip	MK000480GWXFF	HPG2	HPG2	更新
1871	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP049299.zip	MK000960GWXF H	HPG2	HPG2	更新
1872	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP049299.zip	MK001920GWXFK	HPG2	HPG2	更新
1873	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP049299.zip	MK003840GWXFL	HPG2	HPG2	更新
1874	Online HDD/SSD Flash Component for VMware ESXi - MK003840GWHITE Drive	CP048383.zip	MK003840GWHT E	HPG8 (B)	HPG8	更新
1875	Online HDD/SSD Flash Component for VMware ESXi - MK0960GECQK Drive	CP048387.zip	MK0960GECQK	HPG3 (L)	HPG3	更新
1876	Online HDD/SSD Flash Component for VMware ESXi - MM1000GEFQV and	CP048388.zip	MM1000GEFQV	HPG8 (H)	HPG8	更新

	MM2000GEFRA Drives					
1877	Online HDD/SSD Flash Component for VMware ESXi - MM1000GEFQV and MM2000GEFRA Drives	CP048388.zip	MM2000GEFRA	HPG8 (H)	HPG8	更新
1878	Online HDD/SSD Flash Component for VMware ESXi - MM1000GFJTE Drive	CP048389.zip	MM1000GFJTE	HPG5 (F)	HPG5	更新
1879	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	CP048402.zip	MR000240GWFLU	HPGG (B)	HPGG	更新
1880	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	CP048402.zip	MR000480GWFLV	HPGG (B)	HPGG	更新
1881	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	CP048402.zip	VR000480GWFMD	HPGG (B)	HPGG	更新
1882	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	CP048402.zip	MR000960GWFMA	HPGG (B)	HPGG	更新
1883	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	CP048402.zip	VR000960GWFME	HPGG (B)	HPGG	更新
1884	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	CP048402.zip	MR001920GWFMB	HPGG (B)	HPGG	更新
1885	Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV,	CP048402.zip	VR001920GWFMC	HPGG (B)	HPGG	更新

	VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives					
1886	Online HDD/SSD Flash Component for VMware ESXi - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	CP048405.zip	VK000150GWCNN	HPG1 (F)	HPG1	更新
1887	Online HDD/SSD Flash Component for VMware ESXi - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	CP048405.zip	VK000240GWCNP	HPG1 (F)	HPG1	更新
1888	Online HDD/SSD Flash Component for VMware ESXi - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	CP048405.zip	VK000480GWCN Q	HPG1 (F)	HPG1	更新
1889	Online HDD/SSD Flash Component for VMware ESXi - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	CP048405.zip	VK000960GWCNR	HPG1 (F)	HPG1	更新
1890	Online HDD/SSD Flash Component for VMware ESXi - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	CP048405.zip	VK001600GWCNT	HPG1 (F)	HPG1	更新
1891	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.	CP048407.zip	VK000240GWCFD	HPG3 (G)	HPG3	更新
1892	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.	CP048407.zip	VK000480GWCFE	HPG3 (G)	HPG3	更新
1893	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.	CP048407.zip	VK000960GWCFE	HPG3 (G)	HPG3	更新
1894	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE,	CP048407.zip	VK001920GWCFH	HPG3 (G)	HPG3	更新

	VK001920GWCFH and VK003840GWCFK Drives.					
1895	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.	CP048407.zip	VK003840GWCFK	HPG3 (G)	HPG3	更新
1896	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP048406.zip	VK000240GWEZB	HPGG (B)	HPGG	更新
1897	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP048406.zip	VK000480GWEZC	HPGG (B)	HPGG	更新
1898	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP048406.zip	VK000960GWEZD	HPGG (B)	HPGG	更新
1899	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP048406.zip	VK001920GWEZE	HPGG (B)	HPGG	更新
1900	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP048406.zip	MK000240GWEZF	HPGG (B)	HPGG	更新
1901	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF,	CP048406.zip	MK000480GWEZ H	HPGG (B)	HPGG	更新

	MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives					
1902	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP048406.zip	MK000960GWEZK	HPGG (B)	HPGG	更新
1903	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	CP048406.zip	MK001920GWHRU	HPGG (B)	HPGG	更新
1904	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP048444.zip	MK000240GWKVK	HPG5 (F)	HPG5	更新
1905	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP048444.zip	MK000480GWJPN	HPG5 (F)	HPG5	更新
1906	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP048444.zip	MK000960GWJPP	HPG5 (F)	HPG5	更新
1907	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and	CP048444.zip	MK001920GWJPQ	HPG5 (F)	HPG5	更新

	MK001920GWJPQ Drives					
1908	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP048444.zip	VK000240GWJPD	HPG5 (F)	HPG5	更新
1909	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP048444.zip	VK000480GWJPE	HPG5 (F)	HPG5	更新
1910	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP048444.zip	VK000960GWJPF	HPG5 (F)	HPG5	更新
1911	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP048444.zip	VK001920GWJPH	HPG5 (F)	HPG5	更新
1912	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP048444.zip	VK003840GWJPK	HPG5 (F)	HPG5	更新
1913	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP048434.zip	VK000240GWSRQ	HPG4 (C)	HPG4	更新
1914	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ,	CP048434.zip	VK000480GWSRR	HPG4 (C)	HPG4	更新

	VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives					
1915	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP048434.zip	VK000960GWSRT	HPG4 (C)	HPG4	更新
1916	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP048434.zip	VK001920GWSRU	HPG4 (C)	HPG4	更新
1917	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP048434.zip	VK003840GWSRV	HPG4 (C)	HPG4	更新
1918	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTT, MK001920GWTTT and MK003840GWTTT Drives	CP048408.zip	VK000240GWTSV	HPG6 (C)	HPG6	更新
1919	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTT, MK001920GWTTT and MK003840GWTTT Drives	CP048408.zip	VK000480GWTTA	HPG6 (C)	HPG6	更新
1920	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTT, MK001920GWTTT and MK003840GWTTT Drives	CP048408.zip	VK000960GWTTB	HPG6 (C)	HPG6	更新
1921	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT,	CP048408.zip	VK001920GWTTT	HPG6 (C)	HPG6	更新

	MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives					
1922	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP048408.zip	VK003840GWTTD	HPG6 (C)	HPG6	更新
1923	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP048408.zip	MK000480GWTT H	HPG6 (C)	HPG6	更新
1924	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP048408.zip	MK000960GWTTK	HPG6 (C)	HPG6	更新
1925	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP048408.zip	MK001920GWTTL	HPG6 (C)	HPG6	更新
1926	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP048408.zip	MK003840GWTT N	HPG6 (C)	HPG6	更新
1927	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWK, VK000480GXAWL, VK000960GXAWN, VK003840GXAWP, VK007680GXAWQ,	CP049160.zip	VK000240GXAWK	HPG1 (B)	HPG1	新規追加



	MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
1928	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP049160.zip	VK000480GXAWK	HPG1 (B)	HPG1	新規追加
1929	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP049160.zip	VK000960GXAWL	HPG1 (B)	HPG1	新規追加
1930	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP049160.zip	VK001920GXAWN	HPG1 (B)	HPG1	新規追加
1931	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP049160.zip	VK003840GXAWP	HPG1 (B)	HPG1	新規追加
1932	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWF, VK000480GXAWK,	CP049160.zip	VK007680GXAWQ	HPG1 (B)	HPG1	新規追加

	VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
1933	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP049160.zip	MK000480GXAWF	HPG1 (B)	HPG1	新規追加
1934	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP049160.zip	MK000960GXAXB	HPG1 (B)	HPG1	新規追加
1935	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP049160.zip	MK001920GXAW R	HPG1 (B)	HPG1	新規追加
1936	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWF, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920 GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP049160.zip	MK003840GXAW T	HPG1 (B)	HPG1	新規追加

1937	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP049160.zip	VR000240GXBBL	HPG1 (B)	HPG1	新規追加
1938	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP049160.zip	MR000480GXBGH	HPG1 (B)	HPG1	新規追加
1939	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP049160.zip	MR000960GXBGK	HPG1 (B)	HPG1	新規追加
1940	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP048409.zip	VK000480GWSXF	HPG3 (B)	HPG3	更新
1941	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP048409.zip	VK000960GWSXH	HPG3 (B)	HPG3	更新
1942	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP048409.zip	VK001920GWSXK	HPG3 (B)	HPG3	更新

1943	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP048409.zip	MK000480GWUGF	HPG3 (B)	HPG3	更新
1944	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP048409.zip	MK000960GWUGH	HPG3 (B)	HPG3	更新
1945	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP048409.zip	MK001920GWUGK	HPG3 (B)	HPG3	更新
1946	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP049275.zip	VK000480GWTHA	HPG3 (B)	HPG3	更新
1947	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP049275.zip	VK000960GWTHB	HPG3 (B)	HPG3	更新
1948	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP049275.zip	VK001920GWTHC	HPG3 (B)	HPG3	更新
1949	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP049275.zip	VK003840GWTHD	HPG3 (B)	HPG3	更新
1950	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP049156.zip	VK000480GZCNE	HPG1 (B)	HPG1	新規追加
1951	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP049156.zip	VK000960GZCNF	HPG1 (B)	HPG1	新規追加
1952	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP049156.zip	VK001920GZCNH	HPG1 (B)	HPG1	新規追加

1953	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP049156.zip	VK003840GZCNK	HPG1 (B)	HPG1	新規追加
1954	Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	CP049272.zip	VK000960GXCLD	HPG2 (B)	HPG2	新規追加
1955	Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	CP049272.zip	VK001920GXCGP	HPG2 (B)	HPG2	新規追加
1956	Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	CP049272.zip	VK003840GXCGQ	HPG2 (B)	HPG2	新規追加
1957	Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	CP049272.zip	VK007680GXCGR	HPG2 (B)	HPG2	新規追加
1958	Online HDD/SSD Flash Component for VMware ESXi - VK003840GWSXL Drive	CP048410.zip	VK003840GWSXL	HPG3 (B)	HPG3	更新
1959	Online HDD/SSD Flash Component for VMware ESXi - VK007680GWSXN Drive	CP048411.zip	VK007680GWSXN	HPG3 (B)	HPG3	更新
1960	Online HDD/SSD Flash Component for VMware ESXi - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL, and VK3840GFDKN Drives	CP048412.zip	VK0120GFDKE	HPG1 (J)	HPG1	更新
1961	Online HDD/SSD Flash Component for VMware ESXi - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL, and VK3840GFDKN Drives	CP048412.zip	VK0240GFDKF	HPG1 (J)	HPG1	更新
1962	Online HDD/SSD Flash Component for VMware ESXi - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL, and VK3840GFDKN Drives	CP048412.zip	VK0480GFDKH	HPG1 (J)	HPG1	更新
1963	Online HDD/SSD Flash Component for VMware ESXi - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK,	CP048412.zip	VK0960GFDKK	HPG1 (J)	HPG1	更新

	VK1920GFDKL, and VK3840GFDKN Drives					
1964	Online HDD/SSD Flash Component for VMware ESXi - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL, and VK3840GFDKN Drives	CP048412.zip	VK1920GFDKL	HPG1 (J)	HPG1	更新
1965	Online HDD/SSD Flash Component for VMware ESXi - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL, and VK3840GFDKN Drives	CP048412.zip	VK3840GFDKN	HPG1 (J)	HPG1	更新
1966	Online HDD/SSD Flash Component for VMware ESXi - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives	CP048413.zip	VK0240GEPQN	HPG1 (J)	HPG1	更新
1967	Online HDD/SSD Flash Component for VMware ESXi - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives	CP048413.zip	VK0480GEPQP	HPG1 (J)	HPG1	更新
1968	Online HDD/SSD Flash Component for VMware ESXi - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives	CP048413.zip	VK0960GEPQQ	HPG1 (J)	HPG1	更新
1969	Online HDD/SSD Flash Component for VMware ESXi - VR000150GWEPP and VR000480GWEPR Drives	CP048424.zip	VR000150GWEPP	HPG1 (G)	HPG1	更新
1970	Online HDD/SSD Flash Component for VMware ESXi - VR000150GWEPP and VR000480GWEPR Drives	CP048424.zip	VR000480GWEPR	HPG1 (G)	HPG1	更新
1971	Online HDD/SSD Flash Component for VMware ESXi - XP0120GFJSL and XP0240GFJSN Drives	CP048423.zip	XP0120GFJSL	HPS4 (J)	HPS4	更新
1972	Online HDD/SSD Flash Component for VMware ESXi - XP0120GFJSL and XP0240GFJSN Drives	CP048423.zip	XP0240GFJSN	HPS4 (J)	HPS4	更新
1973	Online HDD/SSD Flash Component for Windows (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPE and EK001600GWEPE Drives	cp048554.exe	EK000200GWEPD	HPG3 (F)	HPG3	更新
1974	Online HDD/SSD Flash Component for Windows (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPE and EK001600GWEPE Drives	cp048554.exe	EK000400GWEPE	HPG3 (F)	HPG3	更新
1975	Online HDD/SSD Flash Component for Windows (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPE and	cp048554.exe	EK000800GWEPE	HPG3 (F)	HPG3	更新

	EK001600GWEPH Drives					
1976	Online HDD/SSD Flash Component for Windows (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPE and EK001600GWEPH Drives	cp048554.exe	EK001600GWEPH	HPG3 (F)	HPG3	更新
1977	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWCBC and MB002000GWCBD Drives	cp048556.exe	MB001000GWCBC C	HPG6 (E)	HPG6	更新
1978	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWCBC and MB002000GWCBD Drives	cp048556.exe	MB002000GWCBC D	HPG6 (E)	HPG6	更新
1979	Online HDD/SSD Flash Component for Windows (x64) - MB001000GFWK and MB002000GFWL Drives	cp048557.exe	MB001000GFWK K	HPG6 (E)	HPG6	更新
1980	Online HDD/SSD Flash Component for Windows (x64) - MB001000GFWK and MB002000GFWL Drives	cp048557.exe	MB002000GFWL L	HPG6 (E)	HPG6	更新
1981	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	cp048558.exe	MB001000GWJAN	HPG1 (E)	HPG1	更新
1982	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	cp048558.exe	MB002000GFWA A	HPG1 (E)	HPG1	更新
1983	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives	cp048558.exe	MB004000GFWB B	HPG1 (E)	HPG1	更新
1984	Online HDD/SSD Flash Component for Windows (x64) - MB002000GWFGH and MB001000GWFGF Drives	cp048559.exe	MB001000GWFG F	HPG3 (G)	HPG3	更新
1985	Online HDD/SSD Flash Component for Windows (x64) - MB002000GWFGH and MB001000GWFGF Drives	cp048559.exe	MB002000GWFG H	HPG3 (G)	HPG3	更新
1986	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWKGV Drive	cp048561.exe	MB004000GWKG V	HPG1 (E)	HPG1	更新
1987	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	cp048652.exe	MB004000GWW QH	HPG3 (C)	HPG3	更新
1988	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	cp048652.exe	MB002000GWW QF	HPG3 (C)	HPG3	更新
1989	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and	cp048652.exe	MB001000GWW QE	HPG3 (C)	HPG3	更新

	MB001000GWWQE Drives					
1990	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWBXQ and MB008000GWBXL Drives	cp048667.exe	MB006000GWBXQ	HPG8 (E)	HPG8	更新
1991	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWBXQ and MB008000GWBXL Drives	cp048667.exe	MB008000GWBXL	HPG8 (E)	HPG8	更新
1992	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWJRR and MB008000GWJRT Drives	cp048470.exe	MB006000GWJRR	HPG4 (D)	HPG4	更新
1993	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWJRR and MB008000GWJRT Drives	cp048470.exe	MB008000GWJRT	HPG4 (D)	HPG4	更新
1994	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWKGR Drive	cp048674.exe	MB006000GWKGR	HPG1 (E)	HPG1	更新
1995	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWRTC Drive	cp048669.exe	MB008000GWRTC	HPG1 (E)	HPG1	更新
1996	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWWQU and MB006000GWWQT Drives	cp048648.exe	MB008000GWWQU	HPG2 (D)	HPG2	更新
1997	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWWQU and MB006000GWWQT Drives	cp048648.exe	MB006000GWWQT	HPG2 (D)	HPG2	更新
1998	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWAYN and MB008000GWAYL Drives	cp048671.exe	MB010000GWAYN	HPG5 (F)	HPG5	更新
1999	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWAYN and MB008000GWAYL Drives	cp048671.exe	MB008000GWAYL	HPG5 (F)	HPG5	更新
2000	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWDFE Drive	cp048673.exe	MB012000GWDFE	HPG3 (B)	HPG3	更新
2001	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFF and MB014000GWTFF Drives	cp048543.exe	MB012000GWTFF	HPG7 (C)	HPG7	更新
2002	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFF and MB014000GWTFF Drives	cp048543.exe	MB014000GWTFF	HPG7 (C)	HPG7	更新
2003	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	cp048544.exe	MB014000GWRTN	HPG2 (E)	HPG2	更新
2004	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	cp048544.exe	MB012000GWRTL	HPG2 (E)	HPG2	更新
2005	Online HDD/SSD Flash	cp048544.exe	MB010000GWRT	HPG2 (E)	HPG2	更新



	Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives		K			
2006	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWUDA Drive	cp048545.exe	MB014000GWUDA A	HPG3 (E)	HPG3	更新
2007	Online HDD/SSD Flash Component for Windows (x64) - MB016000GWXKK Drive	cp049127.exe	MB016000GWXK K	HPG3 (B)	HPG3	新規追加
2008	Online HDD/SSD Flash Component for Windows (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	cp048564.exe	MB1000GDUNU	HPG4 (I)	HPG4	更新
2009	Online HDD/SSD Flash Component for Windows (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	cp048564.exe	MB2000GDUNV	HPG4 (I)	HPG4	更新
2010	Online HDD/SSD Flash Component for Windows (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	cp048564.exe	MB3000GDUPA	HPG4 (I)	HPG4	更新
2011	Online HDD/SSD Flash Component for Windows (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives	cp048564.exe	MB4000GDUPB	HPG4 (I)	HPG4	更新
2012	Online HDD/SSD Flash Component for Windows (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	cp048568.exe	MB1000GVYZE	HPG4 (I)	HPG4	更新
2013	Online HDD/SSD Flash Component for Windows (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	cp048568.exe	MB2000GVYZF	HPG4 (I)	HPG4	更新
2014	Online HDD/SSD Flash Component for Windows (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	cp048568.exe	MB3000GVYZH	HPG4 (I)	HPG4	更新
2015	Online HDD/SSD Flash Component for Windows (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives	cp048568.exe	MB4000GVYZK	HPG4 (I)	HPG4	更新
2016	Online HDD/SSD Flash Component for Windows (x64) - MB2000GCWLT, MB3000GCWLU and MB4000GCWLV Drives	cp048574.exe	MB2000GCWLT	HPG4 (I)	HPG4	更新
2017	Online HDD/SSD Flash	cp048574.exe	MB3000GCWLU	HPG4 (I)	HPG4	更新

	Component for Windows (x64) - MB2000GCWLT, MB3000GCWLU and MB4000GCWLX Drives					
2018	Online HDD/SSD Flash Component for Windows (x64) - MB2000GCWLT, MB3000GCWLU and MB4000GCWLX Drives	cp048574.exe	MB4000GCWLX	HPG4 (I)	HPG4	更新
2019	Online HDD/SSD Flash Component for Windows (x64) - MB2000GFEMH and MB4000GFEMK Drives	cp048588.exe	MB2000GFEMH	HPG6 (H)	HPG6	更新
2020	Online HDD/SSD Flash Component for Windows (x64) - MB2000GFEMH and MB4000GFEMK Drives	cp048588.exe	MB4000GFEMK	HPG6 (H)	HPG6	更新
2021	Online HDD/SSD Flash Component for Windows (x64) - MB4000GEFNA and MB6000GEFNB Drives	cp048592.exe	MB4000GEFNA	HPG6 (I)	HPG6	更新
2022	Online HDD/SSD Flash Component for Windows (x64) - MB4000GEFNA and MB6000GEFNB Drives	cp048592.exe	MB6000GEFNB	HPG6 (I)	HPG6	更新
2023	Online HDD/SSD Flash Component for Windows (x64) - MB4000GEQNH and MB6000GEQNK Drives	cp048593.exe	MB4000GEQNH	HPGB (H)	HPGB	更新
2024	Online HDD/SSD Flash Component for Windows (x64) - MB4000GEQNH and MB6000GEQNK Drives	cp048593.exe	MB6000GEQNK	HPGB (H)	HPGB	更新
2025	Online HDD/SSD Flash Component for Windows (x64) - MB6000GEBTP Drive	cp048610.exe	MB6000GEBTP	HPG4 (H)	HPG4	更新
2026	Online HDD/SSD Flash Component for Windows (x64) - MB6000GEQUT and MB8000GEQUU Drives	cp048611.exe	MB6000GEQUT	HPGB (H)	HPGB	更新
2027	Online HDD/SSD Flash Component for Windows (x64) - MB6000GEQUT and MB8000GEQUU Drives	cp048611.exe	MB8000GEQUU	HPGB (H)	HPGB	更新
2028	Online HDD/SSD Flash Component for Windows (x64) - MB6000GEXXV Drive	cp048633.exe	MB6000GEXXV	HPG2 (I)	HPG2	更新
2029	Online HDD/SSD Flash Component for Windows (x64) - MB6000GVYYU Drive	cp048612.exe	MB6000GVYYU	HPG2 (H)	HPG2	更新
2030	Online HDD/SSD Flash Component for Windows (x64) - MB6000GVYZB and MB4000GVYZA Drives	cp048613.exe	MB6000GVYZB	HPG4 (E)	HPG4	更新
2031	Online HDD/SSD Flash Component for Windows (x64) - MB6000GVYZB and MB4000GVYZA Drives	cp048613.exe	MB4000GVYZA	HPG4 (E)	HPG4	更新
2032	Online HDD/SSD Flash Component for Windows (x64) - MB8000GFECR Drive	cp048618.exe	MB8000GFECR	HPG6 (E)	HPG6	更新
2033	Online HDD/SSD Flash Component for Windows (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCEV and	cp048624.exe	MK000480GWCEV	HPG3 (F)	HPG3	更新

	MK001920GWCFB Drives					
2034	Online HDD/SSD Flash Component for Windows (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	cp048624.exe	MK000960GWCFA	HPG3 (F)	HPG3	更新
2035	Online HDD/SSD Flash Component for Windows (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	cp048624.exe	MK001920GWCFB	HPG3 (F)	HPG3	更新
2036	Online HDD/SSD Flash Component for Windows (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFB Drives	cp048624.exe	MK000240GWCEU	HPG3 (F)	HPG3	更新
2037	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp048654.exe	MK000480GWSSC	HPG3 (C)	HPG3	更新
2038	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp048654.exe	MK000960GWSSD	HPG3 (C)	HPG3	更新
2039	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp048654.exe	MK001920GWSSE	HPG3 (C)	HPG3	更新
2040	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp048654.exe	MK003840GWSSF	HPG3 (C)	HPG3	更新
2041	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp049300.exe	MK000480GWXFF	HPG2	HPG2	更新
2042	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp049300.exe	MK000960GWXFH	HPG2	HPG2	更新
2043	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp049300.exe	MK001920GWXFK	HPG2	HPG2	更新
2044	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and	cp049300.exe	MK003840GWXFL	HPG2	HPG2	更新

	MK003840GWXFL Drives					
2045	Online HDD/SSD Flash Component for Windows (x64) - MK003840GWHT E Drive	cp048620.exe	MK003840GWHT E	HPG8 (B)	HPG8	更新
2046	Online HDD/SSD Flash Component for Windows (x64) - MK0960GECQK Drive	cp048621.exe	MK0960GECQK	HPG3 (K)	HPG3	更新
2047	Online HDD/SSD Flash Component for Windows (x64) - MM1000GEFQV and MM2000GEFRA Drives	cp048622.exe	MM1000GEFQV	HPG8 (G)	HPG8	更新
2048	Online HDD/SSD Flash Component for Windows (x64) - MM1000GEFQV and MM2000GEFRA Drives	cp048622.exe	MM2000GEFRA	HPG8 (G)	HPG8	更新
2049	Online HDD/SSD Flash Component for Windows (x64) - MM1000GFJTE Drive	cp048623.exe	MM1000GFJTE	HPG5 (E)	HPG5	更新
2050	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp048632.exe	MR000240GWFLU	HPGG (B)	HPGG	更新
2051	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp048632.exe	MR000480GWFLV	HPGG (B)	HPGG	更新
2052	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp048632.exe	VR000480GWFMD	HPGG (B)	HPGG	更新
2053	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp048632.exe	MR000960GWFMA	HPGG (B)	HPGG	更新
2054	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp048632.exe	VR000960GWFME	HPGG (B)	HPGG	更新
2055	Online HDD/SSD Flash Component for Windows	cp048632.exe	MR001920GWFMB	HPGG (B)	HPGG	更新

	(x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives					
2056	Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives	cp048632.exe	VR001920GWFMC	HPGG (B)	HPGG	更新
2057	Online HDD/SSD Flash Component for Windows (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	cp048635.exe	VK000150GWCNN	HPG1 (E)	HPG1	更新
2058	Online HDD/SSD Flash Component for Windows (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	cp048635.exe	VK000240GWCNP	HPG1 (E)	HPG1	更新
2059	Online HDD/SSD Flash Component for Windows (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	cp048635.exe	VK000480GWCNQ	HPG1 (E)	HPG1	更新
2060	Online HDD/SSD Flash Component for Windows (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	cp048635.exe	VK000960GWCNR	HPG1 (E)	HPG1	更新
2061	Online HDD/SSD Flash Component for Windows (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives	cp048635.exe	VK001600GWCNT	HPG1 (E)	HPG1	更新
2062	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	cp048637.exe	VK000480GWCFE	HPG3 (F)	HPG3	更新
2063	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	cp048637.exe	VK000960GWCFE	HPG3 (F)	HPG3	更新
2064	Online HDD/SSD Flash	cp048637.exe	VK000240GWCFD	HPG3 (F)	HPG3	更新

	Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives					
2065	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	cp048637.exe	VK001920GWCFH	HPG3 (F)	HPG3	更新
2066	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives	cp048637.exe	VK003840GWCFK	HPG3 (F)	HPG3	更新
2067	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp048636.exe	VK000240GWEZB	HPGG (B)	HPGG	更新
2068	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp048636.exe	VK000480GWEZC	HPGG (B)	HPGG	更新
2069	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp048636.exe	VK000960GWEZD	HPGG (B)	HPGG	更新
2070	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp048636.exe	VK001920GWEZE	HPGG (B)	HPGG	更新
2071	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE,	cp048636.exe	MK000240GWEZF	HPGG (B)	HPGG	更新

	MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives					
2072	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp048636.exe	MK000480GWEZ H	HPGG (B)	HPGG	更新
2073	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp048636.exe	MK000960GWEZK	HPGG (B)	HPGG	更新
2074	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives	cp048636.exe	MK001920GWHR U	HPGG (B)	HPGG	更新
2075	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp048664.exe	MK000240GWKV K	HPG5 (E)	HPG5	更新
2076	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp048664.exe	MK000480GWJPN	HPG5 (E)	HPG5	更新
2077	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and	cp048664.exe	MK000960GWJPP	HPG5 (E)	HPG5	更新

	MK001920GWJPQ Drives					
2078	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp048664.exe	MK001920GWJPQ	HPG5 (E)	HPG5	更新
2079	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp048664.exe	VK000240GWJPD	HPG5 (E)	HPG5	更新
2080	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp048664.exe	VK000480GWJPE	HPG5 (E)	HPG5	更新
2081	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp048664.exe	VK000960GWJPF	HPG5 (E)	HPG5	更新
2082	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp048664.exe	VK001920GWJPH	HPG5 (E)	HPG5	更新
2083	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and	cp048664.exe	VK003840GWJPK	HPG5 (E)	HPG5	更新



	MK001920GWJPQ Drives					
2084	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp048657.exe	VK000240GWSRQ	HPG4 (C)	HPG4	更新
2085	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp048657.exe	VK000480GWSRR	HPG4 (C)	HPG4	更新
2086	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp048657.exe	VK000960GWSRT	HPG4 (C)	HPG4	更新
2087	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp048657.exe	VK001920GWSRU	HPG4 (C)	HPG4	更新
2088	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp048657.exe	VK003840GWSRV	HPG4 (C)	HPG4	更新
2089	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN Drives	cp048241.exe	VK000240GWTSV	HPG6 (C)	HPG6	更新
2090	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH, MK000960GW TTK, MK001920GW TTL and MK003840GW TTN Drives	cp048241.exe	VK000480GWTTA	HPG6 (C)	HPG6	更新
2091	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GW TTC, VK003840GWTTD, MK000480GW TTH,	cp048241.exe	VK000960GWTTB	HPG6 (C)	HPG6	更新

	MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives					
2092	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp048241.exe	VK001920GWTTT	HPG6 (C)	HPG6	更新
2093	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp048241.exe	VK003840GWTTD	HPG6 (C)	HPG6	更新
2094	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp048241.exe	MK000480GWTT H	HPG6 (C)	HPG6	更新
2095	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp048241.exe	MK000960GWTTK	HPG6 (C)	HPG6	更新
2096	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp048241.exe	MK001920GWTTL	HPG6 (C)	HPG6	更新
2097	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTT, VK003840GWTTD, MK000480GWTTT,	cp048241.exe	MK003840GWTT N	HPG6 (C)	HPG6	更新

	MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives					
2098	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp049159.exe	VK000240GXAWE	HPG1 (B)	HPG1	新規追加
2099	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp049159.exe	VK000480GXAWK	HPG1 (B)	HPG1	新規追加
2100	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp049159.exe	VK000960GXAWL	HPG1 (B)	HPG1	新規追加
2101	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp049159.exe	VK001920GXAWN	HPG1 (B)	HPG1	新規追加
2102	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE,	cp049159.exe	VK003840GXAWP	HPG1 (B)	HPG1	新規追加

	VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
2103	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp049159.exe	VK007680GXAWQ	HPG1 (B)	HPG1	新規追加
2104	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp049159.exe	MK000480GXAWF	HPG1 (B)	HPG1	新規追加
2105	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp049159.exe	MK000960GXAXB	HPG1 (B)	HPG1	新規追加
2106	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF,	cp049159.exe	MK001920GXAW R	HPG1 (B)	HPG1	新規追加

	MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives					
2107	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp049159.exe	MK003840GXAW T	HPG1 (B)	HPG1	新規追加
2108	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp049159.exe	VR000240GXBBL	HPG1 (B)	HPG1	新規追加
2109	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp049159.exe	MR000480GXBGH	HPG1 (B)	HPG1	新規追加
2110	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp049159.exe	MR000960GXBGK	HPG1 (B)	HPG1	新規追加

2111	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp048638.exe	VK000480GWSXF	HPG3 (B)	HPG3	更新
2112	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp048638.exe	VK000960GWSXH	HPG3 (B)	HPG3	更新
2113	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp048638.exe	VK001920GWSXK	HPG3 (B)	HPG3	更新
2114	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp048638.exe	MK000480GWUG F	HPG3 (B)	HPG3	更新
2115	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp048638.exe	MK000960GWUG H	HPG3 (B)	HPG3	更新
2116	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp048638.exe	MK001920GWUG K	HPG3 (B)	HPG3	更新
2117	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp049277.exe	VK000480GWTHA	HPG3 (B)	HPG3	更新
2118	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp049277.exe	VK000960GWTHB	HPG3 (B)	HPG3	更新
2119	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp049277.exe	VK001920GWTHC	HPG3 (B)	HPG3	更新

2120	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp049277.exe	VK003840GWTHD	HPG3 (B)	HPG3	更新
2121	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp049155.exe	VK000480GZCNE	HPG1 (B)	HPG1	新規追加
2122	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp049155.exe	VK000960GZCNF	HPG1 (B)	HPG1	新規追加
2123	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp049155.exe	VK001920GZCNH	HPG1 (B)	HPG1	新規追加
2124	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp049155.exe	VK003840GZCNK	HPG1 (B)	HPG1	新規追加
2125	Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	cp049274.exe	VK000960GXCLD	HPG2 (B)	HPG2	新規追加
2126	Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	cp049274.exe	VK001920GXCGP	HPG2 (B)	HPG2	新規追加
2127	Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	cp049274.exe	VK003840GXCGQ	HPG2 (B)	HPG2	新規追加
2128	Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	cp049274.exe	VK007680GXCGR	HPG2 (B)	HPG2	新規追加
2129	Online HDD/SSD Flash Component for Windows (x64) - VK003840GWSXL Drive	cp048639.exe	VK003840GWSXL	HPG3 (B)	HPG3	更新
2130	Online HDD/SSD Flash Component for Windows (x64) - VK007680GWSXN Drive	cp048640.exe	VK007680GWSXN	HPG3 (B)	HPG3	更新
2131	Online HDD/SSD Flash Component for Windows (x64) - VK0120GFDKE, VK0240GFDKF,	cp048641.exe	VK0120GFDKE	HPG1 (H)	HPG1	更新

	VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives					
2132	Online HDD/SSD Flash Component for Windows (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives	cp048641.exe	VK0240GFDKF	HPG1 (H)	HPG1	更新
2133	Online HDD/SSD Flash Component for Windows (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives	cp048641.exe	VK0480GFDKH	HPG1 (H)	HPG1	更新
2134	Online HDD/SSD Flash Component for Windows (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives	cp048641.exe	VK0960GFDKK	HPG1 (H)	HPG1	更新
2135	Online HDD/SSD Flash Component for Windows (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives	cp048641.exe	VK1920GFDKL	HPG1 (H)	HPG1	更新
2136	Online HDD/SSD Flash Component for Windows (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives	cp048641.exe	VK3840GFDKN	HPG1 (H)	HPG1	更新
2137	Online HDD/SSD Flash Component for Windows (x64) - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives	cp048642.exe	VK0240GEPQN	HPG1 (H)	HPG1	更新
2138	Online HDD/SSD Flash Component for Windows (x64) - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives	cp048642.exe	VK0480GEPQP	HPG1 (H)	HPG1	更新
2139	Online HDD/SSD Flash Component for Windows (x64) - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives	cp048642.exe	VK0960GEPQQ	HPG1 (H)	HPG1	更新
2140	Online HDD/SSD Flash Component for Windows (x64) - VR000150GWEPP and VR000480GWEPR Drives	cp048647.exe	VR000150GWEPP	HPG1 (F)	HPG1	更新
2141	Online HDD/SSD Flash Component for Windows (x64) - VR000150GWEPP and VR000480GWEPR Drives	cp048647.exe	VR000480GWEPR	HPG1 (F)	HPG1	更新
2142	Online HDD/SSD Flash Component for Windows (x64) - XP0120GFJSL and XP0240GFJSN Drives	cp048646.exe	XP0120GFJSL	HPS4 (H)	HPS4	更新
2143	Online HDD/SSD Flash	cp048646.exe	XP0240GFJSN	HPS4 (H)	HPS4	更新



	Component for Windows (x64) - XP0120GFJSL and XP0240GFJSL Drives					
--	--	--	--	--	--	--

### 6.2.17 Firmware - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
2144	HPE SR932i-p and SR416i-a Gen10 Plus Controllers	HPE_SRXXX_Gen10P_3.01.04.072.fwpkg	Microchip SR416i-a Cntrl for HPE Gen10+	03.01.04.072	3.01.04.072	新規追加
2145	HPE SR932i-p and SR416i-a Gen10 Plus Controllers	HPE_SRXXX_Gen10P_3.01.04.072.fwpkg	Microchip SR932i-p Cntrl for HPE Gen10+	03.01.04.072	3.01.04.072	新規追加
2146	Online ROM Flash Component for VMware ESXi - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers	CP049281.zip	HPE 12Gb SAS Expander Card	5.10	5.10	更新
2147	Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	CP047425.zip	HPE Smart Array P816i-a SR Gen10 Controller	4.11	4.11	更新
2148	Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	CP047425.zip	HPE Smart Array P408i-a SR Gen10 Controller	4.11	4.11	更新
2149	Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	CP047425.zip	HPE Smart Array P408i-p SR Gen10 Controller	4.11	4.11	更新
2150	Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	CP047425.zip	HPE Smart Array E208e-p SR Gen10 Controller	4.11	4.11	更新
2151	Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	CP047425.zip	HPE Smart Array E208i-p SR Gen10 Controller	4.11	4.11	更新
2152	Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m,	CP047425.zip	HPE Smart Array E208i-a SR Gen10 Controller	4.11	4.11	更新

	P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10					
2153	Online ROM Flash Component for Windows (x64) - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers	cp049280.exe	HPE 12Gb SAS Expander Card	5.10	5.10	更新
2154	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	cp047424.exe	HPE Smart Array P816i-a SR Gen10 Controller	4.11	4.11	更新
2155	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	cp047424.exe	HPE Smart Array P408i-a SR Gen10 Controller	4.11	4.11	更新
2156	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	cp047424.exe	HPE Smart Array P408i-p SR Gen10 Controller	4.11	4.11	更新
2157	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	cp047424.exe	HPE Smart Array E208e-p SR Gen10 Controller	4.11	4.11	更新
2158	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	cp047424.exe	HPE Smart Array E208i-p SR Gen10 Controller	4.11	4.11	更新
2159	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	cp047424.exe	HPE Smart Array E208i-a SR Gen10 Controller	4.11	4.11	更新
2160	Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p,	firmware-smartarray-f7c07bdbbd-4.11-1.1.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	4.11	4.11	更新

	P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10					
2161	Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	firmware-smartarray-f7c07bdbbd-4.11-1.1.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	4.11	4.11	更新
2162	Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	firmware-smartarray-f7c07bdbbd-4.11-1.1.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	4.11	4.11	更新
2163	Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	firmware-smartarray-f7c07bdbbd-4.11-1.1.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	4.11	4.11	更新
2164	Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	firmware-smartarray-f7c07bdbbd-4.11-1.1.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	4.11	4.11	更新
2165	Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, E208i-p, E208e-p, E208i-a, P816i-a SR Gen10	firmware-smartarray-f7c07bdbbd-4.11-1.1.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	4.11	4.11	更新
2166	Supplemental Update / Online ROM Flash Component for Linux (x64) 囊 • HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers	firmware-smartarray-1f19a4a64d-5.10-1.1.x86_64.rpm	HPE 12Gb SAS Expander Card	5.10	5.10	更新
2167	Universal Firmware Package for HPE Boot Controller NS204i-p	HPE_NS204i_Gen10P_P LDM_1060.fwpkg	HPE NS204i-r Gen10+ Boot Controller	1.0.14.1060	1.0.14.1060	新規追加
2168	Universal Firmware Package for HPE Boot Controller NS204i-p	HPE_NS204i_Gen10P_P LDM_1060.fwpkg	HPE NS204i-p Gen10+ Boot Controller	1.0.14.1060	1.0.14.1060	新規追加

### 6.2.18 Firmware - Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
2169	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2021.10.01-1.18.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2170	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2021.10.01-1.18.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2171	HPE Firmware Flash for Emulex Fibre Channel Host	firmware-fc-emulex-2021.10.01-	HPE SN1600E 32Gb Dual Port	2021.10.01	12.8.528.12	更新

	Bus Adapters for Linux (x64)	1.18.x86_64.rpm	Fibre Channel Host Bus Adapter			
2172	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2021.10.01-1.18.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2173	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2021.10.01-1.18.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2174	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2021.10.01-1.18.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2175	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2016/2019/2022 x64	cp046805.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2176	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2016/2019/2022 x64	cp046805.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2177	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2016/2019/2022 x64	cp046805.exe	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2178	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2016/2019/2022 x64	cp046805.exe	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2179	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2016/2019/2022 x64	cp046805.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2180	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2016/2019/2022 x64	cp046805.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2181	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP046801.zip	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2182	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP046801.zip	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2183	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP046801.zip	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2184	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP046801.zip	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2185	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP046801.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2186	HPE Firmware Flash for Emulex Fibre Channel Host	CP046801.zip	HPE SN1610E 32Gb 2-port Fibre	2021.10.01	12.8.528.12	更新

	Bus Adapters for VMware vSphere 6.5		Channel Host Bus Adapter			
2187	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP046802.zip	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2188	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP046802.zip	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2189	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP046802.zip	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2190	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP046802.zip	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2191	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP046802.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2192	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP046802.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2193	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP046803.zip	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2194	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP046803.zip	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2195	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP046803.zip	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2196	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP046803.zip	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2197	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP046803.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2198	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP046803.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.12	更新
2199	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2021.10.01-1.10.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	01.75.07	更新
2200	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2021.10.01-1.10.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	01.75.07	更新
2201	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2021.10.01-1.10.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	01.75.07	更新
2202	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2021.10.01-1.10.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	01.75.07	更新

2203	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2021.10.01-1.10.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2021.10.01	02.05.03	更新
2204	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2021.10.01-1.10.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2021.10.01	02.05.03	更新
2205	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2016/2019/2022 (x86_64)	cp046938.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	01.75.07	更新
2206	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2016/2019/2022 (x86_64)	cp046938.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	01.75.07	更新
2207	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2016/2019/2022 (x86_64)	cp046938.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	01.75.07	更新
2208	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2016/2019/2022 (x86_64)	cp046938.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	01.75.07	更新
2209	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2016/2019/2022 (x86_64)	cp046938.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2021.10.01	02.05.03	更新
2210	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2016/2019/2022 (x86_64)	cp046938.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2021.10.01	02.05.03	更新
2211	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP046820.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	01.75.07	更新
2212	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP046820.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	01.75.07	更新
2213	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP046820.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	01.75.07	更新
2214	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP046820.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	01.75.07	更新
2215	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP046820.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2021.10.01	02.05.03	更新
2216	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP046820.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2021.10.01	02.05.03	更新
2217	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP046821.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	01.75.07	更新

2218	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP046821.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	01.75.07	更新
2219	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP046821.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	01.75.07	更新
2220	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP046821.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	01.75.07	更新
2221	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP046821.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2021.10.01	02.05.03	更新
2222	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP046821.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2021.10.01	02.05.03	更新
2223	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP046822.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	01.75.07	更新
2224	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP046822.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	01.75.07	更新
2225	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP046822.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	01.75.07	更新
2226	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP046822.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	01.75.07	更新
2227	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP046822.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2021.10.01	02.05.03	更新
2228	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP046822.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2021.10.01	02.05.03	更新

## 6.2.19 Firmware – System

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
2229	Firmware Package - Gen10 NVMe Backplane PIC Firmware	ISS_NVMe_BP_PIC_flashV1B24.fwpkg	NVMe Backplane PIC	1.24 (B)	1.24	更新
2230	Firmware Package - Gen10Plus UBM2 Backplane PIC Firmware	UBM2_V1.16.fwpkg	UBM2 Backplane PIC	1.16 (B)	V1.16	更新
2231	Firmware Package - Gen10Plus UBM3 Backplane PIC Firmware	UBM3_V1.22.fwpkg	UBM3 Backplane PIC	1.22	V1.22	更新
2232	Firmware Package - Gen10Plus UBM4 Backplane PIC Firmware	UBM4_V1.22.fwpkg	UBM4 Backplane PIC	1.22	V1.22	更新
2233	Online Flash Component for Linux - Gen10 NVMe Backplane PIC Firmware	firmware-nvmebackplane-gen10-1.24-2.1.x86_64.rpm	NVMe Backplane PIC	1.24 (B)	1.24	更新
2234	Online Flash Component for Linux - Gen10Plus UBM2	firmware-smartarray-40023de47f-1.16-	Gen10Plus_UBM2_Backplane_PIC	1.16 (B)	1.16	更新

	Backplane PIC Firmware	2.1.x86_64.rpm				
2235	Online Flash Component for Linux - Gen10Plus UBM3 Backplane PIC Firmware	firmware-ff3fa73ca1-1.22-1.1.x86_64.rpm	Gen10Plus_UBM3_Backplane_PIC	1.22	1.22	更新
2236	Online Flash Component for Linux - Gen10Plus UBM4 Backplane PIC Firmware	firmware-8586fe2547-1.22-1.1.x86_64.rpm	Gen10Plus_UBM4_Backplane_PIC	1.22	1.22	更新
2237	Online Flash Component for VMware Esxi - Gen10Plus UBM2 Backplane PIC Firmware	CP049544.zip	Gen10Plus_UBM2_Backplane_PIC	1.16 (B)	1.16	更新
2238	Online Flash Component for VMware Esxi - Gen10Plus UBM3 Backplane PIC Firmware	CP049065.zip	Gen10Plus_UBM3_Backplane_PIC	1.22	1.22	更新
2239	Online Flash Component for VMware Esxi - Gen10Plus UBM4 Backplane PIC Firmware	CP049069.zip	Gen10Plus_UBM3_Backplane_PIC	1.22	1.22	更新
2240	Online Flash Component for Windows x64 - Gen10 NVMe Backplane PIC Firmware	cp049218.exe	NVMe Backplane PIC	1.24 (B)	1.24	更新
2241	Online Flash Component for Windows x64 - Gen10Plus UBM2 Backplane PIC Firmware	cp049542.exe	Gen10Plus_UBM2_Backplane_PIC	1.16 (B)	1.16	更新
2242	Online Flash Component for Windows x64 - Gen10Plus UBM3 Backplane PIC Firmware	cp049063.exe	Gen10Plus_UBM3_Backplane_PIC	1.22	1.22	更新
2243	Online Flash Component for Windows x64 - Gen10Plus UBM4 Backplane PIC Firmware	cp049067.exe	Gen10Plus_UBM4_Backplane_PIC	1.22	1.22	更新
2244	Online Flash for Linux - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	firmware-ie-0.2.2.3-1.1.x86_64.rpm	Innovation Engine (IE) Firmware	0.2.2.3	0.2.2.3	更新
2245	Online Flash for Linux - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	firmware-sps-04.01.04.505-1.1.x86_64.rpm	Server Platform Services (SPS) Firmware	04.01.04.505	04.01.04.505	更新
2246	Online Flash for Linux - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	firmware-sps-04.04.04.058-1.1.x86_64.rpm	Server Platform Services (SPS) Firmware	04.04.04.058	04.04.04.058	新規追加
2247	Online Flash for Windows x64 - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	cp047811.exe	Server Platform Services (SPS) Firmware	04.01.04.505	04.01.04.505	更新
2248	Online Flash for Windows x64 - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series	cp048757.exe	Server Platform Services (SPS) Firmware	04.04.04.058	04.04.04.058	新規追加



	Processors					
2249	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	cp047670.exe	Server Platform Services (SPS) Firmware for Intel C242 and C...	05.01.04.303	05.01.04.303	更新
2250	Online ROM Flash for Linux - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	firmware-ie-1.0.0.20-1.1.x86_64.rpm	Innovation Engine (IE) Firmware	1.0.0.20	1.0.0.20	新規追加
2251	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	firmware-u43u44sps-05.01.04.303-1.1.x86_64.rpm	Server Platform Services (SPS) Firmware for Intel C242 and C...	05.01.04.303	05.01.04.303	更新
2252	ROM Flash Firmware Package - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	OEM.IEGen10_0.2.2.3.fwpkg	Innovation Engine (IE) Universal Image.	0.2.2.3	0.2.2.3	更新
2253	ROM Flash Firmware Package - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	OEM.IEGen10Plus_1.0.0.20.fwpkg	Innovation Engine (IE) Universal Image	1.0.0.20	1.0.0.20	新規追加
2254	ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors	OEM.SPSGen10_04.01.04.505.fwpkg	Server Platform Services (SPS) Firmware	04.01.04.505	04.01.04.505	更新
2255	ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	OEM.SPSGen10Plus_04.04.04.058.fwpkg	Server Platform Services (SPS) Firmware	04.04.04.058	04.04.04.058	新規追加
2256	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	OEM.DL20ML30Gen10SPS_05.01.04.303.fwpkg	Server Platform Services (SPS) E3 Firmware	05.01.04.303	05.01.04.303	更新

## 6.2.20 Software - Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
2257	HPE Lights-Out Online Configuration Utility for Linux (AMD64/EM64T)	hponcfg-5.6.0-0.x86_64.rpm	-	5.6.0-0	5.6.0-0	
2258	HPE Lights-Out Online Configuration Utility for Windows x64 Editions	cp048230.exe	-	5.5.0.0 (C)	5.5.0.0 (C)	新規追加

## 6.2.21 Software - Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
2259	HPE Agentless Management Bundle Smart Component on ESXi 7.0 for Gen10 and Gen10 Plus Servers	cp047520.zip	-	2021.10.01	701.11.8.0.15-10EM.701.0.0.16850804	更新
2260	HPE CRU Driver Bundle Smart Component for ESXi 7.0	cp044598.zip	-	2020.04.01 (A)	700.10.16-10EM.700.0.0.14828939	
2261	HPE Fiber Channel and Storage Enablement Bundle Smart Component for ESXi 7.0	cp047521.zip	-	2021.10.01	2021.10.01	更新
2262	HPE iLO Driver Bundle Smart Component for ESXi 7.0	cp047518.zip	-	2021.09.01	700.10.7.5.2-10EM.700.1.0.15843807	更新
2263	HPE Management Bundle Smart Component for ESXi 6.5 for Gen10 and Gen10 Plus Servers	cp047523.zip	-	2021.10.01	2021.10.01	更新
2264	HPE Management Bundle Smart Component for ESXi 6.7 for Gen10 and Gen10 Plus Servers	cp047522.zip	-	2021.10.01	2021.10.01	更新
2265	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0	cp048323.zip	Microchip SR416i-a Cntrl for HPE Gen10+	2021.10.01	5.20.8.0-7.0.0.1552599.2.oem	新規追加
2266	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0	cp048323.zip	Microchip SR932i-p Cntrl for HPE Gen10+	2021.10.01	5.20.8.0-7.0.0.1552599.2.oem	新規追加
2267	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0	cp048323.zip	HPE Smart Array P816i-a SR Gen10 Controller	2021.10.01	5.20.8.0-7.0.0.1552599.2.oem	更新
2268	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0	cp048323.zip	HPE Smart Array P408i-a SR Gen10 Controller	2021.10.01	5.20.8.0-7.0.0.1552599.2.oem	更新
2269	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0	cp048323.zip	HPE Smart Array P408i-p SR Gen10 Controller	2021.10.01	5.20.8.0-7.0.0.1552599.2.oem	更新
2270	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0	cp048323.zip	HPE Smart Array E208e-p SR Gen10 Controller	2021.10.01	5.20.8.0-7.0.0.1552599.2.oem	更新
2271	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0	cp048323.zip	HPE Smart Array E208i-a SR Gen10 Controller	2021.10.01	5.20.8.0-7.0.0.1552599.2.oem	更新
2272	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0	cp048323.zip	HPE Smart Array E208i-p SR Gen10 Controller	2021.10.01	5.20.8.0-7.0.0.1552599.2.oem	更新

## 6.2.22 Software - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
2273	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp049025.exe	HPE Smart Array P408i-a SR Gen10 Controller	1.2.1.66	1.2.1.66	更新
2274	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp049025.exe	HPE Smart Array P408i-p SR Gen10 Controller	1.2.1.66	1.2.1.66	更新

2275	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp049025.exe	HPE Smart Array P816i-a SR Gen10 Controller	1.2.1.66	1.2.1.66	更新
2276	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp049025.exe	HPE Smart Array E208e-p SR Gen10 Controller	1.2.1.66	1.2.1.66	更新
2277	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp049025.exe	HPE Smart Array E208i-p SR Gen10 Controller	1.2.1.66	1.2.1.66	更新
2278	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp049025.exe	HPE Smart Array E208i-a SR Gen10 Controller	1.2.1.66	1.2.1.66	更新

### 6.2.23 Software - Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
2279	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	4.1-1 (d)	4.1-1_rhel	更新
2280	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	4.1-1 (d)	4.1-1_rhel	更新
2281	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	4.1-1 (d)	4.1-1_rhel	更新
2282	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	4.1-1 (d)	4.1-1_rhel	更新
2283	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	4.1-1 (d)	4.1-1_rhel	更新
2284	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	4.1-1 (d)	4.1-1_rhel	更新
2285	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	4.1-1 (d)	4.1-1_rhel	更新
2286	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	4.1-1 (d)	4.1-1_rhel	更新
2287	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	4.1-1 (d)	4.1-1_rhel	更新
2288	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)	fibreutils-4.1-1_rhel.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	4.1-1 (d)	4.1-1_rhel	更新
2289	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters and Mezzanine Host Bus Adapters for Red Hat Enterprise Linux 7 Server	HPE-CNA-FC-Emulex-Enablement-Kit-12.8.526.0-1.rhel7.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	12.8.526.0	12.8.526.0-1.rhel7	更新

2290	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters and Mezzanine Host Bus Adapters for Red Hat Enterprise Linux 7 Server	HPE-CNA-FC-Emulex-Enablement-Kit-12.8.526.0-1.rhel7.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	12.8.526.0	12.8.526.0-1.rhel7	更新
2291	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters and Mezzanine Host Bus Adapters for Red Hat Enterprise Linux 7 Server	HPE-CNA-FC-Emulex-Enablement-Kit-12.8.526.0-1.rhel7.x86_64.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	12.8.526.0	12.8.526.0-1.rhel7	更新
2292	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters and Mezzanine Host Bus Adapters for Red Hat Enterprise Linux 7 Server	HPE-CNA-FC-Emulex-Enablement-Kit-12.8.526.0-1.rhel7.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	12.8.526.0	12.8.526.0-1.rhel7	更新
2293	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters and Mezzanine Host Bus Adapters for Red Hat Enterprise Linux 7 Server	HPE-CNA-FC-Emulex-Enablement-Kit-12.8.526.0-1.rhel7.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	12.8.526.0	12.8.526.0-1.rhel7	更新
2294	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters and Mezzanine Host Bus Adapters for Red Hat Enterprise Linux 7 Server	HPE-CNA-FC-Emulex-Enablement-Kit-12.8.526.0-1.rhel7.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	12.8.526.0	12.8.526.0-1.rhel7	更新
2295	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters and Mezzanine Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-12.8.526.0-1.rhel8.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	12.8.526.0	12.8.526.0-1.rhel8	更新
2296	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters and Mezzanine Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-12.8.526.0-1.rhel8.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	12.8.526.0	12.8.526.0-1.rhel8	更新
2297	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters and Mezzanine Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-12.8.526.0-1.rhel8.x86_64.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	12.8.526.0	12.8.526.0-1.rhel8	更新
2298	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters and Mezzanine Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-12.8.526.0-1.rhel8.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	12.8.526.0	12.8.526.0-1.rhel8	更新
2299	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters and Mezzanine Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-12.8.526.0-1.rhel8.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	12.8.526.0	12.8.526.0-1.rhel8	更新
2300	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters and Mezzanine Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-12.8.526.0-1.rhel8.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	12.8.526.0	12.8.526.0-1.rhel8	更新
2301	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.0-4 (g)	1.0.0.0-4	更新
2302	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.0-4 (g)	1.0.0.0-4	更新
2303	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel	1.0.0.0-4 (g)	1.0.0.0-4	更新

			Host Bus Adapter			
2304	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.0-4 (g)	1.0.0.0-4	更新
2305	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.0-4 (g)	1.0.0.0-4	更新
2306	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.0-4 (g)	1.0.0.0-4	更新
2307	HPE Emulex Smart SAN Enablement Kit for Microsoft Windows Server 2016/2019 (x86_64)	cp047610.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (k)	1.0.0.1 (k)	更新
2308	HPE Emulex Smart SAN Enablement Kit for Microsoft Windows Server 2016/2019 (x86_64)	cp047610.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (k)	1.0.0.1 (k)	更新
2309	HPE Emulex Smart SAN Enablement Kit for Microsoft Windows Server 2016/2019 (x86_64)	cp047610.exe	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (k)	1.0.0.1 (k)	更新
2310	HPE Emulex Smart SAN Enablement Kit for Microsoft Windows Server 2016/2019 (x86_64)	cp047610.exe	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (k)	1.0.0.1 (k)	更新
2311	HPE Emulex Smart SAN Enablement Kit for Microsoft Windows Server 2016/2019 (x86_64)	cp047610.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1 (k)	1.0.0.1 (k)	更新
2312	HPE Emulex Smart SAN Enablement Kit for Microsoft Windows Server 2016/2019 (x86_64)	cp047610.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1 (k)	1.0.0.1 (k)	更新
2313	HPE NVMe Fibre Channel Enablement Kit for Emulex Host Bus Adapters for Linux Server	nvmefc-connect-12.8.264.0-1.rhel7u8.noarch.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	12.8.264.0 (b)	12.8.264.0-1.rhel7u8	更新
2314	HPE NVMe Fibre Channel Enablement Kit for Emulex Host Bus Adapters for Linux Server	nvmefc-connect-12.8.264.0-1.rhel7u8.noarch.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	12.8.264.0 (b)	12.8.264.0-1.rhel7u8	更新
2315	HPE NVMe Fibre Channel Enablement Kit for Emulex Host Bus Adapters for Linux Server	nvmefc-connect-12.8.264.0-1.rhel7u8.noarch.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	12.8.264.0 (b)	12.8.264.0-1.rhel7u8	更新
2316	HPE NVMe Fibre Channel Enablement Kit for Emulex Host Bus Adapters for Linux Server	nvmefc-connect-12.8.264.0-1.rhel7u8.noarch.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	12.8.264.0 (b)	12.8.264.0-1.rhel7u8	更新
2317	HPE NVMe Fibre Channel Enablement Kit for Emulex Host Bus Adapters for Linux Server	nvmefc-connect-12.8.264.0-1.rhel7u8.noarch.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	12.8.264.0 (b)	12.8.264.0-1.rhel7u8	更新
2318	HPE NVMe Fibre Channel Enablement Kit for Emulex Host Bus Adapters for Linux Server	nvmefc-connect-12.8.264.0-1.rhel7u8.noarch.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	12.8.264.0 (b)	12.8.264.0-1.rhel7u8	更新
2319	HPE NVMe Fibre Channel Enablement Kit for Emulex Host Bus Adapters for Linux Server	nvmefc-connect-12.8.264.0-1.rhel7u9.noarch.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	12.8.264.0 (b)	12.8.264.0-1.rhel7u9	更新
2320	HPE NVMe Fibre Channel	nvmefc-connect-	HPE SN1200E	12.8.264.0	12.8.264.0-	更新

	Enablement Kit for Emulex Host Bus Adapters for Linux Server	12.8.264.0-1.rhel7u9.noarch.rpm	16Gb Single Port Fibre Channel Host Bus Adapter	(b)	1.rhel7u9	
2321	HPE NVMe Fibre Channel Enablement Kit for Emulex Host Bus Adapters for Linux Server	nvmefc-connect-12.8.264.0-1.rhel7u9.noarch.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	12.8.264.0 (b)	12.8.264.0-1.rhel7u9	更新
2322	HPE NVMe Fibre Channel Enablement Kit for Emulex Host Bus Adapters for Linux Server	nvmefc-connect-12.8.264.0-1.rhel7u9.noarch.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	12.8.264.0 (b)	12.8.264.0-1.rhel7u9	更新
2323	HPE NVMe Fibre Channel Enablement Kit for Emulex Host Bus Adapters for Linux Server	nvmefc-connect-12.8.264.0-1.rhel7u9.noarch.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	12.8.264.0 (b)	12.8.264.0-1.rhel7u9	更新
2324	HPE NVMe Fibre Channel Enablement Kit for Emulex Host Bus Adapters for Linux Server	nvmefc-connect-12.8.264.0-1.rhel7u9.noarch.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	12.8.264.0 (b)	12.8.264.0-1.rhel7u9	更新
2325	HPE QLogic Fibre Channel driver component for VMware vSphere 6.5	cp046817.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	2.1.101.0-10EM.600.0.0.2768847	更新
2326	HPE QLogic Fibre Channel driver component for VMware vSphere 6.5	cp046817.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	2.1.101.0-10EM.600.0.0.2768847	更新
2327	HPE QLogic Fibre Channel driver component for VMware vSphere 6.5	cp046817.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	2.1.101.0-10EM.600.0.0.2768847	更新
2328	HPE QLogic Fibre Channel driver component for VMware vSphere 6.5	cp046817.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	2.1.101.0-10EM.600.0.0.2768847	更新
2329	HPE QLogic Fibre Channel driver component for VMware vSphere 6.5	cp046817.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2021.10.01	2.1.101.0-10EM.600.0.0.2768847	更新
2330	HPE QLogic Fibre Channel driver component for VMware vSphere 6.5	cp046817.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2021.10.01	2.1.101.0-10EM.600.0.0.2768847	更新
2331	HPE QLogic Fibre Channel driver component for VMware vSphere 6.7	cp046818.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	3.1.46.0-10EM.670.0.0.8169922	更新
2332	HPE QLogic Fibre Channel driver component for VMware vSphere 6.7	cp046818.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	3.1.46.0-10EM.670.0.0.8169922	更新
2333	HPE QLogic Fibre Channel driver component for VMware vSphere 6.7	cp046818.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	3.1.46.0-10EM.670.0.0.8169922	更新
2334	HPE QLogic Fibre Channel driver component for VMware vSphere 6.7	cp046818.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	3.1.46.0-10EM.670.0.0.8169922	更新
2335	HPE QLogic Fibre Channel driver component for VMware vSphere 6.7	cp046818.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2021.10.01	3.1.46.0-10EM.670.0.0.8169922	更新
2336	HPE QLogic Fibre Channel driver component for VMware vSphere 6.7	cp046818.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus	2021.10.01	3.1.46.0-10EM.670.0.0.8169922	更新

			Adapter			
2337	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp046819.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	4.1.34.0-10EM.700.1.0.15843807	更新
2338	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp046819.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	4.1.34.0-10EM.700.1.0.15843807	更新
2339	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp046819.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	4.1.34.0-10EM.700.1.0.15843807	更新
2340	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp046819.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	4.1.34.0-10EM.700.1.0.15843807	更新
2341	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp046819.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2021.10.01	4.1.34.0-10EM.700.1.0.15843807	更新
2342	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp046819.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2021.10.01	4.1.34.0-10EM.700.1.0.15843807	更新
2343	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter and Mezzanine Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.0-16.noarch.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	6.0.0.0-16 (b)	6.0.0.0-16	更新
2344	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter and Mezzanine Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.0-16.noarch.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	6.0.0.0-16 (b)	6.0.0.0-16	更新
2345	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter and Mezzanine Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.0-16.noarch.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	6.0.0.0-16 (b)	6.0.0.0-16	更新
2346	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter and Mezzanine Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.0-16.noarch.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	6.0.0.0-16 (b)	6.0.0.0-16	更新
2347	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter and Mezzanine Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.0-16.noarch.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	6.0.0.0-16 (b)	6.0.0.0-16	更新
2348	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter and Mezzanine Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.0-16.noarch.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	6.0.0.0-16 (b)	6.0.0.0-16	更新
2349	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2016/2019 (x86_64)	cp042521.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (j)	1.0.0.1 (j)	更新
2350	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2016/2019 (x86_64)	cp042521.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (j)	1.0.0.1 (j)	更新
2351	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2016/2019 (x86_64)	cp042521.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (j)	1.0.0.1 (j)	更新
2352	HPE QLogic Smart SAN Enablement Kit for Fibre	cp042521.exe	HPE SN1600Q 32Gb Single Port	1.0.0.1 (j)	1.0.0.1 (j)	更新

	Channel Host Bus Adapter for Microsoft Windows Server 2016/2019 (x86_64)		Fibre Channel Host Bus Adapter			
2353	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2016/2019 (x86_64)	cp042521.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1 (j)	1.0.0.1 (j)	更新
2354	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2016/2019 (x86_64)	cp042521.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1 (j)	1.0.0.1 (j)	更新
2355	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	3.3-3 (i)	3.3-3	更新
2356	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	3.3-3 (i)	3.3-3	更新
2357	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	3.3-3 (i)	3.3-3	更新
2358	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	3.3-3 (i)	3.3-3	更新
2359	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	3.3-3 (i)	3.3-3	更新
2360	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	3.3-3 (i)	3.3-3	更新
2361	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.5	cp046811.zip	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.317.0-10EM.650.0.0.4598673	更新
2362	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.5	cp046811.zip	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.317.0-10EM.650.0.0.4598673	更新
2363	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.5	cp046811.zip	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.317.0-10EM.650.0.0.4598673	更新
2364	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.5	cp046811.zip	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.317.0-10EM.650.0.0.4598673	更新
2365	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.5	cp046811.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2021.10.01	12.8.317.0-10EM.650.0.0.4598673	更新
2366	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.5	cp046811.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2021.10.01	12.8.317.0-10EM.650.0.0.4598673	更新
2367	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.7	cp046812.zip	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.14-10EM.670.0.0.8169922	更新
2368	HPE Storage Emulex Fibre	cp046812.zip	HPE SN1200E	2021.10.01	12.8.528.14-	更新



	Channel driver component for VMware vSphere 6.7		16Gb Single Port Fibre Channel Host Bus Adapter		1OEM.670.0.0.8169922	
2369	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.7	cp046812.zip	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.14-1OEM.670.0.0.8169922	更新
2370	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.7	cp046812.zip	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.14-1OEM.670.0.0.8169922	更新
2371	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.7	cp046812.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.14-1OEM.670.0.0.8169922	更新
2372	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.7	cp046812.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.14-1OEM.670.0.0.8169922	更新
2373	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp046813.zip	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.13-1OEM.700.1.0.15843807	更新
2374	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp046813.zip	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.13-1OEM.700.1.0.15843807	更新
2375	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp046813.zip	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.13-1OEM.700.1.0.15843807	更新
2376	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp046813.zip	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.13-1OEM.700.1.0.15843807	更新
2377	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp046813.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.13-1OEM.700.1.0.15843807	更新
2378	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp046813.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.13-1OEM.700.1.0.15843807	更新
2379	HPE Storage Emulex Fibre Channel NVMe driver component for VMware vSphere 7.0	cp046800.zip	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.7-1OEM.700.1.0.15843807	更新
2380	HPE Storage Emulex Fibre Channel NVMe driver component for VMware vSphere 7.0	cp046800.zip	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.7-1OEM.700.1.0.15843807	更新
2381	HPE Storage Emulex Fibre Channel NVMe driver component for VMware vSphere 7.0	cp046800.zip	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.7-1OEM.700.1.0.15843807	更新
2382	HPE Storage Emulex Fibre Channel NVMe driver component for VMware vSphere 7.0	cp046800.zip	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.7-1OEM.700.1.0.15843807	更新
2383	HPE Storage Emulex Fibre Channel NVMe driver component for VMware vSphere 7.0	cp046800.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2021.10.01	12.8.528.7-1OEM.700.1.0.15843807	更新
2384	HPE Storage Emulex Fibre Channel NVMe driver component for VMware	cp046800.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus	2021.10.01	12.8.528.7-1OEM.700.1.0.15843807	更新

	vSphere 7.0		Adapter			
--	-------------	--	---------	--	--	--

## 6.2.24 Software - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
2385	Agentless Management Service (iLO 5) for Red Hat Enterprise Linux 7 Server	amsd-2.5.0-1675.24.rhel7.x86_64.rpm	-	2.5.0	2.5.0-1675.24.rhel7	更新
2386	Agentless Management Service (iLO 5) for Red Hat Enterprise Linux 8 Server	amsd-2.5.0-1675.24.rhel8.x86_64.rpm	-	2.5.0	2.5.0-1675.24.rhel8	更新
2387	Agentless Management Service for Microsoft Windows x64	cp047403.exe	-	2.50.0.0	2.50.0.0	更新
2388	NVMe Drive Eject NMI Fix for Intel Xeon Processor Scalable Family for Microsoft Windows 64-bit	cp047948.exe	-	1.1.0.0 (D)	1.1.0.0 (D)	更新
2389	Smart Storage Administrator (SSA) CLI for Linux 64-bit	ssacli-5.20-8.0.x86_64.rpm	-	5.20.8.0	5.20-8.0	更新
2390	Smart Storage Administrator (SSA) CLI for Windows 64-bit	cp047063.exe	-	5.20.8.0	5.20.8.0	更新
2391	Smart Storage Administrator (SSA) for Linux 64-bit	ssa-5.20-8.0.x86_64.rpm	-	5.20.8.0	5.20-8.0	更新
2392	Smart Storage Administrator (SSA) for Windows 64-bit	cp047062.exe	-	5.20.8.0	5.20.8.0	更新
2393	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit	ssaducli-5.20-8.0.x86_64.rpm	-	5.20.8.0	5.20-8.0	更新
2394	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit	cp047064.exe	-	5.20.8.0	5.20.8.0	更新

## 6.2.25 Utility - Tools

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
2395	HPE NFS host agent for RedHat Enterprise Linux(RHEL) Server -7/8	HPE-NFC-host-agent-RHEL-1.0-1.rhel7u8.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0-1 (b)	1.0-1.rhel7u8	更新
2396	HPE NFS host agent for RedHat Enterprise Linux(RHEL) Server -7/8	HPE-NFC-host-agent-RHEL-1.0-1.rhel7u8.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0-1 (b)	1.0-1.rhel7u8	更新
2397	HPE NFS host agent for RedHat Enterprise Linux(RHEL) Server -7/8	HPE-NFC-host-agent-RHEL-1.0-1.rhel7u9.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0-1 (b)	1.0-1.rhel7u9	更新
2398	HPE NFS host agent for RedHat Enterprise Linux(RHEL) Server -7/8	HPE-NFC-host-agent-RHEL-1.0-1.rhel7u9.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0-1 (b)	1.0-1.rhel7u9	更新
2399	HPE Utilities Bundle Smart Component for ESXi 6.5	cp047458.zip	-	2021.10.01	2021.10.01	更新
2400	HPE Utilities Bundle Smart Component for ESXi 6.7	cp047397.zip	-	2021.10.01	2021.10.01	更新
2401	HPE Utilities Bundle Smart Component for ESXi 7.0	cp047396.zip	-	2021.10.01	2021.10.01	更新

## 6.3 パッケージの変更内容

---

### Online ROM Flash Component for Linux - OEM System ROM U34

#### **Important Note!**

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2021.1 guidance.

#### **Problems Fixed:**

- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for security vulnerabilities documented as CVE-2020-24511. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-464. The Intel microcode patches included in this release are version 0x02006B06 (CPUID 50654) and 0x05003103 (CPUID 50567). These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2020-12358, CVE-2020-12360, and CVE-2020-24486. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00463. These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel microcode which address various functional issues documented in the Intel Technical Specification update. These issues are documented as the EIBRS Guest/Host and REP MOVSB\* MCE on Memory Not Access Issue. These issues are not unique to Hitachi servers.
- Addressed an issue where the server may become unresponsive during POST or take an unexpected long time to complete POST when the RBSU Extended Memory Test option was enabled.
- Addressed an issue where the server was allowed to boot when mixed SKUs of Intel Xeon Scalable Processors are installed. The server should display an error message and halt boot in these configurations.
- This revision of the System ROM includes the EDK2 patches which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210.
- Addressed an issue where Uncorrectable Memory Errors may be reported and logged to the Integrated Management Log (IML) with certain DIMMs installed and the RBSU "Extended Memory Test" option enabled after updating the System ROM to v2.50 or later. The "Extended Memory Test" option is disabled by default and this issue would only impact customers who had specifically configured this option to enabled. The reported Uncorrected Memory Errors were due to an issue with the impacted System ROM revisions and do NOT indicate an issue with the DIMMs themselves.
- Fixed an issue where a warning message was displayed when power supplies with different Option Kit No. / Spare Part No. were mixed in the device. Please refer to the ADV-2021-0030 for more information.

#### **Enhancements**

- Added a new BIOS/Platform Configuration (RBSU) option to Server Availability called IPMI Watchdog Timer. When enabled, the system will start an IPMI based watchdog timer during boot which can be

used to protect against a boot hang or other unexpected system boot issue. It is the responsibility of the user to disable the IPMI watchdog timer once the operating system has booted. Failure to disable the timer can result in an unexpected server reset or shutdown.

- Added a new BIOS/Platform Configuration (RBSU) option to Server Security called UEFI Variable Access Firmware Control. This option, when enabled, can be used to block UEFI Variable writes, such as to the UEFI Boot Order, from the Operating System or a third-party utility. HPE recommends leaving this capability disabled unless the user specifically wants to prevent the operating system's normal operation of writing to UEFI Variables, which typically occur during OS install.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

---

## Online ROM Flash Component for Linux - System ROM U30

### **Important Note!**

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2021.1 guidance.

### **Problems Fixed:**

- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for security vulnerabilities documented as CVE-2020-24511. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-464. The Intel microcode patches included in this release are version 0x02006B06 (CPUID 50654) and 0x05003103 (CPUID 50567). These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2020-12358, CVE-2020-12360, and CVE-2020-24486. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00463. These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel microcode which address various functional issues documented in the Intel Technical Specification update. These issues are documented as the EIBRS Guest/Host and REP MOVSB\* MCE on Memory Not Access Issue. These issues are not unique to Hitachi servers.
- Addressed an issue where the server may become unresponsive during POST or take an unexpected long time to complete POST when the RBSU Extended Memory Test option was enabled.
- Addressed an issue where the server was allowed to boot when mixed SKUs of Intel Xeon Scalable Processors are installed. The server should display an error message and halt boot in these configurations.
- This revision of the System ROM includes the EDK2 patches which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210.
- Addressed an issue where Uncorrectable Memory Errors may be reported and logged to the Integrated Management Log (IML) with certain DIMMs installed and the RBSU "Extended Memory Test" option enabled after updating the System ROM to v2.50 or later. The "Extended Memory Test" option is

disabled by default and this issue would only impact customers who had specifically configured this option to enabled. The reported Uncorrected Memory Errors were due to an issue with the impacted System ROM revisions and do NOT indicate an issue with the DIMMs themselves.

- Fixed an issue where a warning message was displayed when power supplies with different Option Kit No. / Spare Part No. were mixed in the device. Please refer to the ADV-2021-0030 for more information.

### **Enhancements**

- Added a new BIOS/Platform Configuration (RBSU) option to Server Availability called IPMI Watchdog Timer. When enabled, the system will start an IPMI based watchdog timer during boot which can be used to protect against a boot hang or other unexpected system boot issue. It is the responsibility of the user to disable the IPMI watchdog timer once the operating system has booted. Failure to disable the timer can result in an unexpected server reset or shutdown.
- Added a new BIOS/Platform Configuration (RBSU) option to Server Security called UEFI Variable Access Firmware Control. This option, when enabled, can be used to block UEFI Variable writes, such as to the UEFI Boot Order, from the Operating System or a third-party utility. HPE recommends leaving this capability disabled unless the user specifically wants to prevent the operating system's normal operation of writing to UEFI Variables, which typically occur during OS install.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

---

## **Online ROM Flash Component for Linux - System ROM U32**

### **Important Note!**

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2021.1 guidance.

### **Problems Fixed:**

- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for security vulnerabilities documented as CVE-2020-24511. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-464. The Intel microcode patches included in this release are version 0x02006B06 (CPUID 50654) and 0x05003103 (CPUID 50567). These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2020-12358, CVE-2020-12360, and CVE-2020-24486. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00463. These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel microcode which address various functional issues documented in the Intel Technical Specification update. These issues are documented as the EIBRS Guest/Host and REP MOVSB\* MCE on Memory Not Access Issue. These issues are not unique to Hitachi servers.
- Addressed an issue where the server may become unresponsive during POST or take an unexpected long

time to complete POST when the RBSU Extended Memory Test option was enabled.

- Addressed an issue where the server was allowed to boot when mixed SKUs of Intel Xeon Scalable Processors are installed. The server should display an error message and halt boot in these configurations.
- This revision of the System ROM includes the EDK2 patches which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210.
- Addressed an issue where Uncorrectable Memory Errors may be reported and logged to the Integrated Management Log (IML) with certain DIMMs installed and the RBSU "Extended Memory Test" option enabled after updating the System ROM to v2.50 or later. The "Extended Memory Test" option is disabled by default and this issue would only impact customers who had specifically configured this option to enabled. The reported Uncorrected Memory Errors were due to an issue with the impacted System ROM revisions and do NOT indicate an issue with the DIMMs themselves.
- Fixed an issue where a warning message was displayed when power supplies with different Option Kit No. / Spare Part No. were mixed in the device. Please refer to the ADV-2021-0030 for more information.

### **Enhancements**

- Added a new BIOS/Platform Configuration (RBSU) option to Server Availability called IPMI Watchdog Timer. When enabled, the system will start an IPMI based watchdog timer during boot which can be used to protect against a boot hang or other unexpected system boot issue. It is the responsibility of the user to disable the IPMI watchdog timer once the operating system has booted. Failure to disable the timer can result in an unexpected server reset or shutdown.
- Added a new BIOS/Platform Configuration (RBSU) option to Server Security called UEFI Variable Access Firmware Control. This option, when enabled, can be used to block UEFI Variable writes, such as to the UEFI Boot Order, from the Operating System or a third-party utility. HPE recommends leaving this capability disabled unless the user specifically wants to prevent the operating system's normal operation of writing to UEFI Variables, which typically occur during OS install.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

---

## **Online ROM Flash Component for Linux - System ROM U41**

### **Important Note!**

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2021.1 guidance.

### **Problems Fixed:**

- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for security vulnerabilities documented as CVE-2020-24511. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-464. The Intel microcode patches included in this release are version 0x02006B06 (CPUID 50654) and 0x05003103 (CPUID 50567). These issues are not

unique to Hitachi servers.

- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2020-12358, CVE-2020-12360, and CVE-2020-24486. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00463. These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel microcode which address various functional issues documented in the Intel Technical Specification update. These issues are documented as the EIBRS Guest/Host and REP MOVSB\* MCE on Memory Not Access Issue. These issues are not unique to Hitachi servers.
- Addressed an issue where the server may become unresponsive during POST or take an unexpected long time to complete POST when the RBSU Extended Memory Test option was enabled.
- Addressed an issue where the server was allowed to boot when mixed SKUs of Intel Xeon Scalable Processors are installed. The server should display an error message and halt boot in these configurations.
- This revision of the System ROM includes the EDK2 patches which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210.
- Addressed an issue where Uncorrectable Memory Errors may be reported and logged to the Integrated Management Log (IML) with certain DIMMs installed and the RBSU "Extended Memory Test" option enabled after updating the System ROM to v2.50 or later. The "Extended Memory Test" option is disabled by default and this issue would only impact customers who had specifically configured this option to enabled. The reported Uncorrected Memory Errors were due to an issue with the impacted System ROM revisions and do NOT indicate an issue with the DIMMs themselves.
- Fixed an issue where a warning message was displayed when power supplies with different Option Kit No. / Spare Part No. were mixed in the device. Please refer to the ADV-2021-0030 for more information.

### **Enhancements**

- Added a new BIOS/Platform Configuration (RBSU) option to Server Availability called IPMI Watchdog Timer. When enabled, the system will start an IPMI based watchdog timer during boot which can be used to protect against a boot hang or other unexpected system boot issue. It is the responsibility of the user to disable the IPMI watchdog timer once the operating system has booted. Failure to disable the timer can result in an unexpected server reset or shutdown.
- Added a new BIOS/Platform Configuration (RBSU) option to Server Security called UEFI Variable Access Firmware Control. This option, when enabled, can be used to block UEFI Variable writes, such as to the UEFI Boot Order, from the Operating System or a third-party utility. HPE recommends leaving this capability disabled unless the user specifically wants to prevent the operating system's normal operation of writing to UEFI Variables, which typically occur during OS install.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

---

## Online ROM Flash Component for Linux - System ROM U43

### **Important Note!**

- This version of the System ROM contains the fix for the Hynix 16G DDR4 DIMM compatibility issue.
- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2021.1 guidance.

### **Problems Fixed:**

- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for the Intel sightings CVE-2020-24511 and CVE-2020-24512. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00464. The Intel microcode patches included in this release are version 0x000000EA (CPUID 906ED, CPUID 906EC, CPUID 906EB and CPUID 906EA). This issue is not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2020-8670 and CVE-2020-12357. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00463. These issues are not unique to Hitachi servers.
- Addressed an extremely rare issue where the Real Time Clock may become corrupted on a server boot. This was typically seen as an unexpected change to the RTC Year field but could impact other parts of the Date and Time. This issue is not unique to Hitachi servers.
- Addressed an issue where systems running System ROM 2.20 (or later) and configured with an Intel Xeon E-2224 CPU and Hynix 16G DDR4 DIMM may occasionally encounter the error message "Unknown Initialization Error" in the Integrated Management Log (IML).
- This revision of the System ROM includes the latest revision of the Tianocore Edk2 Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210. These security vulnerabilities are documented in Tianocore Edk2 CVE details site. These issues are not unique to HPE servers.
- Addressed an issue with Pensando Distributed Services Platform DSC-25 Enterprise 10/25Gb 2-port SFP28 Card missing in system information page.
- Fixed an issue where iLO did not recognize the card in PCIe slot 1. Please refer to the ADV-2021-0075 for more information.

### **Enhancements/New Features:**

- Improved boot time by removing unneeded delay.
- Addressed an issue where High Precision Event Timer in Windows was not showing up in device manager.

---

## Online ROM Flash Component for Linux - System ROM U44

### **Important Note!**

- This version of the System ROM contains the fix for the Hynix 16G DDR4 DIMM compatibility issue.
- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version



IPU.2021.1 guidance.

### **Problems Fixed:**

- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for the Intel sightings CVE-2020-24511 and CVE-2020-24512. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00464. The Intel microcode patches included in this release are version 0x000000EA (CPUID 906ED, CPUID 906EC, CPUID 906EB and CPUID 906EA). This issue is not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2020-8670 and CVE-2020-12357. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00463. These issues are not unique to Hitachi servers.
- Addressed an extremely rare issue where the Real Time Clock may become corrupted on a server boot. This was typically seen as an unexpected change to the RTC Year field but could impact other parts of the Date and Time. This issue is not unique to Hitachi servers.
- Addressed an issue where systems running System ROM 2.20 (or later) and configured with an Intel Xeon E-2224 CPU and Hynix 16G DDR4 DIMM may occasionally encounter the error message "Unknown Initialization Error" in the Integrated Management Log (IML).
- This revision of the System ROM includes the latest revision of the Tianocore Edk2 Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210. These security vulnerabilities are documented in Tianocore Edk2 CVE details site. These issues are not unique to HPE servers.
- Addressed an issue with Pensando Distributed Services Platform DSC-25 Enterprise 10/25Gb 2-port SFP28 Card missing in system information page.
- Fixed an issue where iLO did not recognize the card in PCIe slot 1. Please refer to the ADV-2021-0075 for more information.

### **Enhancements/New Features:**

- Improved boot time by removing unneeded delay.
- Addressed an issue where High Precision Event Timer in Windows was not showing up in device manager.

---

## **Online ROM Flash Component for Linux - OEM System ROM U46**

### **Problems Fixed:**

- Addressed an issue where Intel VROC SATA and sSATA Controller shows as Unknown under firmware information page in RBSU.
- Addressed an issue where an error "Incorrect firmware file or no supported device" occurs when flashing the firmware of Intel E810 Ethernet Adapters.
- Addressed an issue where the server hangs when launching Embedded iPXE when IPv4 certification is enrolled and Network location is set as iPXE Auto-Start-Script.

- Addressed an issue where the server hangs at POST when configured with Intel(R) Xeon(R) Silver 4314 Processor and Intel(R) Optane™ Persistent Memory 200 Series installed.
- Addressed an issue where the server hangs when running Safe Mode boot without a DIMM installed on DIMM slot1.
- This revision of the System ROM includes the EDK2 patches which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210.
- Addressed an issue where Uncorrectable Memory Errors may be reported and logged to the Integrated Management Log (IML) with certain DIMMs installed and the RBSU "Extended Memory Test" option enabled. The "Extended Memory Test" option is disabled by default and this issue would only impact customers who had specifically configured this option to enabled.
- The reported Uncorrected Memory Errors were due to an issue with the impacted System ROM revisions and do NOT indicate an issue with the DIMMs themselves.

### **Enhancements**

- Added a new BIOS/Platform Configuration (RBSU) option for Microsoft Secured-core Support. Enabling this setting makes the following policy changes and configures the corresponding options: Intel(R) Virtualization Technology enabled, Intel(R) VT-d enabled, Intel(R) TXT Support enabled, Secure Boot enabled, TPM enabled in 2.0 mode. Disabling any of these features while Secured-core is enabled can prevent Secured-core from working properly.
- Added new RBSU option to Omit Boot Device Event in TPM PCR[4] following EDK2. Warning: changing the setting will affect TPM measurements and can impact software functionality which utilizes the TPM PCR registers such as Microsoft BitLocker. PCR[4] is the register that records the process of attempting to boot different hardware paths like from a hard drive or CD, and what boot devices are attempted, and the Initial Program Loader (IPL) code that is loaded and executed from the device. If boot from one device fails, measurements in PCR[4] record the attempt to boot the next device or boot path. If recording which device attempted to boot is omitted with this option (i.e. enable this option), the BIOS records the event type EV\_OMIT\_BOOT\_DEVICE\_EVENTS in PCR[4], otherwise the event is not recorded.
- Added a new BIOS/Platform Configuration (RBSU) option for PCIe HotPlug Error Control. Use this option to select PCIe (NVMe) Hot-Plug support for the platform. When Hot-Plug Surprise is selected, the platform will attempt to protect the platform from experiencing an error on a surprise removal event. This option should be selected for older Operating Systems that do not support Enhanced Downstream Port Containment (eDPC). When eDPC Firmware Control is selected, the platform firmware and OS will properly negotiate and log all hot-plug events. This option is currently not supported by all Operating Systems. When eDPC OS Control is selected hot-plug events are handled by the Operating System with no involvement by the platform. All logging of events in this mode will be limited to the Operating System only. It is important that this option be set properly based on the Operating System to ensure hot-plug events and surprise removal events are handled properly by the platform. Please consult Operating System documentation for additional details. Note it is always recommended to perform a graceful device removal from the Operating System before performing a hot-plug event.

---

## Online ROM Flash Component for Windows x64 - OEM System ROM U34

### **Important Note!**

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2021.1 guidance.

### **Problems Fixed:**

- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for security vulnerabilities documented as CVE-2020-24511. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-464. The Intel microcode patches included in this release are version 0x02006B06 (CPUID 50654) and 0x05003103 (CPUID 50567). These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2020-12358, CVE-2020-12360, and CVE-2020-24486. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00463. These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel microcode which address various functional issues documented in the Intel Technical Specification update. These issues are documented as the EIBRS Guest/Host and REP MOVSB\* MCE on Memory Not Access Issue. These issues are not unique to Hitachi servers.
- Addressed an issue where the server may become unresponsive during POST or take an unexpected long time to complete POST when the RBSU Extended Memory Test option was enabled.
- Addressed an issue where the server was allowed to boot when mixed SKUs of Intel Xeon Scalable Processors are installed. The server should display an error message and halt boot in these configurations.
- This revision of the System ROM includes the EDK2 patches which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210.
- Addressed an issue where Uncorrectable Memory Errors may be reported and logged to the Integrated Management Log (IML) with certain DIMMs installed and the RBSU "Extended Memory Test" option enabled after updating the System ROM to v2.50 or later. The "Extended Memory Test" option is disabled by default and this issue would only impact customers who had specifically configured this option to enabled. The reported Uncorrected Memory Errors were due to an issue with the impacted System ROM revisions and do NOT indicate an issue with the DIMMs themselves.
- Fixed an issue where a warning message was displayed when power supplies with different Option Kit No. / Spare Part No. were mixed in the device. Please refer to the ADV-2021-0030 for more information.

### **Enhancements**

- Added a new BIOS/Platform Configuration (RBSU) option to Server Availability called IPMI Watchdog Timer. When enabled, the system will start an IPMI based watchdog timer during boot which can be used to protect against a boot hang or other unexpected system boot issue. It is the responsibility of the user to disable the IPMI watchdog timer once the operating system has booted. Failure to disable the

timer can result in an unexpected server reset or shutdown.

- Added a new BIOS/Platform Configuration (RBSU) option to Server Security called UEFI Variable Access Firmware Control. This option, when enabled, can be used to block UEFI Variable writes, such as to the UEFI Boot Order, from the Operating System or a third-party utility. HPE recommends leaving this capability disabled unless the user specifically wants to prevent the operating system's normal operation of writing to UEFI Variables, which typically occur during OS install.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

---

## **Online ROM Flash Component for Windows x64 - System ROM U30**

### **Important Note!**

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2021.1 guidance.

### **Problems Fixed:**

- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for security vulnerabilities documented as CVE-2020-24511. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-464. The Intel microcode patches included in this release are version 0x02006B06 (CPUID 50654) and 0x05003103 (CPUID 50567). These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2020-12358, CVE-2020-12360, and CVE-2020-24486. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00463. These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel microcode which address various functional issues documented in the Intel Technical Specification update. These issues are documented as the EIBRS Guest/Host and REP MOVSB\* MCE on Memory Not Access Issue. These issues are not unique to Hitachi servers.
- Addressed an issue where the server may become unresponsive during POST or take an unexpected long time to complete POST when the RBSU Extended Memory Test option was enabled.
- Addressed an issue where the server was allowed to boot when mixed SKUs of Intel Xeon Scalable Processors are installed. The server should display an error message and halt boot in these configurations.
- This revision of the System ROM includes the EDK2 patches which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210.
- Addressed an issue where Uncorrectable Memory Errors may be reported and logged to the Integrated Management Log (IML) with certain DIMMs installed and the RBSU "Extended Memory Test" option enabled after updating the System ROM to v2.50 or later. The "Extended Memory Test" option is disabled by default and this issue would only impact customers who had specifically configured this

option to enabled. The reported Uncorrected Memory Errors were due to an issue with the impacted System ROM revisions and do NOT indicate an issue with the DIMMs themselves.

- Fixed an issue where a warning message was displayed when power supplies with different Option Kit No. / Spare Part No. were mixed in the device. Please refer to the ADV-2021-0030 for more information.

### **Enhancements**

- Added a new BIOS/Platform Configuration (RBSU) option to Server Availability called IPMI Watchdog Timer. When enabled, the system will start an IPMI based watchdog timer during boot which can be used to protect against a boot hang or other unexpected system boot issue. It is the responsibility of the user to disable the IPMI watchdog timer once the operating system has booted. Failure to disable the timer can result in an unexpected server reset or shutdown.
- Added a new BIOS/Platform Configuration (RBSU) option to Server Security called UEFI Variable Access Firmware Control. This option, when enabled, can be used to block UEFI Variable writes, such as to the UEFI Boot Order, from the Operating System or a third-party utility. HPE recommends leaving this capability disabled unless the user specifically wants to prevent the operating system's normal operation of writing to UEFI Variables, which typically occur during OS install.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

---

## **Online ROM Flash Component for Windows x64 - System ROM U32**

### **Important Note!**

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2021.1 guidance.

### **Problems Fixed:**

- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for security vulnerabilities documented as CVE-2020-24511. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-464. The Intel microcode patches included in this release are version 0x02006B06 (CPUID 50654) and 0x05003103 (CPUID 50567). These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2020-12358, CVE-2020-12360, and CVE-2020-24486. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00463. These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel microcode which address various functional issues documented in the Intel Technical Specification update. These issues are documented as the EIBRS Guest/Host and REP MOVSB\* MCE on Memory Not Access Issue. These issues are not unique to Hitachi servers.
- Addressed an issue where the server may become unresponsive during POST or take an unexpected long time to complete POST when the RBSU Extended Memory Test option was enabled.

- Addressed an issue where the server was allowed to boot when mixed SKUs of Intel Xeon Scalable Processors are installed. The server should display an error message and halt boot in these configurations.
- This revision of the System ROM includes the EDK2 patches which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210.
- Addressed an issue where Uncorrectable Memory Errors may be reported and logged to the Integrated Management Log (IML) with certain DIMMs installed and the RBSU "Extended Memory Test" option enabled after updating the System ROM to v2.50 or later. The "Extended Memory Test" option is disabled by default and this issue would only impact customers who had specifically configured this option to enabled. The reported Uncorrected Memory Errors were due to an issue with the impacted System ROM revisions and do NOT indicate an issue with the DIMMs themselves.
- Fixed an issue where a warning message was displayed when power supplies with different Option Kit No. / Spare Part No. were mixed in the device. Please refer to the ADV-2021-0030 for more information.

### **Enhancements**

- Added a new BIOS/Platform Configuration (RBSU) option to Server Availability called IPMI Watchdog Timer. When enabled, the system will start an IPMI based watchdog timer during boot which can be used to protect against a boot hang or other unexpected system boot issue. It is the responsibility of the user to disable the IPMI watchdog timer once the operating system has booted. Failure to disable the timer can result in an unexpected server reset or shutdown.
- Added a new BIOS/Platform Configuration (RBSU) option to Server Security called UEFI Variable Access Firmware Control. This option, when enabled, can be used to block UEFI Variable writes, such as to the UEFI Boot Order, from the Operating System or a third-party utility. HPE recommends leaving this capability disabled unless the user specifically wants to prevent the operating system's normal operation of writing to UEFI Variables, which typically occur during OS install.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

---

## **Online ROM Flash Component for Windows x64 - System ROM U41**

### **Important Note!**

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2021.1 guidance.

### **Problems Fixed:**

- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for security vulnerabilities documented as CVE-2020-24511. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-464. The Intel microcode patches included in this release are version 0x02006B06 (CPUID 50654) and 0x05003103 (CPUID 50567). These issues are not unique to Hitachi servers.

- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2020-12358, CVE-2020-12360, and CVE-2020-24486. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00463. These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel microcode which address various functional issues documented in the Intel Technical Specification update. These issues are documented as the EIBRS Guest/Host and REP MOVSB\* MCE on Memory Not Access Issue. These issues are not unique to Hitachi servers.
- Addressed an issue where the server may become unresponsive during POST or take an unexpected long time to complete POST when the RBSU Extended Memory Test option was enabled.
- Addressed an issue where the server was allowed to boot when mixed SKUs of Intel Xeon Scalable Processors are installed. The server should display an error message and halt boot in these configurations.
- This revision of the System ROM includes the EDK2 patches which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210.
- Addressed an issue where Uncorrectable Memory Errors may be reported and logged to the Integrated Management Log (IML) with certain DIMMs installed and the RBSU "Extended Memory Test" option enabled after updating the System ROM to v2.50 or later. The "Extended Memory Test" option is disabled by default and this issue would only impact customers who had specifically configured this option to enabled. The reported Uncorrected Memory Errors were due to an issue with the impacted System ROM revisions and do NOT indicate an issue with the DIMMs themselves.
- Fixed an issue where a warning message was displayed when power supplies with different Option Kit No. / Spare Part No. were mixed in the device. Please refer to the ADV-2021-0030 for more information.

### **Enhancements**

- Added a new BIOS/Platform Configuration (RBSU) option to Server Availability called IPMI Watchdog Timer. When enabled, the system will start an IPMI based watchdog timer during boot which can be used to protect against a boot hang or other unexpected system boot issue. It is the responsibility of the user to disable the IPMI watchdog timer once the operating system has booted. Failure to disable the timer can result in an unexpected server reset or shutdown.
- Added a new BIOS/Platform Configuration (RBSU) option to Server Security called UEFI Variable Access Firmware Control. This option, when enabled, can be used to block UEFI Variable writes, such as to the UEFI Boot Order, from the Operating System or a third-party utility. HPE recommends leaving this capability disabled unless the user specifically wants to prevent the operating system's normal operation of writing to UEFI Variables, which typically occur during OS install.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

---

## Online ROM Flash Component for Windows x64 - System ROM U43

### **Important Note!**

- This version of the System ROM contains the fix for the Hynix 16G DDR4 DIMM compatibility issue.
- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2021.1 guidance.

### **Problems Fixed:**

- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for the Intel sightings CVE-2020-24511 and CVE-2020-24512. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00464. The Intel microcode patches included in this release are version 0x000000EA (CPUID 906ED, CPUID 906EC, CPUID 906EB and CPUID 906EA). This issue is not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2020-8670 and CVE-2020-12357. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00463. These issues are not unique to Hitachi servers.
- Addressed an extremely rare issue where the Real Time Clock may become corrupted on a server boot. This was typically seen as an unexpected change to the RTC Year field but could impact other parts of the Date and Time. This issue is not unique to Hitachi servers.
- Addressed an issue where systems running System ROM 2.20 (or later) and configured with an Intel Xeon E-2224 CPU and Hynix 16G DDR4 DIMM may occasionally encounter the error message "Unknown Initialization Error" in the Integrated Management Log (IML).
- This revision of the System ROM includes the latest revision of the Tianocore Edk2 Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210. These security vulnerabilities are documented in Tianocore Edk2 CVE details site. These issues are not unique to HPE servers.
- Addressed an issue with Pensando Distributed Services Platform DSC-25 Enterprise 10/25Gb 2-port SFP28 Card missing in system information page.
- Fixed an issue where iLO did not recognize the card in PCIe slot 1. Please refer to the ADV-2021-0075 for more information.

### **Enhancements/New Features:**

- Improved boot time by removing unneeded delay.
- Addressed an issue where High Precision Event Timer in Windows was not showing up in device manager.

---

## Online ROM Flash Component for Windows x64 - System ROM U44

### **Important Note!**

- This version of the System ROM contains the fix for the Hynix 16G DDR4 DIMM compatibility issue.



- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2021.1 guidance.

#### **Problems Fixed:**

- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for the Intel sightings CVE-2020-24511 and CVE-2020-24512. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00464. The Intel microcode patches included in this release are version 0x000000EA (CPUID 906ED, CPUID 906EC, CPUID 906EB and CPUID 906EA). This issue is not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2020-8670 and CVE-2020-12357. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00463. These issues are not unique to Hitachi servers.
- Addressed an extremely rare issue where the Real Time Clock may become corrupted on a server boot. This was typically seen as an unexpected change to the RTC Year field but could impact other parts of the Date and Time. This issue is not unique to Hitachi servers.
- Addressed an issue where systems running System ROM 2.20 (or later) and configured with an Intel Xeon E-2224 CPU and Hynix 16G DDR4 DIMM may occasionally encounter the error message "Unknown Initialization Error" in the Integrated Management Log (IML).
- This revision of the System ROM includes the latest revision of the Tianocore Edk2 Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210. These security vulnerabilities are documented in Tianocore Edk2 CVE details site. These issues are not unique to HPE servers.
- Addressed an issue with Pensando Distributed Services Platform DSC-25 Enterprise 10/25Gb 2-port SFP28 Card missing in system information page.
- Fixed an issue where iLO did not recognize the card in PCIe slot 1. Please refer to the ADV-2021-0075 for more information.

#### **Enhancements/New Features:**

- Improved boot time by removing unneeded delay.
- Addressed an issue where High Precision Event Timer in Windows was not showing up in device manager.

---

### **ROM Flash Firmware Package - System ROM U30**

#### **Important Note!**

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2021.1 guidance.

#### **Problems Fixed:**

- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for security vulnerabilities documented as CVE-2020-24511. These security vulnerabilities are

documented in Intel Security Advisory INTEL-SA-464. The Intel microcode patches included in this release are version 0x02006B06 (CPUID 50654) and 0x05003103 (CPUID 50567). These issues are not unique to Hitachi servers.

- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2020-12358, CVE-2020-12360, and CVE-2020-24486. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00463. These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel microcode which address various functional issues documented in the Intel Technical Specification update. These issues are documented as the EIBRS Guest/Host and REP MOVSB\* MCE on Memory Not Access Issue. These issues are not unique to Hitachi servers.
- Addressed an issue where the server may become unresponsive during POST or take an unexpected long time to complete POST when the RBSU Extended Memory Test option was enabled.
- Addressed an issue where the server was allowed to boot when mixed SKUs of Intel Xeon Scalable Processors are installed. The server should display an error message and halt boot in these configurations.
- This revision of the System ROM includes the EDK2 patches which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210.
- Addressed an issue where Uncorrectable Memory Errors may be reported and logged to the Integrated Management Log (IML) with certain DIMMs installed and the RBSU "Extended Memory Test" option enabled after updating the System ROM to v2.50 or later. The "Extended Memory Test" option is disabled by default and this issue would only impact customers who had specifically configured this option to enabled. The reported Uncorrected Memory Errors were due to an issue with the impacted System ROM revisions and do NOT indicate an issue with the DIMMs themselves.
- Fixed an issue where a warning message was displayed when power supplies with different Option Kit No. / Spare Part No. were mixed in the device. Please refer to the ADV-2021-0030 for more information.

## **Enhancements**

- Added a new BIOS/Platform Configuration (RBSU) option to Server Availability called IPMI Watchdog Timer. When enabled, the system will start an IPMI based watchdog timer during boot which can be used to protect against a boot hang or other unexpected system boot issue. It is the responsibility of the user to disable the IPMI watchdog timer once the operating system has booted. Failure to disable the timer can result in an unexpected server reset or shutdown.
- Added a new BIOS/Platform Configuration (RBSU) option to Server Security called UEFI Variable Access Firmware Control. This option, when enabled, can be used to block UEFI Variable writes, such as to the UEFI Boot Order, from the Operating System or a third-party utility. HPE recommends leaving this capability disabled unless the user specifically wants to prevent the operating system's normal operation of writing to UEFI Variables, which typically occur during OS install.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

---

## ROM Flash Firmware Package - System ROM U32

### **Important Note!**

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2021.1 guidance.

### **Problems Fixed:**

- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for security vulnerabilities documented as CVE-2020-24511. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-464. The Intel microcode patches included in this release are version 0x02006B06 (CPUID 50654) and 0x05003103 (CPUID 50567). These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2020-12358, CVE-2020-12360, and CVE-2020-24486. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00463. These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel microcode which address various functional issues documented in the Intel Technical Specification update. These issues are documented as the EIBRS Guest/Host and REP MOVSB\* MCE on Memory Not Access Issue. These issues are not unique to Hitachi servers.
- Addressed an issue where the server may become unresponsive during POST or take an unexpected long time to complete POST when the RBSU Extended Memory Test option was enabled.
- Addressed an issue where the server was allowed to boot when mixed SKUs of Intel Xeon Scalable Processors are installed. The server should display an error message and halt boot in these configurations.
- This revision of the System ROM includes the EDK2 patches which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210.
- Addressed an issue where Uncorrectable Memory Errors may be reported and logged to the Integrated Management Log (IML) with certain DIMMs installed and the RBSU "Extended Memory Test" option enabled after updating the System ROM to v2.50 or later. The "Extended Memory Test" option is disabled by default and this issue would only impact customers who had specifically configured this option to enabled. The reported Uncorrected Memory Errors were due to an issue with the impacted System ROM revisions and do NOT indicate an issue with the DIMMs themselves.
- Fixed an issue where a warning message was displayed when power supplies with different Option Kit No. / Spare Part No. were mixed in the device. Please refer to the ADV-2021-0030 for more information.

### **Enhancements**

- Added a new BIOS/Platform Configuration (RBSU) option to Server Availability called IPMI Watchdog Timer. When enabled, the system will start an IPMI based watchdog timer during boot which can be

used to protect against a boot hang or other unexpected system boot issue. It is the responsibility of the user to disable the IPMI watchdog timer once the operating system has booted. Failure to disable the timer can result in an unexpected server reset or shutdown.

- Added a new BIOS/Platform Configuration (RBSU) option to Server Security called UEFI Variable Access Firmware Control. This option, when enabled, can be used to block UEFI Variable writes, such as to the UEFI Boot Order, from the Operating System or a third-party utility. HPE recommends leaving this capability disabled unless the user specifically wants to prevent the operating system's normal operation of writing to UEFI Variables, which typically occur during OS install.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

---

## ROM Flash Firmware Package - System ROM U34

### **Important Note!**

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2021.1 guidance.

### **Problems Fixed:**

- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for security vulnerabilities documented as CVE-2020-24511. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-464. The Intel microcode patches included in this release are version 0x02006B06 (CPUID 50654) and 0x05003103 (CPUID 50567). These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2020-12358, CVE-2020-12360, and CVE-2020-24486. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00463. These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel microcode which address various functional issues documented in the Intel Technical Specification update. These issues are documented as the EIBRS Guest/Host and REP MOVSB\* MCE on Memory Not Access Issue. These issues are not unique to Hitachi servers.
- Addressed an issue where the server may become unresponsive during POST or take an unexpected long time to complete POST when the RBSU Extended Memory Test option was enabled.
- Addressed an issue where the server was allowed to boot when mixed SKUs of Intel Xeon Scalable Processors are installed. The server should display an error message and halt boot in these configurations.
- This revision of the System ROM includes the EDK2 patches which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210.
- Addressed an issue where Uncorrectable Memory Errors may be reported and logged to the Integrated Management Log (IML) with certain DIMMs installed and the RBSU "Extended Memory Test" option

enabled after updating the System ROM to v2.50 or later. The “Extended Memory Test” option is disabled by default and this issue would only impact customers who had specifically configured this option to enabled. The reported Uncorrected Memory Errors were due to an issue with the impacted System ROM revisions and do NOT indicate an issue with the DIMMs themselves.

- Fixed an issue where a warning message was displayed when power supplies with different Option Kit No. / Spare Part No. were mixed in the device. Please refer to the ADV-2021-0030 for more information.

### **Enhancements**

- Added a new BIOS/Platform Configuration (RBSU) option to Server Availability called IPMI Watchdog Timer. When enabled, the system will start an IPMI based watchdog timer during boot which can be used to protect against a boot hang or other unexpected system boot issue. It is the responsibility of the user to disable the IPMI watchdog timer once the operating system has booted. Failure to disable the timer can result in an unexpected server reset or shutdown.
- Added a new BIOS/Platform Configuration (RBSU) option to Server Security called UEFI Variable Access Firmware Control. This option, when enabled, can be used to block UEFI Variable writes, such as to the UEFI Boot Order, from the Operating System or a third-party utility. HPE recommends leaving this capability disabled unless the user specifically wants to prevent the operating system's normal operation of writing to UEFI Variables, which typically occur during OS install.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

---

## **ROM Flash Firmware Package - System ROM U41**

### **Important Note!**

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2021.1 guidance.

### **Problems Fixed:**

- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for security vulnerabilities documented as CVE-2020-24511. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-464. The Intel microcode patches included in this release are version 0x02006B06 (CPUID 50654) and 0x05003103 (CPUID 50567). These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2020-12358, CVE-2020-12360, and CVE-2020-24486. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00463. These issues are not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel microcode which address various functional issues documented in the Intel Technical Specification update. These issues are documented as the EIBRS Guest/Host and REP MOVSB\* MCE on Memory Not Access Issue. These issues are not unique to Hitachi servers.

- Addressed an issue where the server may become unresponsive during POST or take an unexpected long time to complete POST when the RBSU Extended Memory Test option was enabled.
- Addressed an issue where the server was allowed to boot when mixed SKUs of Intel Xeon Scalable Processors are installed. The server should display an error message and halt boot in these configurations.
- This revision of the System ROM includes the EDK2 patches which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210.
- Addressed an issue where Uncorrectable Memory Errors may be reported and logged to the Integrated Management Log (IML) with certain DIMMs installed and the RBSU "Extended Memory Test" option enabled after updating the System ROM to v2.50 or later. The "Extended Memory Test" option is disabled by default and this issue would only impact customers who had specifically configured this option to enabled. The reported Uncorrected Memory Errors were due to an issue with the impacted System ROM revisions and do NOT indicate an issue with the DIMMs themselves.
- Fixed an issue where a warning message was displayed when power supplies with different Option Kit No. / Spare Part No. were mixed in the device. Please refer to the ADV-2021-0030 for more information.

### **Enhancements**

- Added a new BIOS/Platform Configuration (RBSU) option to Server Availability called IPMI Watchdog Timer. When enabled, the system will start an IPMI based watchdog timer during boot which can be used to protect against a boot hang or other unexpected system boot issue. It is the responsibility of the user to disable the IPMI watchdog timer once the operating system has booted. Failure to disable the timer can result in an unexpected server reset or shutdown.
- Added a new BIOS/Platform Configuration (RBSU) option to Server Security called UEFI Variable Access Firmware Control. This option, when enabled, can be used to block UEFI Variable writes, such as to the UEFI Boot Order, from the Operating System or a third-party utility. HPE recommends leaving this capability disabled unless the user specifically wants to prevent the operating system's normal operation of writing to UEFI Variables, which typically occur during OS install.
- Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

---

## **ROM Flash Firmware Package - System ROM U43**

### **Important Note!**

- This version of the System ROM contains the fix for the Hynix 16G DDR4 DIMM compatibility issue.
- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2021.1 guidance.

### **Problems Fixed:**

- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for the Intel sightings CVE-2020-24511 and CVE-2020-24512. These security vulnerabilities

are documented in Intel Security Advisory INTEL-SA-00464. The Intel microcode patches included in this release are version 0x000000EA (CPUID 906ED, CPUID 906EC, CPUID 906EB and CPUID 906EA). This issue is not unique to Hitachi servers.

- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2020-8670 and CVE-2020-12357. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00463. These issues are not unique to Hitachi servers.
- Addressed an extremely rare issue where the Real Time Clock may become corrupted on a server boot. This was typically seen as an unexpected change to the RTC Year field but could impact other parts of the Date and Time. This issue is not unique to Hitachi servers.
- Addressed an issue where systems running System ROM 2.20 (or later) and configured with an Intel Xeon E-2224 CPU and Hynix 16G DDR4 DIMM may occasionally encounter the error message "Unknown Initialization Error" in the Integrated Management Log (IML).
- This revision of the System ROM includes the latest revision of the Tianocore Edk2 Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210. These security vulnerabilities are documented in Tianocore Edk2 CVE details site. These issues are not unique to HPE servers.
- Addressed an issue with Pensando Distributed Services Platform DSC-25 Enterprise 10/25Gb 2-port SFP28 Card missing in system information page.
- Fixed an issue where iLO did not recognize the card in PCIe slot 1. Please refer to the ADV-2021-0075 for more information.

#### **Enhancements/New Features:**

- Improved boot time by removing unneeded delay.
- Addressed an issue where High Precision Event Timer in Windows was not showing up in device manager.

---

#### **ROM Flash Firmware Package - System ROM U44**

#### **Important Note!**

- This version of the System ROM contains the fix for the Hynix 16G DDR4 DIMM compatibility issue.
- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2021.1 guidance.

#### **Problems Fixed:**

- This revision of the System ROM includes the latest revision of the Intel microcode which provides mitigations for the Intel sightings CVE-2020-24511 and CVE-2020-24512. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00464. The Intel microcode patches included in this release are version 0x000000EA (CPUID 906ED, CPUID 906EC, CPUID 906EB and CPUID 906EA). This issue is not unique to Hitachi servers.
- This revision of the System ROM includes the latest revision of the Intel Reference Code which provides

mitigations for BIOS advisories and security vulnerabilities documented as CVE-2020-8670 and CVE-2020-12357. These security vulnerabilities are documented in Intel Security Advisory INTEL-SA-00463. These issues are not unique to Hitachi servers.

- Addressed an extremely rare issue where the Real Time Clock may become corrupted on a server boot. This was typically seen as an unexpected change to the RTC Year field but could impact other parts of the Date and Time. This issue is not unique to Hitachi servers.
- Addressed an issue where systems running System ROM 2.20 (or later) and configured with an Intel Xeon E-2224 CPU and Hynix 16G DDR4 DIMM may occasionally encounter the error message "Unknown Initialization Error" in the Integrated Management Log (IML).
- This revision of the System ROM includes the latest revision of the Tianocore Edk2 Code which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210. These security vulnerabilities are documented in Tianocore Edk2 CVE details site. These issues are not unique to HPE servers.
- Addressed an issue with Pensando Distributed Services Platform DSC-25 Enterprise 10/25Gb 2-port SFP28 Card missing in system information page.
- Fixed an issue where iLO did not recognize the card in PCIe slot 1. Please refer to the ADV-2021-0075 for more information.

#### **Enhancements/New Features:**

- Improved boot time by removing unneeded delay.
- Addressed an issue where High Precision Event Timer in Windows was not showing up in device manager.

---

#### **Online ROM Flash Component for Windows x64 - System ROM U46**

#### **Online ROM Flash Component for Linux - OEM System ROM U46**

#### **Problems Fixed:**

- Addressed an issue where Intel VROC SATA and sATA Controller shows as Unknown under firmware information page in RBSU.
- Addressed an issue where an error "Incorrect firmware file or no supported device" occurs when flashing the firmware of Intel E810 Ethernet Adapters.
- Addressed an issue where the server hangs when launching Embedded iPXE when IPv4 certification is enrolled and Network location is set as iPXE Auto-Start-Script.
- Addressed an issue where the server hangs at POST when configured with Intel(R) Xeon(R) Silver 4314 Processor and Intel(R) Optane™ Persistent Memory 200 Series installed.
- Addressed an issue where the server hangs when running Safe Mode boot without a DIMM installed on DIMM slot1.
- This revision of the System ROM includes the EDK2 patches which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210.
- Addressed an issue where Uncorrectable Memory Errors may be reported and logged to the Integrated



Management Log (IML) with certain DIMMs installed and the RBSU "Extended Memory Test" option enabled. The "Extended Memory Test" option is disabled by default and this issue would only impact customers who had specifically configured this option to enabled.

- The reported Uncorrected Memory Errors were due to an issue with the impacted System ROM revisions and do NOT indicate an issue with the DIMMs themselves.

### **Enhancements**

- Added a new BIOS/Platform Configuration (RBSU) option for Microsoft Secured-core Support. Enabling this setting makes the following policy changes and configures the corresponding options: Intel(R) Virtualization Technology enabled, Intel(R) VT-d enabled, Intel(R) TXT Support enabled, Secure Boot enabled, TPM enabled in 2.0 mode. Disabling any of these features while Secured-core is enabled can prevent Secured-core from working properly.
- Added new RBSU option to Omit Boot Device Event in TPM PCR[4] following EDK2. Warning: changing the setting will affect TPM measurements and can impact software functionality which utilizes the TPM PCR registers such as Microsoft BitLocker. PCR[4] is the register that records the process of attempting to boot different hardware paths like from a hard drive or CD, and what boot devices are attempted, and the Initial Program Loader (IPL) code that is loaded and executed from the device. If boot from one device fails, measurements in PCR[4] record the attempt to boot the next device or boot path. If recording which device attempted to boot is omitted with this option (i.e. enable this option), the BIOS records the event type EV\_OMIT\_BOOT\_DEVICE\_EVENTS in PCR[4], otherwise the event is not recorded.
- Added a new BIOS/Platform Configuration (RBSU) option for PCIe HotPlug Error Control. Use this option to select PCIe (NVMe) Hot-Plug support for the platform. When Hot-Plug Surprise is selected, the platform will attempt to protect the platform from experiencing an error on a surprise removal event. This option should be selected for older Operating Systems that do not support Enhanced Downstream Port Containment (eDPC). When eDPC Firmware Control is selected, the platform firmware and OS will properly negotiate and log all hot-plug events. This option is currently not supported by all Operating Systems. When eDPC OS Control is selected hot-plug events are handled by the Operating System with no involvement by the platform. All logging of events in this mode will be limited to the Operating System only. It is important that this option be set properly based on the Operating System to ensure hot-plug events and surprise removal events are handled properly by the platform. Please consult Operating System documentation for additional details. Note it is always recommended to perform a graceful device removal from the Operating System before performing a hot-plug event.

---

## **ROM Flash Firmware Package - System ROM U46**

### **Online ROM Flash Component for Linux - OEM System ROM U46**

#### **Problems Fixed:**

- Addressed an issue where Intel VROC SATA and sATA Controller shows as Unknown under firmware information page in RBSU.
- Addressed an issue where an error "Incorrect firmware file or no supported device" occurs when flashing

the firmware of Intel E810 Ethernet Adapters.

- Addressed an issue where the server hangs when launching Embedded iPXE when IPv4 certification is enrolled and Network location is set as iPXE Auto-Start-Script.
- Addressed an issue where the server hangs at POST when configured with Intel(R) Xeon(R) Silver 4314 Processor and Intel(R) Optane™ Persistent Memory 200 Series installed.
- Addressed an issue where the server hangs when running Safe Mode boot without a DIMM installed on DIMM slot1.
- This revision of the System ROM includes the EDK2 patches which provides mitigations for BIOS advisories and security vulnerabilities documented as CVE-2019-14584, CVE-2021-28211 and CVE-2021-28210.
- Addressed an issue where Uncorrectable Memory Errors may be reported and logged to the Integrated Management Log (IML) with certain DIMMs installed and the RBSU "Extended Memory Test" option enabled. The "Extended Memory Test" option is disabled by default and this issue would only impact customers who had specifically configured this option to enabled.
- The reported Uncorrected Memory Errors were due to an issue with the impacted System ROM revisions and do NOT indicate an issue with the DIMMs themselves.

### **Enhancements**

- Added a new BIOS/Platform Configuration (RBSU) option for Microsoft Secured-core Support. Enabling this setting makes the following policy changes and configures the corresponding options: Intel(R) Virtualization Technology enabled, Intel(R) VT-d enabled, Intel(R) TXT Support enabled, Secure Boot enabled, TPM enabled in 2.0 mode. Disabling any of these features while Secured-core is enabled can prevent Secured-core from working properly.
- Added new RBSU option to Omit Boot Device Event in TPM PCR[4] following EDK2. Warning: changing the setting will affect TPM measurements and can impact software functionality which utilizes the TPM PCR registers such as Microsoft BitLocker. PCR[4] is the register that records the process of attempting to boot different hardware paths like from a hard drive or CD, and what boot devices are attempted, and the Initial Program Loader (IPL) code that is loaded and executed from the device. If boot from one device fails, measurements in PCR[4] record the attempt to boot the next device or boot path. If recording which device attempted to boot is omitted with this option (i.e. enable this option), the BIOS records the event type EV\_OMIT\_BOOT\_DEVICE\_EVENTS in PCR[4], otherwise the event is not recorded.
- Added a new BIOS/Platform Configuration (RBSU) option for PCIe HotPlug Error Control. Use this option to select PCIe (NVMe) Hot-Plug support for the platform. When Hot-Plug Surprise is selected, the platform will attempt to protect the platform from experiencing an error on a surprise removal event. This option should be selected for older Operating Systems that do not support Enhanced Downstream Port Containment (eDPC). When eDPC Firmware Control is selected, the platform firmware and OS will properly negotiate and log all hot-plug events. This option is currently not supported by all Operating Systems. When eDPC OS Control is selected hot-plug events are handled by the Operating System with no involvement by the platform. All logging of events in this mode will be limited to the Operating System only. It is important that this option be set properly based on the Operating System to ensure hot-plug events and surprise removal events are handled properly by the platform. Please consult

Operating System documentation for additional details. Note it is always recommended to perform a graceful device removal from the Operating System before performing a hot-plug event.

---

### **Integrated Smart Update Tools 2.9.0 for ESXi 6.5**

Version: 2021.09.00 (Recommended)

#### **Prerequisites**

For prerequisite information, please see the iSUT Release Notes.

#### **Fixes**

See the iSUT Release Notes for information about the issues resolved in this release

#### **Enhancements**

See the iSUT Release Notes for information about the issues resolved in this release

---

### **Integrated Smart Update Tools 2.9.0 for ESXi 6.7**

Version: 2021.09.00 (Recommended)

#### **Prerequisites**

For prerequisite information, please see the iSUT Release Notes.

#### **Fixes**

See the iSUT Release Notes for information about the issues resolved in this release

#### **Enhancements**

See the iSUT Release Notes for information about the issues resolved in this release

---

### **Integrated Smart Update Tools 2.9.0 for ESXi 7.0**

Version: 2021.09.00 (Recommended)

#### **Prerequisites**

For prerequisite information, please see the iSUT Release Notes.

#### **Fixes**

See the iSUT Release Notes for information about the issues resolved in this release

#### **Enhancements**

See the iSUT Release Notes for information about the enhancements added in this release

---

### **Integrated Smart Update Tools for Linux x64**

Version: 2.9.0.0 (Recommended)

#### **Important Note!**

Please note the following:

SUT requires a Service Pack for ProLiant-based ISO containing Smart Update Manager (SUM) 8.0.0 or later. If an earlier version of SUM is used, SUT will notify the user that SUM 8.0.0 and later is required.

- SUT uses the iLO RESTful Tool to communicate with iLO. iLO RESTful Tool is included with the SUT component and is installed as part of the SUT installation process. If an earlier version of the iLO RESTful Tool is already installed on a server, the iLO RESTful Tool provided with SUT will be upgraded on the server.

SUT will service HPE ProLiant Gen8 and later versions and requires iLO 4 firmware version 2.51 or later. For Gen10 and above we need iLO 5 firmware version 1.11 or later.

Smart Update Tools requires iLO Advanced Pack license.

### **Prerequisites**

For prerequisite information, please see the iSUT Release Notes.

### **Fixes**

See the iSUT Release Notes for information about the issues resolved in this release

### **Enhancements**

See the iSUT Release Notes for information about the issues resolved in this release

---

## **Integrated Smart Update Tools for Windows x64**

Version: 2.9.0.0 (Recommended)

### **Important Note!**

Please note the following:

SUT requires a Service Pack for ProLiant-based ISO containing Smart Update Manager (SUM) 8.0.0 or later. If an earlier version of SUM is used, SUT will notify the user that SUM 8.0.0 and later is required.

- SUT uses the iLO RESTful Tool to communicate with iLO. iLO RESTful Tool is included with the SUT component and is installed as part of the SUT installation process. If an earlier version of the iLO RESTful Tool is already installed on a server, the iLO RESTful Tool provided with SUT will be upgraded on the server.

SUT will service HPE ProLiant Gen8 and later versions and requires iLO 4 firmware version 2.51 or later. For Gen10 and above we need iLO 5 firmware version 1.11 or later.

Smart Update Tools requires iLO Advanced Pack license.

### **Prerequisites**

For prerequisite information, please see the iSUT Release Notes.

### **Fixes**

See the iSUT Release Notes for information about the issues resolved in this release

### **Enhancements**

See the iSUT Release Notes for information about the issues resolved in this release

---

## Identifiers for Intel Xeon Scalable Processors (First and Second Generation) for Microsoft Windows

Version: 10.1.18793.8276 (Optional)

### Enhancements

- Removed support for Windows Server 2012 R2
- Added support for Windows Server 2022
- Shortened installation time

---

## Identifiers for Intel Xeon Scalable Processors (Third Generation) for Microsoft Windows

Version: 10.1.18793.8276 (Optional)

### Enhancements

- Added support for Windows Server 2022

---

## Broadcom NetXtreme-E Driver for Windows Server 2019

Version: 218.0.32.0 (B) (Recommended)

### Important Note!

4PE recommends the firmware provided in Broadcom NetXtreme-E Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.4.0 or later, for use with this driver.

### Enhancements

This product supports the following new server:

- HPE ProLiant DL20 Gen10 Plus Server
- HPE ProLiant ML30 Gen10 Plus Server

### Supported Devices and Features

This product supports the following network adapters:

---

## HPE Intel E1R Driver for Windows Server 2016

Version: 12.16.4.1 (Recommended)

### Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.5.0 or later, for use with this driver.

### Enhancements

- This product is updated to maintain compatibility with updated Windows installation library NicInE1R.dll and e1rmsg.dll.

### Supported Devices and Features

This driver supports the following HPE Intel E1R network adapters:

- HPE Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter

- HPE Ethernet 1Gb 4-port 366T Adapter

---

## **HPE Intel E1R Driver for Windows Server 2019**

Version: 12.18.12.1 (Recommended)

### **Important Note!**

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.5.0 or later, for use with this driver.

### **Enhancements**

- This product is updated to maintain compatibility with updated Windows installation library NicInE1R.dll and e1rmsg.dll.

### **Supported Devices and Features**

This driver supports the following HPE Intel E1R network adapters:

- HPE Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter

---

## **HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86\_64**

Version: 2.14.13-1 (C) (Recommended)

### **Important Note!**

- HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.21.0 or later, for use with these drivers.
- HPE recommends i40e driver v.2.14.13(or later) suggested by Intel TA-256(Technical Advisory).

### **Enhancements**

This product supports the following new server:

- HPE ProLiant DL360 Gen10 Plus Server
- HPE ProLiant DL380 Gen10 Plus Server

### **Supported Devices and Features**

This product supports the following network adapters:

- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter

---

## **HPE Intel i40e Drivers for Red Hat Enterprise Linux 8**

Version: 2.14.13-1 (B) (Recommended)

### **Important Note!**

- HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.21.0 or later, for use with these drivers.

- HPE recommends i40e driver v.2.14.13(or later) suggested by Intel TA-256(Technical Advisory).

### **Enhancements**

This product supports the following new server:

- HPE ProLiant DL20 Gen10 Plus Server
- HPE ProLiant ML30 Gen10 Plus Server

### **Supported Devices and Features**

This product supports the following network adapters:

- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter

---

## **HPE Intel i40en Driver for VMware vSphere 6.5**

Version: 2020.09.14 (B) (Recommended)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPOxxxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.13.0 or later, for use with this driver.

### **Enhancements**

This product supports HPE ProLiant DL385 Gen10 Plus Server

### **Supported Devices and Features**

This product supports the following network adapters:

- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter

---

## **HPE Intel i40en Driver for VMware vSphere 6.7**

Version: 2021.04.05 (B) (Recommended)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPOxxxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.14.0 or later, for use with this driver.

### **Enhancements**

This product supports the following new server:

- HPE ProLiant DL360 Gen10 Plus Server
- HPE ProLiant DL380 Gen10 Plus Server

### **Supported Devices and Features**

This product supports the following network adapters:

- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter

---

### **HPE Intel i40en Driver for VMware vSphere 7.0**

Version: 2020.05.29 (B) (Recommended)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPOxxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.12.50 or later, for use with this driver.

### **Enhancements**

This product supports the following new server:

- HPE ProLiant DL20 Gen10 Plus Server
- HPE ProLiant ML30 Gen10 Plus Server

### **Supported Devices and Features**

This product supports the following network adapters:

- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter

---

### **HPE Intel iavf Drivers for Red Hat Enterprise Linux 7 x86\_64**

Version: 4.2.7-1 (Recommended)

### **Important Note!**

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.22.0 or later, for use with these drivers.

### **Fixes**

- This product addresses an issue where HyperV Ping is lost after change MTU on VF interface in a VM linux
- This product addresses an issue which could lead to traffic interrupts and full traffic stop through the bond when VFs were added to bonding-alb/tlb modes



### **Supported Devices and Features**

This product supports the following network adapters:

- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter

---

### **HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86\_64**

Version: 6.7.2-2 (Recommended)

### **Enhancements**

This product now supports Linux Firmware upgrade utility v.1.22.5

### **Supported Devices and Features**

These drivers support the following Intel network adapters:

- HPE Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter

---

### **HPE Intel igb Drivers for Red Hat Enterprise Linux 8**

Version: 6.7.2-2 (Recommended)

### **Enhancements**

- This product now supports Linux Firmware upgrade utility v.1.22.5
- This product now supports Red Hat Enterprise Linux 8 update 4

### **Supported Devices and Features**

These drivers support the following Intel network adapters:

- HPE Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter

---

### **HPE Intel igbn Driver for VMware vSphere 6.5**

Version: 2021.09.04 (Recommended)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibspot.hpe.com webpages, plus an HPE specific CPOxxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.15.0 or later, for use with this driver.

### **Enhancements**

This product enhances the reliability of TX/RX ring hang detection and recovery procedures.

## **Supported Devices and Features**

These drivers support the following network adapters:

- HPE Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter

---

## **HPE Intel igbn Driver for VMware vSphere 6.7**

Version: 2021.09.04 (Recommended)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPOxxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.15.0 or later, for use with this driver.

### **Enhancements**

This product enhances the reliability of TX/RX ring hang detection and recovery procedures.

## **Supported Devices and Features**

These drivers support the following network adapters:

- HPE Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter

---

## **HPE Intel igbn Driver for VMware vSphere 7.0**

Version: 2021.09.04 (Recommended)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPOxxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.15.0 or later, for use with this driver.

### **Enhancements**

This product supports the following new server:

- HPE ProLiant DL20 Gen10 Plus Server
- HPE ProLiant ML30 Gen10 Plus Server

## **Supported Devices and Features**

These drivers support the following network adapters:

- HPE Ethernet 1Gb 2-port 361T Adapter

- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter

---

## **HPE Intel ixgben Driver for VMware vSphere 6.5**

Version: 2021.04.05 (Optional)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPOxxxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.14.0 or later, for use with this driver.

### **Fixes**

This product corrects the maximum supported number of virtual functions.

### **Supported Devices and Features**

These drivers support the following network adapters:

- HPE Ethernet 10Gb 2-port 562T Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter

---

## **HPE Intel ixgben Driver for VMware vSphere 6.7**

Version: 2021.04.05 (Optional)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPOxxxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.13.0 or later, for use with this driver.

### **Fixes**

This product corrects the maximum supported number of virtual functions.

### **Supported Devices and Features**

These drivers support the following network adapters:

- HPE Ethernet 10Gb 2-port 562T Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter

---

## **HPE Intel ixgben Driver for VMware vSphere 7.0**

Version: 2021.04.05 (Optional)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver

deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CP0xxxx.xml file.

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.14.0 or later, for use with this driver.

### **Fixes**

This product corrects the maximum supported number of virtual functions.

### **Supported Devices and Features**

These drivers support the following network adapters:

- HPE Ethernet 10Gb 2-port 562T Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter

---

## **HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2016**

Version: 2.70.24728.0 (Recommended)

### **Fixes**

- This product correct an issue where mlx5cmd tools reporting of the OS version that a VF is running.
- This product correct an issue where incorrect report related to the firmware traces to be logged ( FwTracer) feature on the VF
- This product correct an issue where prevented the package downgrade from replacing mlxdevx.dll in the system folder.
- This product correct an issue which cause TCP connection to drop

### **Supported Devices and Features**

This driver supports the following network adapters:

- HPE Ethernet 100Gb 1-port 842QSFP28 Adapter
- HPE Ethernet 25Gb 2-port 640SFP28 Adapter
- HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter
- HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter

---

## **HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019**

Version: 2.70.24728.0 (Recommended)

### **Fixes**

- This product correct an issue where mlx5cmd tools reporting of the OS version that a VF is running.
- This product correct an issue where incorrect report related to the firmware traces to be logged ( FwTracer) feature on the VF
- This product correct an issue where prevented the package downgrade from replacing mlxdevx.dll in the system folder.
- This product correct an issue which cause TCP connection to drop

## **Supported Devices and Features**

This driver supports the following network adapters:

- HPE Ethernet 100Gb 1-port 842QSFP28 Adapter
- HPE Ethernet 25Gb 2-port 640SFP28 Adapter
- HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter
- HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter

---

## **HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 7 Update 8 (x86\_64)**

Version: 4.17 (Recommended)

### **Fixes**

MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode.

The following issues have been fixed in MFT version 4.17.

- Inconsistent flashing of the firmware while using the Intelligent Platform Management Bus/Bridge service.
- Occasional disconnections when the connected port was being activated.
- Flag "--json" did not work with features that required a user confirmation.
- mlxconfig query for the BOOT\_INTERRUPT\_DIS TLV showed a wrong value in the "current value" field.
- mst version returned an incorrect string: "mst, MFT\_VERSION\_STR built on TOOLS\_BUILD\_TIME + Git SHA Hash: TOOLS\_GIT\_SHA".
- MFT tools did not support using combined short flags without a separation between them.
- Performing a driver restart while burning the firmware resulted in firmware burning failure and occasionally device was not accessible.
- MVPD read errors occurred from the mlxfwmanager during fast reboot.

### **Enhancements**

MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode.

Changes and New features in MFT version 4.17:

- Enabled Anti-rollback protection to prevent old vulnerable firmware versions from being flashed to the device.
- Flint now supports the "--activate\_delay\_sec" flag which performs the activation on the newly burned firmware after the specified delay.
- Remote mst device now supports cable devices. The remote cables will be shown on the mst status and can be accessed via the mlxcables tool.
- Added support for the following
- Parallel firmware burning. Although DMA burning is supported in Virtual Machines as well, burning in such scenarios might be slower than on Physical Machines
- Dual Small Form Factor Pluggable(DSFP) modules in mlxlink.

## **Supported Devices and Features**

SUPPORTED KERNELS: The kernels of Red Hat Enterprise Linux 7 Update 8 (x86\_64) supported by this binary rpm are: 3.10.0-1127.el7 - (x86\_64) and future update kernels.

---

## HPE Mellanox MFT Driver and Firmware Tools for Red Hat Enterprise Linux 7 Update 9 (x86\_64)

Version: 4.17 (Recommended)

### Fixes

MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode.

The following issues have been fixed in MFT version 4.17.

- Inconsistent flashing of the firmware while using the Intelligent Platform Management Bus/Bridge service.
- Occasional disconnections when the connected port was being activated.
- Flag "--json" did not work with features that required a user confirmation.
- mlxconfig query for the BOOT\_INTERRUPT\_DIS TLV showed a wrong value in the "current value" field.
- mst version returned an incorrect string: "mst, MFT\_VERSION\_STR built on TOOLS\_BUILD\_TIME + Git SHA Hash: TOOLS\_GIT\_SHA".
- MFT tools did not support using combined short flags without a separation between them.
- Performing a driver restart while burning the firmware resulted in firmware burning failure and occasionally device was not accessible.
- MVPD read errors occurred from the mlxfwmanager during fast reboot.

### Enhancements

MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode.

Changes and New features in MFT version 4.17:

- Enabled Anti-rollback protection to prevent old vulnerable firmware versions from being flashed to the device.
- Flint now supports the "--activate\_delay\_sec" flag which performs the activation on the newly burned firmware after the specified delay.
- Remote mst device now supports cable devices. The remote cables will be shown on the mst status and can be accessed via the mlxcables tool.
- Added support for the following
  - Parallel firmware burning. Although DMA burning is supported in Virtual Machines as well, burning in such scenarios might be slower than on Physical Machines
  - Dual Small Form Factor Pluggable(DSFP) modules in mlxlink.

### Supported Devices and Features

SUPPORTED KERNELS: The kernels of Red Hat Enterprise Linux 7 Update 9 (x86\_64) supported by this binary rpm are: 3.10.0-1160.el7 - (x86\_64) and future update kernels.

---

## HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 8 (x86\_64)

Version: 5.4 (Recommended)

### Important Note!

Mellanox Ethernet + RoCE Linux driver (mlnx-ofa\_kernel RPMs) supports only Ethernet mode of operation

for HPE Mellanox adapters. For customers requiring complete InfiniBand functionality or "InfiniBand + Ethernet" modes of operation on the same node, install MLNX-OFED drivers from "Mellanox OFED VPI Drivers and Utilities" Linux Software Delivery Repository ([http://downloads.linux.hpe.com/SDR/repo/mlnx\\_ofed/](http://downloads.linux.hpe.com/SDR/repo/mlnx_ofed/)).

### **Prerequisites**

- Following packages must be installed from the respective OS distributions prior to installing the driver component:
- Python version 2.7

### **Fixes**

The following issues have been fixed in version 5.4:

- To support scalability, function representor channels were limited to 4. However in scenarios when SF (Scalable Function) was not used, certain use cases required representors to support a large number of channels. Hence, representor channel limit to 4 was applicable only when a PCI device, such as Scalable Function support, was enabled.
- Matching on `ipv4_ihl` (internet header length) was supported only for outer headers.
- When using one counter for both pop/push VLAN actions, the counter value was incorrect. Hence, Splitting the counter for `pop_vlan_action_counter` and `push_vlan_action_counter`.
- Incorrect L3 decapsulation occurred when the original inner frame was small and was padded to comply with minimum frame size of 64-bytes.
- `dapl` and `libmlx4` were needed by `libdat2` and `libdppdk`. In order to remove or update `dapl` and `libmlx4`, their dependencies had to be removed.
- In fork situation, if parent/children processes happen to have same virtual address, then the doorbell mechanism did not work well and may led to errors in application behavior.
- An override of `log_max_qp` by other devices occurred if the devices share the same `mlx5_core` module.
- A synchronization issue where closing and opening channels (which might happen on configuration changes such as changing number of channels) may caused null pointer dereference in function `mlx5e_select_queue`.
- Enabling `tx-udp_tnl-csum-segmentation` had no affect on the driver.
- Old `udev` versions could get stuck renaming network devices, leaving interfaces named `eth*` instead of `enp*`.
- Flows with `t commit` action with `ct state -trk` were not be offloaded (i.e., `table=0,ct_state=-trk,ip actions=ct(commit,table=1)`).
- Connection tracking over VF LAG with tunnel encapsulation/decapsulation was not supported and caused traffic drop.
- OFED compilation failed when stack size was limited to 1024.
- Setting rate/burst values higher than 2,147,483,648 were rejected.
- Offloaded remote mirroring flows on tunnel device caused forwarded traffic to VF to not be decapsulated.
- Trying to set VPort match mode on VF (`cat/sys/class/net/enp8s0f2/compat/devlink/vport_match_mode`), leads to kernel crash.

- OVS flows were not being offloaded over socket-direct devices.
- When VXLAN was configured and illegal route was added, the system crashed with call trace.
- If any traffic was sent before the netdev went up for the first time, a division by zero caused by a modulo operation occurred in `ndo_select_queue`, leading to a kernel panic.
- After restarting driver, the x86 host might be in grace period and might not recover on its own. As part of the fix, 5 `FW_fatal` recoveries are allowed within the 20-minute grace period. As a result, the grace period in the `devlink health show` command will appear as 0 for `FW_fatal` reporter.

## **Enhancements**

MLNX OFED v5.4 contains the following changes and new features:

For ConnectX-4 Adapters:

- Updated `mlx5` driver to use auxiliary bus in order to integrate different driver components into driver core and optimize module load/unload sequences.
- WJH (What Just Happened) in NICs: WJH allows for visibility of dropped packets (i.e., receiving notice of drop counters increase, seeing content of the dropped packets, debugging, and more). WJH is a service in `devlink` context and it is already implemented in the switch.
- Note: processing dropped packets (even for visibility purposes) may cause a degradation in performance and leaves the driver vulnerable for malicious attacks. The feature is disabled by default.
- Supported traps:
  - VLAN mismatch: existing generic trap `DEVLINK_TRAP_GENERIC_ID_DMACH_MISMATCH` Traps received packets with wrong VLAN tag
  - DMAC mismatch: new generic trap `DEVLINK_TRAP_GENERIC_ID_DMACH_MISMATCH` Traps received packets with wrong destination MAC
- Added support for enabling Relaxed Ordering for Kernel ULPs. Using relaxed ordering can improve performance in some setups. Since kernel ULPs are expected to support RO, it is enabled for them by default so they can benefit from it.

For ConnectX-4 Adapters and above:

- In `MLNX_OFED 5.4 GA`, ConnectX-4/5/6 Ethernet network interfaces are now provided with permanent names. Prior to this release, the default interface names were provided by the kernel and `udev` (`ethX`) remained as-is. From this release onwards, interface names are generated via new `udev` rules. The generated names are now predictable, and the default names are automatically renamed to the predictable names by the `udev` daemon, according to `udev` rules files installed by OFED.

For ConnectX-5 Adapters and above:

- Support to allow OVS (OpenVSwitch) kernel to support up to 128 matches (groups) per table and 16M entries per group.
- Offload `ct_state` flags `rpl`, `inv`, and `rel`.
- For `rpl`, support was added for both set and not set matching offload (i.e., `+rpl` and `-rpl`).
- For `inv` and `rel`, support was added only for the not set option (i.e., `-rel` and `-inv`).
- Scalable functions (also called subfunctions): This feature enables the user to create, configure, and deploy a scalable functions (e.g., RDMA and networking applications) and to assign them to a container when a container is started via `mlxdevm` tool. A scalable function can also be deployed in an untrusted



guest/host system from the NIC/DPU. This enables full configuration of the function and its representors from the NIC/DPU before giving the function for a container to run in a host system.

- Scalable function QoS and QoS group via mlxdevm's rate commands were added. Run "man mlxdevm port" for details.
- "Signature API" which, on supported devices, allows application-level data-integrity checks via a signature handover mechanism. Various signature types, including CRC32 and T10-DIF, can be automatically calculated and checked, stripped, or appended during the transfer at full wire speed.
- DR support for matching on RAW tunnel headers using the misc5 parameters, This feature allows matching on each bit of the header,
- inducing reserved fields.

For ConnectX-6 Dx Adapters:

- Mapping a QP (Queue Pair) to AH over DEVX API, which enables DC/UD QPs to use multiple CC algorithms in the same data center.
- Better insertion rate in software steering was supported. This includes multi-QP which skips areas in the code that may be for debug only.
- Improved rate of updating steering rules, insertion, and deletion. The feature includes definers, multi-qp approach, and better memory usage.
- Added support for ability to allow or prevent insertion of duplicate rules, so the user can choose one of the following behaviors:
- Prevent duplicate rules, so that already-existing rule and fail can be detected.
- Allow duplicate rules, to enable updating the rule's action (this will only take effect once the previous rule is deleted). By default, duplicate rules are allowed.
- Made it so that all rule's insertion occur in a defined time using defined (export) size of Htbl and decreased use of dynamic allocation.

For all HCA's:

- As of version 5.4, the driver is set so that udev rules will change the names of network interfaces created from NVIDIA adapters. The udev rules are shipped to "/lib/udev/rules.d" and may be overridden by placing a file with the same name in "/etc/udev/rules.d".
- Example: /etc/udev/rules.d/82-net-setup-link.rules
- OvS-DPDK deprecated the command "ovs-appctl dpctl/dump-e2e-stats". Instead, the command has been integrated into the existing command "ovs-appctl dpctl/offload-stats-show -m" (when e2e-cache is enabled).
- OvS-DPDK ct-ct-nat offloads is now disabled by default.
- Before version 5.4, /etc/udev/rules.d/90-ib.rules was potentially automatically edited by installation scripts in case the options -umad-dev-rw or -umad-dev-na were used. From version 5.4 and above, those changes are made in /etc/udev/rules.d/91-ib-permissions.rules which (if exist) only include the settings for those command-line options.
- `ibv_query_qp_data_in_order()` API: This API enables an application to check if the given QP data is guaranteed to be in order, enabling poll for data instead of poll for completion.
- Added ethtool extended link state to mlx5e. ethtool can be used to get more information to help troubleshoot the state.

- Moved all Python scripts and some other common scripts out of the mlnxofa\_ kernel packages. This removed the python dependency from that package when rebuilding it and avoided unnecessary errors when rebuilding them for custom kernels.

### **Supported Devices and Features**

SUPPORTED KERNELS: The kernels of Red Hat Enterprise Linux 7 Update 8 (x86\_64) supported by this binary rpm are: 3.10.0-1127.el7 - (x86\_64) and future update kernels.

---

## **HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Mellanox ConnectX-4, ConnectX-5 and ConnectX-6 Adapters for Red Hat Enterprise Linux 7 Update 9 (x86\_64)**

Version: 5.4 (Recommended)

### **Important Note!**

Mellanox Ethernet + RoCE Linux driver (mlnx-ofa\_kernel RPMs) supports only Ethernet mode of operation for HPE Mellanox adapters. For customers requiring complete InfiniBand functionality or "InfiniBand + Ethernet" modes of operation on the same node, install MLNX-OFED drivers from "Mellanox OFED VPI Drivers and Utilities" Linux Software Delivery Repository ([http://downloads.linux.hpe.com/SDR/repo/mlnx\\_ofed/](http://downloads.linux.hpe.com/SDR/repo/mlnx_ofed/)).

### **Prerequisites**

- Following packages must be installed from the respective OS distributions prior to installing the driver component:
- Python version 2.7

### **Fixes**

The following issues have been fixed in version 5.4:

- To support scalability, function representor channels were limited to 4. However in scenarios when SF (Scalable Function) was not used, certain use cases required representors to support a large number of channels. Hence, representor channel limit to 4 was applicable only when a PCI device, such as Scalable Function support, was enabled.
- Matching on ipv4\_ihl (internet header length) was supported only for outer headers.
- When using one counter for both pop/push VLAN actions, the counter value was incorrect. Hence, Splitting the counter for pop\_vlan\_action\_counter and push\_vlan\_action\_counter.
- Incorrect L3 decapsulation occurred when the original inner frame was small and was padded to comply with minimum frame size of 64-bytes.
- dapl and libmlx4 were needed by libdat2 and libdpdk. In order to remove or update dapl and libmlx4, their dependencies had to be removed.
- In fork situation, if parent/children processes happen to have same virtual address, then the doorbell mechanism did not work well and may lead to errors in application behavior.
- An override of log\_max\_qp by other devices occurred if the devices share the same mlx5\_core module.
- A synchronization issue where closing and opening channels (which might happen on configuration changes such as changing number of channels) may cause null pointer dereference in function mlx5e\_select\_queue.

- Enabling tx-udp\_tnl-csum-segmentation had no affect on the driver.
- Old udevd versions could get stuck renaming network devices, leaving interfaces named eth\* instead of enp\*.
- Flows with t commit action with ct state -trk were not be offloaded (i.e., table=0,ct\_state=-trk,ip actions=ct(commit,table=1)).
- Connection tracking over VF LAG with tunnel encapsulation/decapsulation was not supported and caused traffic drop.
- OFED compilation failed when stack size was limited to 1024.
- Setting rate/burst values higher than 2,147,483,648 were rejected.
- Offloaded remote mirroring flows on tunnel device caused forwarded traffic to VF to not be decapsulated.
- Trying to set VPort match mode on VF (cat/sys/class/net/enp8s0f2/compat/devlink/vport\_match\_mode), leads to kernel crash.
- OVS flows were not being offloaded over socket-direct devices.
- When VXLAN was configured and illegal route was added, the system crashed with call trace.
- If any traffic was sent before the netdev went up for the first time, a division by zero caused by a modulo operation occurred in ndo\_select\_queue, leading to a kernel panic.
- After restarting driver, the x86 host might be in grace period and might not recover on its own. As part of the fix, 5 FW\_fatal recoveries are allowed within the 20-minute grace period. As a result, the grace period in the devlink health show command will appear as 0 for FW\_fatal reporter.

## **Enhancements**

MLNX OFED v5.4 contains the following changes and new features:

For ConnectX-4 Adapters:

- Updated mlx5 driver to use auxiliary bus in order to integrate different driver components into driver core and optimize module load/unload sequences.
- WJH (What Just Happened) in NICs: WJH allows for visibility of dropped packets (i.e., receiving notice of drop counters increase, seeing content of the dropped packets, debugging, and more). WJH is a service in devlink context and it is already implemented in the switch.
- Note: processing dropped packets (even for visibility purposes) may cause a degradation in performance and leaves the driver vulnerable for malicious attacks. The feature is disabled by default.
- Supported traps:
  - VLAN mismatch: existing generic trap DEVLINK\_TRAP\_GENERIC\_ID\_DMACH\_MISMATCH Traps received packets with wrong VLAN tag
  - DMACH mismatch: new generic trap DEVLINK\_TRAP\_GENERIC\_ID\_DMACH\_MISMATCH Traps received packets with wrong destination MAC
- Added support for enabling Relaxed Ordering for Kernel ULPs. Using relaxed ordering can improve performance in some setups. Since kernel ULPs are expected to support RO, it is enabled for them by default so they can benefit from it.

For ConnectX-4 Adapters and above:

- In MLNX\_OFED 5.4 GA, ConnectX-4/5/6 Ethernet network interfaces are now provided with permanent

names. Prior to this release, the default interface names were provided by the kernel and udevd (ethX) remained as-is. From this release onwards, interface names are generated via new udevd rules. The generated names are now predictable, and the default names are automatically renamed to the predictable names by the udevd daemon, according to udev rules files installed by OFED.

For ConnectX-5 Adapters and above:

- Support to allow OVS (OpenVSwitch) kernel to support up to 128 matches (groups) per table and 16M entries per group.
- Offload ct\_state flags rpl, inv, and rel.
- For rpl, support was added for both set and not set matching offload (i.e., +rpl and -rpl).
- For inv and rel, support was added only for the not set option (i.e., -rel and -inv).
- Scalable functions (also called subfunctions): This feature enables the user to create, configure, and deploy a scalable functions (e.g., RDMA and networking applications) and to assign them to a container when a container is started via mlxdevm tool. A scalable function can also be deployed in an untrusted guest/host system from the NIC/DPU. This enables full configuration of the function and its representors from the NIC/DPU before giving the function for a container to run in a host system.
- Scalable function QoS and QoS group via mlxdevm's rate commands were added. Run "man mlxdevm port" for details.
- "Signature API" which, on supported devices, allows application-level data-integrity checks via a signature handover mechanism. Various signature types, including CRC32 and T10-DIF, can be automatically calculated and checked, stripped, or appended during the transfer at full wire speed.
- DR support for matching on RAW tunnel headers using the misc5 parameters, This feature allows matching on each bit of the header,
- inducing reserved fields.

For ConnectX-6 Dx Adapters:

- Mapping a QP (Queue Pair) to AH over DEVX API, which enables DC/UD QPs to use multiple CC algorithms in the same data center.
- Better insertion rate in software steering was supported. This includes multi-QP which skips areas in the code that may be for debug only.
- Improved rate of updating steering rules, insertion, and deletion. The feature includes definers, multi-qp approach, and better memory usage.
- Added support for ability to allow or prevent insertion of duplicate rules, so the user can choose one of the following behaviors:
- Prevent duplicate rules, so that already-existing rule and fail can be detected.
- Allow duplicate rules, to enable updating the rule's action (this will only take effect once the previous rule is deleted). By default, duplicate rules are allowed.
- Made it so that all rule's insertion occur in a defined time using defined (export) size of Htbl and decreased use of dynamic allocation.

For all HCA's:

- As of version 5.4, the driver is set so that udev rules will change the names of network interfaces created from NVIDIA adapters. The udev rules are shipped to "/lib/udev/rules.d" and may be overridden by placing a file with the same name in "/etc/udev/rules.d".

- Example: `/etc/udev/rules.d/82-net-setup-link.rules`
- OvS-DPDK deprecated the command "ovs-appctl dpctl/dump-e2e-stats". Instead, the command has been integrated into the existing command "ovs-appctl dpctl/offload-stats-show -m" (when e2e-cache is enabled).
- OvS-DPDK ct-ct-nat offloads is now disabled by default.
- Before version 5.4, `/etc/udev/rules.d/90-ib.rules` was potentially automatically edited by installation scripts in case the options `-umad-dev-rw` or `-umad-dev-na` were used. From version 5.4 and above, those changes are made in `/etc/udev/rules.d/91-ib-permissions.rules` which (if exist) only include the settings for those command-line options.
- `ibv_query_qp_data_in_order()` API: This API enables an application to check if the given QP data is guaranteed to be in order, enabling poll for data instead of poll for completion.
- Added `ethtool` extended link state to `mlx5e`. `ethtool` can be used to get more information to help troubleshoot the state.
- Moved all Python scripts and some other common scripts out of the `mlnxofa_ kernel` packages. This removed the python dependency from that package when rebuilding it and avoided unnecessary errors when rebuilding them for custom kernels.

### **Supported Devices and Features**

SUPPORTED KERNELS: The kernels of Red Hat Enterprise Linux 7 Update 9 (x86\_64) supported by this binary rpm are: 3.10.0-1160.el7 - (x86\_64) and future update kernels.

---

### **HPE QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 7 x86\_64**

Version: 8.55.14.0-2 (Recommended)

### **Important Note!**

HPE recommends the firmware provided in HPE QLogic FastLinQ Firmware Package for Arrowhead adapters, version 8.55.27 or later, for use with these drivers.

### **Fixes**

- This product addresses an issue where the 10GbE Adapters having an DNS resolution issue on Kubernetes container-orchestration system
- This product addresses an issue where system crashes after PCIe error injection multiple times on HPE SDFlex system
- This product addresses an issue where the ethernet data rate limiting doesn't work for Virtual Functions (VFs) .
- This product addresses an issue where the system crash once there are not enough number of msix vectors as requested for Virtual Functions (VFs).

### **Supported Devices and Features**

This product supports the following network adapters:

---

## HPE QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 8

Version: 8.55.14.0-2 (Recommended)

### **Important Note!**

HPE recommends the firmware provided in HPE QLogic FastLinQ Firmware Package for Arrowhead adapters, version 8.55.27 or later, for use with these drivers.

### **Fixes**

- This product addresses an issue where the 10GbE Adapters having an DNS resolution issue on Kubernetes container-orchestration system
- This product addresses an issue where system crashes after PCIe error injection multiple times on HPE SDFlex system

### **Enhancements**

This product now supports Red Hat Enterprise Linux 8 update 4

### **Supported Devices and Features**

This product supports the following network adapters:

---

## HPE QLogic FastLinQ 10/25/50 GbE Drivers for Windows Server x64 Editions

Version: 8.58.16.0 (Recommended)

### **Important Note!**

HPE recommends the firmware provided in HPE QLogic FastLinQ Firmware Package for Arrowhead adapters, version 8.55.27 or later, for use with these drivers.

### **Fixes**

- This product correct an issue where RoCE+L2 traffic on MOS in NPAR mode
- This product correct an issue where transmitting under heavy PAUSE/Priority-based Flow Control (PFC)
- This product correct an issue where turning off VMs while VF RDMA traffic is running
- This product correct an issue where yellow bang while running VF RoCE traffic with overnight switch port.
- This product correct an issue where installing drivers with iSCSI enumerated.

### **Enhancements**

This product now supports Microsoft Windows Server 2022.

### **Supported Devices and Features**

This product supports the following network adapters:

---

## HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 6.5

Version: 2021.09.04 (Recommended)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver

deliverable available from the vmware.com and the HPE vibsdepot.hp.com webpages, plus an HPE specific CPOxxxxx.xml file.

HPE recommends the firmware provided in HPE QLogic FastLinQ Firmware Package for Arrowhead adapters, version 8.55.27 or later, for use with these drivers.

### **Enhancements**

This product enhances that collection of Firmware debug data in different scenarios.

### **Supported Devices and Features**

This product supports the following network adapters:

---

## **HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 6.7**

Version: 2021.09.04 (Recommended)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hp.com webpages, plus an HPE specific CPOxxxxx.xml file.

HPE recommends the firmware provided in HPE QLogic FastLinQ Firmware Package for Arrowhead adapters, version 8.55.27 or later, for use with these drivers.

### **Fixes**

This product corrects an issue Vmkernel logs are flooding while running the traffic.

### **Enhancements**

This product enhances reliability via adding support for communication between firmware and drivers.

### **Supported Devices and Features**

This product supports the following network adapters:

---

## **HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 7.0**

Version: 2021.09.04 (Recommended)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hp.com webpages, plus an HPE specific CPOxxxxx.xml file.

HPE recommends the firmware provided in HPE QLogic FastLinQ Firmware Package for Arrowhead adapters, version 8.55.27 or later, for use with these drivers.

### **Fixes**

This product corrects an issue Vmkernel logs are flooding while running the traffic.

### **Enhancements**

This product enhances reliability via adding support for communication between firmware and drivers.

## **Supported Devices and Features**

This product supports the following network adapters:

---

## **HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.5**

Version: 2021.09.04 (Recommended)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hp.com webpages, plus an HPE specific CPOxxxx.xml file.

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for VMware, version 1.29.0 or later, for use with this driver.

### **Enhancements**

This products enhances the mechanism that collation of data log.

## **Supported Devices and Features**

These drivers support the following network adapters:

- HPE Ethernet 10Gb 2-port 530T Adapter
- HPE Ethernet 10Gb 2-port 530SFP+ Adapter
- HPE FlexFabric 10Gb 2-port 533FLR-T Adapter

---

## **HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.7**

Version: 2021.09.04 (Recommended)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hp.com webpages, plus an HPE specific CPOxxxx.xml file.

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for VMware, version 1.29.0 or later, for use with this driver.

### **Enhancements**

This products enhances the mechanism that collation of data log.

## **Supported Devices and Features**

These drivers support the following network adapters:

- HPE Ethernet 10Gb 2-port 530T Adapter
- HPE Ethernet 10Gb 2-port 530SFP+ Adapter
- HPE FlexFabric 10Gb 2-port 533FLR-T Adapter

---

## **HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0**

Version: 2021.09.04 (Recommended)



### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip file that contains the same driver deliverable available from the vmware.com and the HPE vib depot.hp.com webpages, plus an HPE specific CP0xxxx.xml file.

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for VMware, version 1.29.0 or later, for use with this driver.

### **Enhancements**

- This product enhances the mechanism that collation of data log.
- This product now supports ESXi 7.0 U3.

### **Supported Devices and Features**

These drivers support the following network adapters:

- HPE Ethernet 10Gb 2-port 530T Adapter
- HPE Ethernet 10Gb 2-port 530SFP+ Adapter
- HPE FlexFabric 10Gb 2-port 533FLR-T Adapter

---

## **HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 7 x86\_64**

Version: 7.14.80-6 (Recommended)

### **Important Note!**

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86\_64, version 2.29.0 or later, for use with these drivers.

### **Fixes**

This product addresses an issue where Virtual Local Area Networks(VLANs) resource accounting when linux driver creating 272 Virtual Local Area Networks(VLANs) on single Virtual Functions, then enable interface after closed.

### **Enhancements**

- This product now supports MDI(Medium Dependent Interface)/MDIX(Medium Dependent Interface Crossover) connection status to ethtool.
- This product now supports Timestamping the unicast Precision Time Protocol (PTP) packets.

### **Supported Devices and Features**

These drivers support the following network adapters:

- HPE Ethernet 10Gb 2-port 530SFP+ Adapter
- HPE Ethernet 10Gb 2-port 530T Adapter

---

## **HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8**

Version: 7.14.80-6 (Recommended)

### **Important Note!**

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for Linux

x86\_64, version 2.29.0 or later, for use with these drivers.

### **Fixes**

This product addresses an issue where Virtual Local Area Networks(VLANs) resource accounting when linux driver creating 272 Virtual Local Area Networks(VLANs) on single Virtual Functions, then enable interface after closed.

### **Enhancements**

- This product now supports MDI(Medium Dependent Interface)/MDIX(Medium Dependent Interface Crossover) connection status to ethtool.
- This product now supports Timestamping the unicast Precision Time Protocol (PTP) packets.
- This product now supports Red Hat Enterprise Linux 8 update 4

### **Supported Devices and Features**

These drivers support the following network adapters:

- HP Ethernet 10Gb 2-port 530SFP+ Adapter
- HP Ethernet 10Gb 2-port 530T Adapter

---

## **HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions**

Version: 7.13.206.0 (Recommended)

### **Important Note!**

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.5.0 or later, for use with these drivers.

### **Fixes**

- This product correct an issue where System crash while upgrading with NPAR SRIOV-EP mode enabled.
- This product correct an issue where BSOD in Windows NDIS driver while in WS2022 PCS Configuration.

### **Enhancements**

This product now supports Microsoft Windows Server 2022.

### **Supported Devices and Features**

This driver supports the following network adapters:

- HPE Ethernet 10Gb 2-port 530SFP+ Adapter
- HPE Ethernet 10Gb 2-port 530T Adapter

The products only supported Microsoft Windows Server 2016 and Microsoft Windows Server 2019 as below,

---

## **Intel i350 Driver for Windows Server 2016**

Version: 12.16.4.1 (Recommended)

### **Important Note!**

HPE recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64

Editions, version 5.2.5.0 or later, for use with this driver.

### **Enhancements**

- This product is updated to maintain compatibility with updated Windows installation library NicInE1R.dll and e1rmsg.dll.

### **Supported Devices and Features**

This driver supports the following HPE Intel Powerville network adapters:

- Intel(R) I350 Gigabit Network Connection

---

### **Intel i350 Driver for Windows Server 2019**

Version: 12.18.12.1 (Recommended)

### **Important Note!**

HPE recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.2.5.0 or later, for use with this driver.

### **Enhancements**

- This product is updated to maintain compatibility with updated Windows installation library NicInE1R.dll and e1rmsg.dll.

### **Supported Devices and Features**

This driver supports the following HPE Intel E1R network adapters:

- Intel(R) I350 Gigabit Network Connection

---

### **Intel icea Driver for Windows Server 2016**

Version: 1.9.65.0 (Recommended)

### **Important Note!**

HPE recommends the firmware provided in Intel Firmware Package for Columbiaville (FWPKG), version 3.0 or later, for use with this driver.

### **Enhancements**

This product now supports the following network adapters:

- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

### **Supported Devices and Features**

This driver supports the following HPE Intel ICEA network adapters:

- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

---

## **Intel icea Driver for Windows Server 2019**

Version: 1.9.65.0 (Recommended)

### **Important Note!**

HPE recommends the firmware provided in Intel Firmware Package for Columbiaville (FWPKG), version 3.0 or later, for use with this driver.

### **Enhancements**

This product now supports the following network adapters:

- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

### **Supported Devices and Features**

This driver supports the following HPE Intel ICEA network adapters:

- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

---

## **Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2016**

Version: 2.70.24728.0 (Recommended)

### **Fixes**

- This product correct an issue which mlx5cmd tools reporting of the OS version that a VF is running.
- This product correct an issue which incorrect report related to the firmware traces to be logged ( FwTracer) feature on the VF
- This product correct an issue which prevented the package downgrade from replacing mlxdevx.dll in the system folder.
- This product correct an issue which cause TCP connection to drop

### **Supported Devices and Features**

This driver supports the following network adapters:

- HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter

---

## **Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019**

Version: 2.70.24728.0 (Recommended)

## Fixes

- This product correct an issue which mlx5cmd tools reporting of the OS version that a VF is running.
- This product correct an issue which incorrect report related to the firmware traces to be logged ( FwTracer) feature on the VF
- This product correct an issue which prevented the package downgrade from replacing mlxdevx.dll in the system folder.
- This product correct an issue which cause TCP connection to drop

## Supported Devices and Features

This driver supports the following network adapters:

- HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter

---

## **net-mst kernel module driver component for VMware ESXi 6.5 and 6.7**

Version: 2020.11.11 (A) (Recommended)

### Important Note!

- This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the HPE vibsdepot.hpe.com webpage, plus an HPE specific CPXXXX.xml file.

### Prerequisites

NA

### Enhancements

NMST version 4.12.0.105:

This version adds support for the following adapters:

## Supported Devices and Features

HPE Part Number	Device Name	PSID
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
874253-B21	HPE Ethernet 100Gb 1-port 842QSFP28 Adapter	HPE0000000014
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	HPE0000000036
P10180-B21	Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE	MT_0000000435

---

## **net-mst kernel module driver component for VMware ESXi 7.0**

Version: 2020.11.11 (A) (Recommended)

### Important Note!

- This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the HPE vibsdepot.hpe.com webpage, plus an HPE specific CPXXXX.xml file.

## Prerequisites

NA

## Fixes

NMST version 4.14.3.3

## Supported Devices and Features

HPE Part Number	Device Name	PSID
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE000000009
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
874253-B21	HPE Ethernet 100Gb 1-port 842QSFP28 Adapter	HPE000000014
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	HPE000000036
P10180-B21	Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE	MT_0000000435

---

## **nmlx5\_en Driver Component for VMware 6.5**

Version: 2021.04.15 (Recommended)

### **Important Note!**

Known Issues in version 4.16.71.1:

- The maximum number of established active RDMA connections (QPs) is currently 5000.
- Setting ETS value to 0 may cause WQE timeout.
- ECN tunable parameter initialAlphaValue for the Reaction Point protocol cannot be modified.
- ECN statistic counters accumulatorsPeriod and ecnMarkedRoce-Packets display wrong values and cannot be cleared.
- The hardware can offload only up to 256 Bytes of headers.
- The "esxcli network sriovnic vf stats" command is not supported.
- Traffic cannot be sent between PV and SR-IOV VF connected to different ports on the same HCA.
- Setting the "Allow Guest MTU Change" option in vSphere Client is currently not functional. Although guest MTU changes in SR-IOV are allowed, they do not affect the port's MTU and the guest's MTU remains the same as the PF MTU.
- Geneve options length support is limited to 56 Bytes. Received packets with options length bigger than 56 Bytes are dropped.
- Interaction with ConnectX-4/ConnectX-4 Lx older firmware versions might result in the following internal firmware errors:

---

## **nmlx5\_en Driver Component for VMware 6.7**

Version: 2021.04.15 (Recommended)

## **Important Note!**

Known Issues in version 4.17.71.1:

- ECN tunable parameter initialAlphaValue for the Reaction Point protocol cannot be modified.
- SRI-OV is not supported while ENS is enabled.
- The maximum number of established active RDMA connections (QPs) is currently 5000.
- Enhanced Network Stack(ENS) is currently not supported in ConnectX-6 Dx adapter cards.
- Setting ETS value to 0 may cause WQE timeout.
- A PSOD may occur during vMotion over ENS VMK.
- During ENS uplink detachment from the ENS DVS, the below error message regarding the queue still being allocated or that the requested queue is not in use may appear.
- Live unload of the driver is not supported. Doing so may cause a PSOD if the max\_vfs parameter is set.
- ECN statistic counters accumulatorsPeriod and ecnMarkedRoce-Packets display wrong values and cannot be cleared.
- The maximum value of RSS must be lower than the number of CPU cores.
- The hardware can offload only up to 256B of headers.
- The "esxcli network sriovnic vf stats" command is not supported. When running this command on a vmknic, a failure message is displayed.
- There is no traffic between PV and SR-IOV VF connected to different ports on the same HCA.
- Setting the "Allow Guest MTU Change" option in vSphere Client is currently not functional. Although guest MTU changes in SR-IOV are allowed, they do not affect the port's MTU and the guest's MTU remains the same as the PF MTU.
- When a guest is assigned an IB PCI passthru device or an IB VF, VMware Tools networking information for the guest may be incorrect. This affects how the guest networking information, such as interfaces and their IPs, is displayed in vCenter.
- Operations on vmnics which are in passthru mode are not supported.
- The 'esxcli mellanox uplink link info -u <vmnic\_name>' command reports the 'Auto negotiation' capability always as 'true'.
- SMP MADs (ibnetdiscover, sminfo, iblinkinfo, smpdump, ibqueryerr, ibdiagnet and smpquery) are not supported on the VFs.
- Wake-on-LAN does not notify when invalid parameters are provided.
- Nested ESXi might not function properly.
- Device RSS fails to hash traffic to sufficient RX rings with Broadcast traffic.
- In stress condition 'Watchdog' may appear, leading to uplink going up and down.
- During ENS uplink detachment from the ENS DVS, the below error message regarding the queue still being allocated or that the requested queue is not in use may appear. "Driver covers for OS issue and the messages are for information only."
- Although the max\_vfs module parameter range is "0-128", due to firmware limitations, the following are the supported VFs per single port devices:
  - - ConnectX-4: up to 127
  - - ConnectX-5: up to 127

For further information on the release notes for ESXi 6.7 Driver Version 4.17.70.1 follow the below link:

[https://www.mellanox.com/page/products\\_dyn?product\\_family=29&mtag=vmware\\_driver](https://www.mellanox.com/page/products_dyn?product_family=29&mtag=vmware_driver)

### **Fixes**

The following issues have been fixed in version in 4.17.71.1:

- The "esxcli network sriovnic vf stats" command was not supported. When running this command on a "vmknic", a failure message was displayed.
- IPv6 as inner packet was not supported.

### **Enhancements**

#### **Changes and New Features in smart component version 2021.04.15:**

- Added support for the following adapters:

New features and changes in version 4.17.71.1:

- Disabled the option of shutting down the link due to power limitation.
- Support for trusting Differentiated Services Code Point (DSCP) and setting default value for RoCE traffic.
- New counter that enables the user to query per Virtual Function counters.
- RX out-of-buffer counter to indicate any lack of software receive buffers.
- Module parameter to enforce specific RoCE version.

### **Supported Devices and Features**

HPE Part Number	Device Name	PSID
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
874253-B21	HPE Ethernet 100Gb 1-port 842QSFP28 Adapter	HPE0000000014
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	HPE0000000036
P10180-B21	Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE	MT_0000000435

---

### **HPE Smart Array S100i SR Gen10 SW RAID Driver for Windows Server 2016 and Windows Server 2019**

Version: 106.12.6.0 (B) (Critical)

### **Fixes**

Addressed an issue where the HPE Smart Array s100i Software RAID may experience potential data inconsistency during initial configuration or operation of a RAID volume configured in RAID 0/1/5/10 Fault Tolerant Modes.

This issue does not impact systems that have not enabled Smart Array s100i support.

**IMPORTANT INFORMATION:**

- An array configured with a single RAID 0 logical drive is NOT affected.
- An array configured with a single RAID 1 logical drive is NOT affected.



---

## HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)

Version: 2.1.12-055 (Recommended)

### Fixes

- Fixed an issue where duplicate device nodes for Ultrium tape drive and medium changer are being created.
- Fixed an issue where in some situations when the driver takes the controller offline, a kernel crash can occur.
- Fixed an issue where OS boot may fail during logical volume rebuild.
- Fixed an issue where using sysfs to temporarily remove a device does not work.
- Fixed an issue where during system hibernation, driver frees all the irqs, disables MSIx interrupts and requests legacy INTx interrupt. When driver invokes request\_irq() , OS returns - EINVAL.
- Due to a change in the SCSI mid-layer, some Linux distributions may take a long time to come up if the system is rebooted while a hard disk(s) is being sanitized.
- Fixed an issue with request leakage, performance drop, and system crash. The issue happens in a max configuration where heavy I/O load is exercised with occasional LUN resets on the exposed devices.

### Supported Devices and Features

SUPPORTED KERNELS: The kernels of Red Hat Enterprise Linux7 (64-bit) supported by this binary rpm are: 3.10.0-957.el7- Red Hat Enterprise Linux 7 Update 6 (64-bit) and future errata kernels for update 6.

---

## HPE ProLiant Gen10 and Gen10Plus Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)

Version: 2.1.12-055 (Recommended)

### Fixes

- Fixed an issue where duplicate device nodes for Ultrium tape drive and medium changer are being created.
- Fixed an issue where in some situations when the driver takes the controller offline, a kernel crash can occur.
- Fixed an issue where OS boot may fail during logical volume rebuild.
- Fixed an issue where using sysfs to temporarily remove a device does not work.
- Fixed an issue where during system hibernation, driver frees all the irqs, disables MSIx interrupts and requests legacy INTx interrupt. When driver invokes request\_irq() , OS returns - EINVAL.
- Due to a change in the SCSI mid-layer, some Linux distributions may take a long time to come up if the system is rebooted while a hard disk(s) is being sanitized.
- Fixed an issue with request leakage, performance drop, and system crash. The issue happens in a max configuration where heavy I/O load is exercised with occasional LUN resets on the exposed devices.

### Supported Devices and Features

SUPPORTED KERNELS: The kernels of Red Hat Enterprise Linux8 (64-bit) supported by this binary rpm are: -

default- Red Hat Enterprise Linux 8 Update 0 (64-bit).

---

## **HPE Smart Array Gen10 and Gen10Plus Controller Driver for Windows Server 2016, Windows Server 2019, and Windows Server 2022**

Version: 1010.6.0.1025 (Recommended)

### **Fixes**

- A BSOD issue when running large transfer I/O traffic to SATA drives connected behind an expander.
- Fixed RAID1 incorrectly request when SmartPath is enabled.

---

## **HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019**

Version: 12.8.351.7 (Recommended)

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

### **Enhancements**

- Updated to driver version 12.8.351.7

The raw driver files can be obtained by extracting the Smart Component and then extracting the Emulex installer. Use this command:

```
elxdrv-fc-version.exe /q2 extract=2
```

The extracted files are located:

```
C:\Users\Administrator\Documents\Emulex\Drivers\FC-version
```

Each kit folder has subsequent architecture folders with subsequent OS folders. For example,

```
C:\Users\Administrator\Documents\Emulex\Drivers\FC-version\x64\win2019
```

### **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

---

## **HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2016**

Version: 9.4.5.20 (Recommended)

### **Important Note!**

Release Notes: HPE QLogic Adapters Release Notes

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

### **Fixes**

Fixed the following:

- Removed the "fwload" registry parameter.
- Fixed an unwanted behavior where Link up/down messages were not always logged in the Window System Event log.
- Fixed unwanted behavior with the reporting of Fabric Port Identification Number (FPIN) and Universal Storage Area Network (SAN) Congestion Mitigation (USCM) statistics.
- Fixed an unwanted behavior where connections to tape drives may fail to recover in the event of "SCSI Check Condition" commands or cable pulls.
- Fixed an unwanted behavior where the server may encounter a Blue Screen Of Death (BSOD) 0x0000009f message during shutdown as described in Advisory: HPE Host Bus Adapters - HPE Platforms Running a Microsoft Windows Server 2016 / 2019 Hyper-V Environment, and Configured With Certain HPE HBAs With the QLogic Storport Driver v9.4.2.20, May Experience a Bug Check 0x9F Event

### **Enhancements**

Added the following:

- Made improvements to the Fabric Port Identification Number (FPIN) and Universal Storage Area Network (SAN) Congestion Mitigation (USCM) Congestion Management algorithms.
- Updated to version 9.4.5.20

### **Supported Devices and Features**

This driver supports the following HPE adapters:

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

## **HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019**

Version: 9.4.5.20 (Recommended)

### **Important Note!**

Release Notes: HPE QLogic Adapters Release Notes

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

### **Fixes**

Fixed the following:

- Removed the "fwload" registry parameter.
- Fixed an unwanted behavior where Link up/down messages were not always logged in the Window System Event log.

- Fixed unwanted behavior with the reporting of Fabric Port Identification Number (FPIN) and Universal Storage Area Network (SAN) Congestion Mitigation (USCM) statistics.
- Fixed an unwanted behavior where connections to tape drives may fail to recover in the event of "SCSI Check Condition" commands or cable pulls.
- Fixed an unwanted behavior where the server may encounter a Blue Screen Of Death (BSOD) 0x0000009f message during shutdown as described in Advisory: HPE Host Bus Adapters - HPE Platforms Running a Microsoft Windows Server 2016 / 2019 Hyper-V Environment, and Configured With Certain HPE HBAs With the QLogic Storport Driver v9.4.2.20, May Experience a Bug Check 0x9F Event

### **Enhancements**

Added the following:

- Made improvements to the Fabric Port Identification Number (FPIN) and Universal Storage Area Network (SAN) Congestion Mitigation (USCM) Congestion Management algorithms.
- Updated to version 9.4.5.20

### **Supported Devices and Features**

This driver supports the following HPE adapters:

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

## **Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters**

Version: 12.8.528.7 (Recommended)

### **Important Note!**

Release Notes: HPE Emulex Adapters Release Notes

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

### **Enhancements**

- Updated to driver version 12.8.528.7

### **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

---

## Red Hat Enterprise Linux 7 Update 8 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters

Version: 10.02.01.00.a14-k1 (b) (Recommended)

### **Important Note!**

Release Notes: HPE QLogic Adapters Release Notes

NOTE:

- 1. The rpm base-name for the QLogic driver has been changed to "qlgc". Upgrades from the earlier "hpqlgc" driver are supported.

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

### **Enhancements**

- Updated to driver version 10.02.01.00.a14-k1

### **Supported Devices and Features**

This driver supports the following HPE adapters:

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

## Red Hat Enterprise Linux 7 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters

Version: 12.8.528.7 (Recommended)

### **Important Note!**

Release Notes: HPE Emulex Adapters Release Notes

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

### **Enhancements**

- Updated to driver version 12.8.528.7

### **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

---

## Red Hat Enterprise Linux 7 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters

Version: 10.02.01.00.a14-k1 (b) (Recommended)

### **Important Note!**

Release Notes: HPE QLogic Adapters Release Notes

NOTE:

- 1. The rpm base-name for the QLogic driver has been changed to "qlgc". Upgrades from the earlier "hpqlgc" driver are supported.

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

### **Enhancements**

- Updated to driver version 10.02.01.00.a14-k1

### **Supported Devices and Features**

This driver supports the following HPE adapters:

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

## Red Hat Enterprise Linux 8 Update 3 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and Mezzanine Host Bus Adapters

Version: 12.8.528.7 (Recommended)

### **Important Note!**

Release Notes: HPE Emulex Adapters Release Notes

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

### **Enhancements**

- Updated to driver version 12.8.528.7

### **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

---

## Red Hat Enterprise Linux 8 Update 3 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters and Mezzanine Host Bus Adapters

Version: 10.02.01.00.a14-k1 (b) (Recommended)

### **Important Note!**

Release Notes: HPE QLogic Adapters Release Notes

NOTE:

- 1. The rpm base-name for the QLogic driver has been changed to "qlgc". Upgrades from the earlier "hpqlgc" driver are supported.

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

### **Enhancements**

- Updated to driver version 10.02.01.00.a14-k1

### **Supported Devices and Features**

This driver supports the following HPE adapters:

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

## HPE Non-Volatile Memory Drivers for Microsoft Windows Server 2016

Version: 3.0.2.0 (B) (Recommended)

### **Important Note!**

This Smart Component version 3.0.2.0 contains the HPE NVM Bus Driver HpeNvmBus.sys version 3.0.2.0 and the HPE NVM Disk Driver HpeNvmDisk0101 version 3.0.2.0.

### **Enhancements**

- Removed support for Windows Server 2012 R2

---

## iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2016 and Microsoft Windows Server 2019

Version: 4.7.1.0 (B) (Optional)

### **Important Note!**

- Installing the iLO 5 Channel Interface Driver, version 4.1.0.0 or earlier, will overwrite this driver. To avoid the overwrite, use version 4.1.0.0(B) or later of the iLO 5 Channel Interface Driver.

### **Enhancements**

- Added support for Snap5 platforms

---

**iLO 5 Channel Interface Driver for Microsoft Windows Server 2016 and Microsoft Windows Server 2019**

Version: 4.7.1.0 (B) (Optional)

**Enhancements**

- Added support for Snap5 platforms

---

**Matrox G200eH3 Video Controller Driver for Microsoft Windows 64-bit**

Version: 9.15.1.248 (Optional)

**Enhancements**

- Added support for Microsoft Windows Server 2022
- Added support for Edgeline platforms

---

**Language Pack - Japanese**

Version: 2.55 (Optional)

**Fixes**

Translation fixes of previous version.

**Enhancements**

- Japanese Language Pack to support iLO5 firmware v2.42

---

**Language Pack - Japanese**

Version: 2.55 (Optional)

**Prerequisites**

Requires iLO 5 firmware version 1.10 or higher

**Fixes**

Translation fixes of previous version.

**Enhancements**

- Japanese Language Pack to support iLO5 firmware v2.55

---

**Online ROM Flash Component for Linux - iLO 5**

Version: 1.48 (Recommended)

**Fixes**

- Implemented the set server info command for all the DCi supporting options in previous versions of iLO 5 which may reset NIC settings during iLO 5 update.

---

**Online ROM Flash Component for Linux - iLO 5**

Version: 2.55 (Recommended)



## **Fixes**

- Fixed an issue where the Adapter Virtualization Mode was not persistent across reboots.
- During System boot/reboot, iLO will stall the complete storage controller discovery such that encryption status query happens after PCIeVDM interface is ready.
- Fixed an issue where none of the Controller were getting detected when Encryption was Enabled.
- Fixed intermittent issue where none of the NVME drives were getting detected in OS when iLO is reset multiple times.
- Fixed a configuration sync issue during IPv6 initialization when SLAAC Enable/Disable settings were modified.
- Support added to increase the mapping limit of 32 to 64 physical drives to one logical drive.
- Fixed the long boot time issue when encryption is enabled on smart array controller.
- Fixed the NS204i-p unknown status issue after the windows reboot.
- Fixed the data source for HPE FlexFabric 20Gb 2-port 650FLB Adapter to report correctly when AMS is not installed.

## **Enhancements**

- Support for HPE ProLiant ML30 Gen10 Plus and HPE ProLiant DL20 Gen10 Plus Server.
- Support import of SSL certificate which is more than 20KB via iLO REST and GUI.
- Support for PCIE bifurcated slot for Intel E810 2CQDA2 100G NIC.
- Support for 64 Character length Password similar to how other vendors provide.
- Implemented workaround for health monitoring of NVME M.2 drives as these were partially compliant to NVMe-MI spec.

---

## **Online ROM Flash Component for Windows x64 - iLO 5**

Version: 1.48 (Recommended)

## **Fixes**

- Implemented the set server info command for all the DCi supporting options in previous versions of iLO 5 which may reset NIC settings during iLO 5 update.

---

## **Online ROM Flash Component for Windows x64 - iLO 5**

Version: 2.55 (Recommended)

## **Fixes**

- Fixed an issue where the Adapter Virtualization Mode was not persistent across reboots.
- During System boot/reboot, iLO will stall the complete storage controller discovery such that encryption status query happens after PCIeVDM interface is ready.
- Fixed an issue where none of the Controller were getting detected when Encryption was Enabled.
- Fixed intermittent issue where none of the NVME drives were getting detected in OS when iLO is reset multiple times.
- Fixed a configuration sync issue during IPv6 initialization when SLAAC Enable/Disable settings were modified.

- Support added to increase the mapping limit of 32 to 64 physical drives to one logical drive.
- Fixed the long boot time issue when encryption is enabled on smart array controller.
- Fixed the NS204i-p unknown status issue after the windows reboot.
- Fixed the data source for HPE FlexFabric 20Gb 2-port 650FLB Adapter to report correctly when AMS is not installed.

### **Enhancements**

- Support for HPE ProLiant ML30 Gen10 Plus and HPE ProLiant DL20 Gen10 Plus Server.
- Support import of SSL certificate which is more than 20KB via iLO REST and GUI.
- Support for PCIE bifurcated slot for Intel E810 2CQDA2 100G NIC.
- Support for 64 Character length Password similar to how other vendors provide.
- Implemented workaround for health monitoring of NVME M.2 drives as these were partially compliant to NVMe-MI spec.

---

### **Online ROM Flash Firmware Package - iLO 5**

Version: 1.48 (Recommended)

### **Fixes**

- Implemented the set server info command for all the DCi supporting options in previous versions of iLO 5 which may reset NIC settings during iLO 5 update.

---

### **Online ROM Flash Firmware Package - iLO 5**

Version: 2.55 (Recommended)

### **Fixes**

- Fixed an issue where the Adapter Virtualization Mode was not persistent across reboots.
- During System boot/reboot, iLO will stall the complete storage controller discovery such that encryption status query happens after PCIeVDM interface is ready.
- Fixed an issue where none of the Controller were getting detected when Encryption was Enabled.
- Fixed intermittent issue where none of the NVME drives were getting detected in OS when iLO is reset multiple times.
- Fixed a configuration sync issue during IPv6 initialization when SLAAC Enable/Disable settings were modified.
- Support added to increase the mapping limit of 32 to 64 physical drives to one logical drive.
- Fixed the long boot time issue when encryption is enabled on smart array controller.
- Fixed the NS204i-p unknown status issue after the windows reboot.
- Fixed the data source for HPE FlexFabric 20Gb 2-port 650FLB Adapter to report correctly when AMS is not installed.

### **Enhancements**

- Support for HPE ProLiant ML30 Gen10 Plus and HPE ProLiant DL20 Gen10 Plus Server.
- Support import of SSL certificate which is more than 20KB via iLO REST and GUI.

- Support for PCIE bifurcated slot for Intel E810 2CQDA2 100G NIC.
- Support for 64 Character length Password similar to how other vendors provide.
- Implemented workaround for health monitoring of NVME M.2 drives as these were partially compliant to NVMe-MI spec.

---

## **HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters**

Version: 218.0.166000 (B) (Recommended)

### **Fixes**

This product addresses an issue about battery POST error caused by unnecessary protocol on Supported Devices of this product.

### **Supported Devices and Features**

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 537SFP+ Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter
- HPE Ethernet 10Gb 2-port 535T Adapter
- HPE Ethernet 10Gb 2-port 535FLR-T Adapter
- HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter

---

## **HPE Intel Online Firmware Upgrade Utility for Linux x86\_64**

Version: 1.22.6 (Recommended)

### **Important Note!**

HPE recommends at least one of the following drivers, as appropriate for your device, for use with this firmware:

- HPE Intel igb Drivers for Linux, versions 6.7.2 or later
- HPE Intel ixgbe Drivers for Linux , versions 5.12.5 or later
- HPE Intel i40e Drivers for Linux, versions 2.16.11 or later

### **Prerequisites**

This package requires the appropriate driver for your network adapter be installed an all Ethernet ports brought up(ifup ethX or ifconfig ethX up or wicked ifup ethX) before firmware can be updated.

- If local system doesn't configure any network interface for the adapter that are necessary to create the network config file to bring up interface.
- - For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/.

### **Enhancements**

### **Supported Devices and Features**

This package supports the following network adapters:

- HPE Ethernet 1Gb 2-port 361T Adapter

- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter
- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562T Adapter

---

## HPE Intel Online Firmware Upgrade Utility for VMware

Version: 3.15.5 (Recommended)

### **Important Note!**

This software package contains the following firmware versions for the below listed supported network adapters:

NIC	EEPROM/NVM Version	OROM Version	Single NVM Version
HPE Ethernet 1Gb 2-port 361T Adapter	80001147	1.2836.0	N/A
HPE Ethernet 1Gb 4-port 366FLR Adapter	80001148	1.2836.0	N/A
HPE Ethernet 1Gb 4-port 366T Adapter	80001146	1.2836.0	N/A
HPE Ethernet 1Gb 4-port 369i Adapter	800027FB	1.2836.0	N/A
HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	80009655	1.2836.0	10.54.7
HPE Ethernet 10Gb 2-port 562FLR-T Adapter	8000137D	1.2836.0	10.54.4
HPE Ethernet 10Gb 2-port 562SFP+ Adapter	800095AA	1.2836.0	10.54.7
HPE Ethernet 10Gb 2-port 562T Adapter	8000137C	1.2836.0	10.54.4

The combo image v1.2836.0 includes: Boot Agent: 1GbE - v1.5.88, 10GbE - v2.4.44, 40GbE - v1.1.18 & UEFI Drivers: 1GbE - v9.4.06, 10GbE - v7.8.13, 40GbE - v4.4.12

The combo image v1.1375.0 includes: Boot Agent: 1GbE - v1.5.72, 10GbE - v2.3.46, 40GbE - v1.0.21 & UEFI Drivers: 1GbE - v6.9.13, 10GbE - v5.0.20, 40GbE - v1.5.14

Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM version.

### **Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### **Enhancements**

This product now supports VMware ESXi 7.0 u3

### **Supported Devices and Features**

This package supports the following network adapters:

- HPE Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter

- HPE Ethernet 1Gb 4-port 366T Adapter
- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562T Adapter

---

## HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.2.5.0 (Recommended)

### **Important Note!**

This software package contains the following firmware versions for the below listed supported network adapters:

NIC	EEPROM/NVM Version	OROM Version	Single NVM Version
HPE Ethernet 1Gb 2-port 361T Adapter	80001147	1.2836.0	N/A
HPE Ethernet 1Gb 4-port 366FLR Adapter	80001148	1.2836.0	N/A
HPE Ethernet 1Gb 4-port 366T Adapter	80001146	1.2836.0	N/A
HPE Ethernet 1Gb 4-port 369i Adapter	800027FB	1.2836.0	N/A
HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	80009655	1.2836.0	10.54.7
HPE Ethernet 10Gb 2-port 562FLR-T Adapter	8000137D	1.2836.0	10.54.4
HPE Ethernet 10Gb 2-port 562SFP+ Adapter	800095AA	1.2836.0	10.54.7
HPE Ethernet 10Gb 2-port 562T Adapter	8000137C	1.2836.0	10.54.4

The combo image v1.2836.0 includes: Boot Agent: 1GbE - v1.5.88, 10GbE - v2.4.44, 40GbE - v1.1.18 & UEFI Drivers: 1GbE - v9.4.06, 10GbE - v7.8.13, 40GbE - v4.4.12

The combo image v1.1375.0 includes: Boot Agent: 1GbE - v1.5.72, 10GbE - v2.3.46, 40GbE - v1.0.21 & UEFI Drivers: 1GbE - v6.9.13, 10GbE - v5.0.20, 40GbE - v1.5.14

Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM version.

### **Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### **Fixes**

- This product no longer supports Windows Server 2012 R2.

### **Supported Devices and Features**

This package supports the following network adapters:

- HPE Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter

- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562FLR-T Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562T Adapter

---

## **HPE QLogic FastLinQ Firmware Package for Arrowhead adapters**

Version: 8.55.27 (Recommended)

### **Important Note!**

- For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,
- HPE QLogic FastLinQ 10/25/50 GbE Drivers for Linux, version 8.55.14.0-2 or later
- HPE QLogic FastLinQ 10/25/50 GbE Drivers for Microsoft Windows Server x64 Editions, version 8.58.16.0 or later
- HPE QLogic FastLinQ 10/25/50 GbE Multifunction Drivers for VMware, version 2021.09.04 or later

### **Fixes**

This product addresses an issue where the modification on string format of firmware update payload.

### **Enhancements**

Initial version

### **Supported Devices and Features**

This product supports the following network adapters:

---

## **HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86\_64**

Version: 2.29.2 (Recommended)

### **Important Note!**

HPE recommends HPE QLogic NX2 10/20GbE Multifunction Drivers for Linux, versions 7.14.80 or later, for use with the firmware in this package.

### **Prerequisites**

This package requires the appropriate driver for your network adapter be installed on all Ethernet ports brought up (ifup ethX or ifconfig ethX up or wicked ifup ethX) before firmware can be updated.

- If local system doesn't configure any network interface for the adapter that are necessary to create the network config file to bring up interface. - For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/.

### **Enhancements**

### **Supported Devices and Features**

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 530SFP+ Adapter
- HPE Ethernet 10Gb 2-port 530T Adapter

---

## HPE QLogic NX2 Online Firmware Upgrade Utility for VMware

Version: 1.29.3 (Recommended)

### **Important Note!**

HPE recommends HPE QLogic NX2 10/20GbE Multifunction Drivers for VMware, versions 2021.09.04 or later, for use with this firmware.

- This software package contains combo image v7.18.82 with the following firmware versions:

NIC	Boot Code Version	PXE Version	UEFI Version	iSCSI Version	FCoE Version	CCM Version	L2 Version
HPE Ethernet 10Gb 2-port 530SFP+ Adapter	7.16.03	7.14.13	8.9.0	n/a	n/a	7.14.4	7.12.25
HPE Ethernet 10Gb 2-port 530T Adapter							

### **Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### **Enhancements**

- This products enhances the mechanism that memory usage when more than one adapters
- This product now supports VMware ESXi 7.0 u3

### **Supported Devices and Features**

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 530SFP+ Adapter
- HPE Ethernet 10Gb 2-port 530T Adapter

---

## HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.2.5.0 (Recommended)

### **Important Note!**

HPE recommends at least one of the following drivers, as appropriate for your device, for use with this firmware:

- HPE QLogic NX2 10/20GbE Multifunction Drivers for Windows Server x64 Editions, version 7.13.206.0 or later
- This software package contains combo image v7.18.82 with the following firmware versions:

NIC	Boot Code Version	PXE Version	UEFI Version	iSCSI Version	FCoE Version	CCM Version	L2 Version
HPE Ethernet 10Gb 2-port 530SFP+ Adapter	7.16.03	7.14.13	8.9.0	n/a	n/a	7.14.4	7.12.25

HPE Ethernet 10Gb 2-port 530T Adapter							
--	--	--	--	--	--	--	--

The users will only see the combo image versions in the interactive mode firmware update or while using HPESUM/SPP to update the firmware on the supported adapters.

### **Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### **Enhancements**

This product now supports Microsoft Windows Server 2022.

### **Supported Devices and Features**

This product supports the following network adapters:

- HPE Ethernet 10Gb 2-port 530SFP+ Adapter
- HPE Ethernet 10Gb 2-port 530T Adapter

### **Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter**

Version: 3.00 (Recommended)

### **Important Note!**

- For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,
- Intel icea Driver for Microsoft Windows Server, version 1.9.65.0 or later
- Intel ice Drivers for Linux, version 1.6.4-1 or later
- Intel icea Driver for VMware, version 2021.09.04 or later

### **Fixes**

This product addresses an issue where Firmware version isn't correct in AHS log when upgrading Firmware.

### **Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE

### **Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter**

Version: 3.00 (Recommended)

### **Important Note!**

- For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,
- Intel icea Driver for Microsoft Windows Server, version 1.9.65.0 or later
- Intel ice Drivers for Linux, version 1.6.4-1 or later
- Intel icea Driver for VMware, version 2021.09.04 or later



## **Fixes**

This product addresses an issue where Firmware version isn't correct in AHS log when upgrading Firmware.

## **Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE

---

## **Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter**

Version: 3.00 (Recommended)

## **Important Note!**

- For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,
- Intel icea Driver for Microsoft Windows Server, version 1.9.65.0 or later
- Intel ice Drivers for Linux, version 1.6.4-1 or later
- Intel icea Driver for VMware, version 2021.09.04 or later

## **Fixes**

This product addresses an issue where Firmware version isn't correct in AHS log when upgrading Firmware.

## **Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

---

## **Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter**

Version: 3.00 (Recommended)

## **Important Note!**

- For Firmware installation, there is no OS and drivers dependency. For Firmware compatibility during production, HPE recommends the drivers for use with the firmware Package product as below,
- Intel icea Driver for Microsoft Windows Server, version 1.9.65.0 or later
- Intel ice Drivers for Linux, version 1.6.4-1 or later
- Intel icea Driver for VMware, version 2021.09.04 or later

## **Fixes**

This product addresses an issue where Firmware version isn't correct in AHS log when upgrading Firmware.

## **Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE

---

## **Intel Online Firmware Upgrade Utility for Linux x86\_64**

Version: 1.23.5 (Recommended)

### **Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### **Enhancements**

### **Supported Devices and Features**

This package supports the following network adapters:

- Intel(R) I350 Gigabit Network Connection (2-port)
- Intel(R) I350 Gigabit Network Connection (4-port)
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

---

### **Intel Online Firmware Upgrade Utility for VMware**

Version: 3.16.5 (Recommended)

### **Important Note!**

This software package contains the following firmware versions for the below listed supported network adapters:

NIC	EEPROM/NVM Version	OROM Version	NVM Version
HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	8000A4FF	1.2829.0	8.3
HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	8000A3DE	1.2829.0	8.3
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	80001099	1.2839.0	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	80001097	1.2839.0	N/A
Intel(R) I350 Gigabit Network Connection (2-port)	8000108E	1.2839.0	N/A
Intel(R) I350 Gigabit Network Connection (4-port)	8000108F	1.2839.0	N/A

The combo image v1.2839.0 includes: Boot Agent: 1GbE - v1.5.88 & UEFI Drivers: 1GbE - v9.4.06.

### **Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### **Enhancements**

This product now supports VMware ESXi 7.0 u3

### **Supported Devices and Features**

This package supports the following network adapters:

- Intel(R) I350 Gigabit Network Connection (2-port)
- Intel(R) I350 Gigabit Network Connection (4-port)
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

---

### **Intel Online Firmware Upgrade Utility for Windows Server x64 Editions**

Version: 5.2.5.0 (Recommended)

### **Important Note!**

This software package contains the following firmware versions for the below listed supported network adapters:

NIC	EEPROM/NVM Version	OROM Version	NVM Version
HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	8000A4FF	1.2829.0	8.3
HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	8000A3DE	1.2829.0	8.3
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	80001099	1.2839.0	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	80001097	1.2839.0	N/A
Intel(R) I350 Gigabit Network Connection (2-port)	8000108E	1.2839.0	N/A
Intel(R) I350 Gigabit Network Connection (4-port)	8000108F	1.2839.0	N/A

The combo image v1.2839.0 includes: Boot Agent: 1GbE - v1.5.88 & UEFI Drivers: 1GbE - v9.4.06.

### **Prerequisites**

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

### **Enhancements**

This product supports the following new server:

- HPE ProLiant DL20 Gen10 Plus Server
- HPE ProLiant ML30 Gen10 Plus Server

### **Supported Devices and Features**

This package supports the following network adapters:

- Intel(R) I350 Gigabit Network Connection (2-port)
- Intel(R) I350 Gigabit Network Connection (4-port)
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

---

### **Online Firmware Upgrade Utility (ESXi 6.5) for HPE Mellanox Ethernet only adapters**

Version: 1.0.10 (Recommended)

### **Important Note!**

- The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters, one supporting Synergy platforms and the other supporting ProLiant and Apollo platforms. This package supports Mellanox Ethernet Only NIC adapters on ProLiant and Apollo servers.

### **Prerequisites**

Use iLO5 firmware version 2.30 or higher with ConnectX4/ConnectX5 firmware version 14.28.1002/16.28.1002 respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

## Fixes

### Fixes included in firmware version 2.42.5044 :

- An issue that prevented the firmware from detecting a link\_down event thus preventing the IB bond interface from going to a failover mode.

The following issues have been fixed in version 14.31.1200:

- TX PRBS was not changed even after reconfiguring it, all PRBS mode were enabled in test mode.
- A fatal error occurred and eventually resulted in the HCA to get into an unresponsive state when a packet was larger than a strided receive WQE that was being scattered.
- The resource number size (a 64 bit number) was overwritten with a 32 bit number and erased the high bits when de-allocating the resource number.

### Additional Fixes included in version 14.31.1200:

- Fixed the rate select mechanism in QSFP modules.
- Fixed classification issues for "Passive" cables to be more robust.
- Initialized the rate table in the static configuration so it will be configured at the link-not-up scenarios.

The following issues have been fixed in version 16.31.1014:

- TX PRBS was not changed even after reconfiguring it, all PRBS mode were enabled in test mode.
- An assert that was caused when trying to open 1024 functions on the device and the maximum number of functions was 1023.
- Occasional performance issues related to RC QPs using E2E-credits (not connected to SRQ and doing send/receive traffic) when the ROCE\_ACCL tx\_window was enabled.
- A fatal error occurred and eventually resulted in the HCA to get into an unresponsive state when a packet was larger than a strided receive WQE that was being scattered.
- A rare issue that caused RX pipe to hang.
- The resource number size (a 64 bit number) was overwritten with a 32 bit number and erased the high bits when de-allocating the resource number.
- CRT\_DCR with index larger than  $1 << 21$  occasionally collided with the CRT\_SW\_RESERVED address.
- An issue that caused the TX queue to get into an unresponsive state when the VF rate limiter was set.

### Additional Fixes included in version 16.31.1014:

- Disabled the CNP counter "rp\_cnp\_ignored" (triggered by OOS (out-of-sequence)) when all ports are IB.
- Fixed the TMP421 sensor temperature reporting.
- Fixed the rate select mechanism in QSFP modules.
- Fixed classification issues for "Passive" cables to be more robust.
- Initialized the rate table in the static configuration so it will be configured at the link-not-up scenarios.

## Enhancements

- Firmware for the following devices are updated to 2.42.5044 :  
779799-B21 (HPE Ethernet 10G 2-port 546FLR-SFP+ Adapter) 779793-B21 (HPE Ethernet 10G 2-port 546SFP+ Adapter)
- Firmware for the following devices are updated to 14.31.1200:  
817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)

- Firmware for the following devices are updated to 14.31.1200: 817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)

- Firmware for the following device is updated to 16.31.1014: 874253-B21 (HPE Ethernet 100Gb 1-port 842QSFP28 Adapter)

New features and changes in version 14.31.1200:

- NVconfig per Port for a Specific Finisar Module: Added a new NVconfig per Port for a specific Finisar module. This new NVconfig sets the port to work in AN mode and sets the module to No DME. This change does not affect the speed logic, only the FEC logic (FEC override). Note: If the port does not go up, switch to Force mode.

New features and changes in version 16.31.1014:

- NIC scheduling feature support has been disabled for non-privileged functions.
- Implemented a new NC-SI command `get_debug_info` to get `mstdump` via the NC-SI protocol to debug a device if the PCI link fails for any given reason.
- Added support for Enabling/Disabling NIC and RDMA (port/partition) via the UEFI HII system settings. Note: Values set in this option only take effect when is Ethernet mode.
- Increased the maximum number of MSIX per VF to 127.
- Asymmetrical MSIX Configuration: This feature allows the device to be configured with a different number of MSIX vectors per physical PCI functions. To use this feature, please follow these steps:

---

## Online Firmware Upgrade Utility (ESXi 6.5) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 6.5

Version: 1.0.9 (Recommended)

### Fixes

Following issues have been fixed in firmware version 12.28.2006:

- An issue that caused the DCR to be destroyed before the retry option managed to work when the retry timeout is too big. In this case the DCR' time-to-live was increased, and the maximum retry timeout was decreased.
- Increased PHY power consumption limit to 1.5w.
- An issue that caused `PortCounters.PortRcvErr / PPCNT.infiniband_counters.PortRcvErr` not to report port icrc errors.

The following issues have been fixed in version 16.31.1200:

- TX PRBS was not changed even after reconfiguring it, all PRBS mode were enabled in test mode.
- An assert that was caused when trying to open 1024 functions on the device and the maximum number of functions was 1023.
- Occasional performance issues related to RC QPs using E2E-credits (not connected to SRQ and doing send/receive traffic) when the `ROCE_ACCL tx_window` was enabled.
- A fatal error occurred and eventually resulted in the HCA to get into an unresponsive state when a packet was larger than a strided receive WQE that was being scattered.
- A rare issue that caused RX pipe to hang.
- The resource number size (a 64 bit number) was overwritten with a 32 bit number and erased the high

bits when de-allocating the resource number.

- CRT\_DCR with index larger than 1 << 21 occasionally collided with the CRT\_SW\_RESERVED address.
- An issue that caused the TX queue to get into an unresponsive state when the VF rate limiter was set.

#### **Additional Fixes included in version 16.31.1200:**

- Disabled the CNP counter "rp\_cnp\_ignored " (triggered by OOS (out-of-sequence)) when all ports are IB.
- Fixed the TMP421 sensor temperature reporting.
- Fixed the rate select mechanism in QSFP modules.
- Fixed classification issues for "Passive" cables to be more robust.
- Initialized the rate table in the static configuration so it will be configured at the link-not-up scenarios.

#### **Enhancements**

- Firmware for the following devices are updated to 12.28.2006:

825110-B21 (HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter) 825111-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter)

New Feature and Changes in Version 12.28.2006:

- Increased the maximum XRQ number to 512.

- Firmware for the following devices are updated to 16.31.1200:

879482-B21 (HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter) 872726-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

New features and changes included in version 16.31.1200:

- NIC scheduling feature support has been disabled for non-privileged functions.
- Implemented a new NC-SI command get\_debug\_info to get mstdump via the NC-SI protocol to debug a device if the PCI link fails for any given reason.
- support for Enabling/Disabling NIC and RDMA (port/partition) was included via the UEFI HII system settings.
- Increased the maximum number of MSIX per VF to 127.
- Asymmetrical MSIX Configuration: This feature allows the device to be configured with a different number of MSIX vectors per physical PCI functions. To use this feature, please follow these steps:

---

#### **Online Firmware Upgrade Utility (ESXi 6.7) for HPE Mellanox Ethernet only adapters**

Version: 1.0.6 (Recommended)

#### **Important Note!**

- The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters, one supporting Synergy platforms and the other supporting ProLiant and Apollo platforms. This package supports Mellanox Ethernet Only NIC adapters on ProLiant and Apollo servers.

#### **Prerequisites**

Use iLO5 firmware version 2.30 or higher with ConnectX4/ConnectX5 firmware version 14.28.1002/16.28.1002 respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

## **Fixes**

### **Fixes included in firmware version 2.42.5044 :**

- An issue that prevented the firmware from detecting a link\_down event thus preventing the IB bond interface from going to a failover mode.

The following issues have been fixed in version 14.31.1200:

- TX PRBS was not changed even after reconfiguring it, all PRBS mode were enabled in test mode.
- A fatal error occurred and eventually resulted in the HCA to get into an unresponsive state when a packet was larger than a strided receive WQE that was being scattered.
- The resource number size (a 64 bit number) was overwritten with a 32 bit number and erased the high bits when de-allocating the resource number.

### **Additional Fixes included in version 14.31.1200:**

- o Fixed the rate select mechanism in QSFP modules.
- Fixed classification issues for "Passive" cables to be more robust.
- Initialized the rate table in the static configuration so it will be configured at the link-not-up scenarios.

The following issues have been fixed in version 16.31.1014:

- TX PRBS was not changed even after reconfiguring it, all PRBS mode were enabled in test mode.
- An assert that was caused when trying to open 1024 functions on the device and the maximum number of functions was 1023.
- Occasional performance issues related to RC QPs using E2E-credits (not connected to SRQ and doing send/receive traffic) when the ROCE\_ACCL tx\_window was enabled.
- A fatal error occurred and eventually resulted in the HCA to get into an unresponsive state when a packet was larger than a strided receive WQE that was being scattered.
- A rare issue that caused RX pipe to hang.
- The resource number size (a 64 bit number) was overwritten with a 32 bit number and erased the high bits when de-allocating the resource number.
- CRT\_DCR with index larger than  $1 \ll 21$  occasionally collided with the CRT\_SW\_RESERVED address.
- An issue that caused the TX queue to get into an unresponsive state when the VF rate limiter was set.

### **Additional Fixes included in version 16.31.1014:**

- Disabled the CNP counter "rp\_cnp\_ignored" (triggered by OOS (out-of-sequence)) when all ports are IB.
- Fixed the TMP421 sensor temperature reporting.
- Fixed the rate select mechanism in QSFP modules.
- Fixed classification issues for "Passive" cables to be more robust.
- Initialized the rate table in the static configuration so it will be configured at the link-not-up scenarios.

## **Enhancements**

- Firmware for the following devices are updated to 2.42.5044 :  
779799-B21 (HPE Ethernet 10G 2-port 546FLR-SFP+ Adapter) 779793-B21 (HPE Ethernet 10G 2-port 546SFP+ Adapter)
- Firmware for the following devices are updated to 14.31.1200:  
817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)

- Firmware for the following devices are updated to 14.31.1200: 817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)

- Firmware for the following device is updated to 16.31.1014: 874253-B21 (HPE Ethernet 100Gb 1-port 842QSFP28 Adapter)

New features and changes in version 14.31.1200:

- NVconfig per Port for a Specific Finisar Module: Added a new NVconfig per Port for a specific Finisar module. This new NVconfig sets the port to work in AN mode and sets the module to No DME. This change does not affect the speed logic, only the FEC logic (FEC override). Note: If the port does not go up, switch to Force mode.

New features and changes in version 16.31.1014:

- NIC scheduling feature support has been disabled for non-privileged functions.
- Implemented a new NC-SI command `get_debug_info` to get `mstdump` via the NC-SI protocol to debug a device if the PCI link fails for any given reason.
- Added support for Enabling/Disabling NIC and RDMA (port/partition) via the UEFI HII system settings. Note: Values set in this option only take effect when is Ethernet mode.
- Increased the maximum number of MSIX per VF to 127.
- Asymmetrical MSIX Configuration: This feature allows the device to be configured with a different number of MSIX vectors per physical PCI functions. To use this feature, please follow these steps:

---

## Online Firmware Upgrade Utility (ESXi 6.7) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 6.7

Version: 1.0.5 (Recommended)

### Fixes

Following issues have been fixed in firmware version 12.28.2006:

- An issue that caused the DCR to be destroyed before the retry option managed to work when the retry timeout is too big. In this case the DCR' time-to-live was increased, and the maximum retry timeout was decreased.
- Increased PHY power consumption limit to 1.5w.
- An issue that caused `PortCounters.PortRcvErr / PPCNT.infiniband_counters.PortRcvErr` not to report port icrc errors.

The following issues have been fixed in version 16.31.1200:

- TX PRBS was not changed even after reconfiguring it, all PRBS mode were enabled in test mode.
- An assert that was caused when trying to open 1024 functions on the device and the maximum number of functions was 1023.
- Occasional performance issues related to RC QPs using E2E-credits (not connected to SRQ and doing send/receive traffic) when the `ROCE_ACCL tx_window` was enabled.
- A fatal error occurred and eventually resulted in the HCA to get into an unresponsive state when a packet was larger than a strided receive WQE that was being scattered.
- A rare issue that caused RX pipe to hang.
- The resource number size (a 64 bit number) was overwritten with a 32 bit number and erased the high



bits when de-allocating the resource number.

- CRT\_DCR with index larger than 1 << 21 occasionally collided with the CRT\_SW\_RESERVED address.
- An issue that caused the TX queue to get into an unresponsive state when the VF rate limiter was set.

#### **Additional Fixes included in version 16.31.1200:**

- Disabled the CNP counter "rp\_cnp\_ignored " (triggered by OOS (out-of-sequence)) when all ports are IB.
- Fixed the TMP421 sensor temperature reporting.
- Fixed the rate select mechanism in QSFP modules.
- Fixed classification issues for "Passive" cables to be more robust.
- Initialized the rate table in the static configuration so it will be configured at the link-not-up scenarios.

#### **Enhancements**

- Firmware for the following devices are updated to 12.28.2006:

825110-B21 (HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter) 825111-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter)

New Feature and Changes in Version 12.28.2006:

- Increased the maximum XRQ number to 512.

- Firmware for the following devices are updated to 16.31.1200:

879482-B21 (HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter) 872726-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

New features and changes included in version 16.31.1200:

- NIC scheduling feature support has been disabled for non-privileged functions.
- Implemented a new NC-SI command get\_debug\_info to get mstdump via the NC-SI protocol to debug a device if the PCI link fails for any given reason.
- support for Enabling/Disabling NIC and RDMA (port/partition) was included via the UEFI HII system settings.
- Increased the maximum number of MSIX per VF to 127.
- Asymmetrical MSIX Configuration: This feature allows the device to be configured with a different number of MSIX vectors per physical PCI functions. To use this feature, please follow these steps:

---

#### **Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox Ethernet only adapters**

Version: 1.0.2 (Recommended)

#### **Important Note!**

- The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters, one supporting Synergy platforms and the other supporting ProLiant and Apollo platforms. This package supports Mellanox Ethernet Only NIC adapters on ProLiant and Apollo servers.

#### **Prerequisites**

Use iLO5 firmware version 2.30 or higher with ConnectX4/ConnectX5 firmware version 14.28.1002/16.28.1002 respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

## Fixes

### Fixes included in firmware version 2.42.5044 :

- An issue that prevented the firmware from detecting a link\_down event thus preventing the IB bond interface from going to a failover mode.

The following issues have been fixed in version 14.31.1200:

- TX PRBS was not changed even after reconfiguring it, all PRBS mode were enabled in test mode.
- A fatal error occurred and eventually resulted in the HCA to get into an unresponsive state when a packet was larger than a strided receive WQE that was being scattered.
- The resource number size (a 64 bit number) was overwritten with a 32 bit number and erased the high bits when de-allocating the resource number.

### Additional Fixes included in version 14.31.1200:

- Fixed the rate select mechanism in QSFP modules.
- Fixed classification issues for "Passive" cables to be more robust.
- Initialized the rate table in the static configuration so it will be configured at the link-not-up scenarios.

The following issues have been fixed in version 16.31.1014:

- TX PRBS was not changed even after reconfiguring it, all PRBS mode were enabled in test mode.
- An assert that was caused when trying to open 1024 functions on the device and the maximum number of functions was 1023.
- Occasional performance issues related to RC QPs using E2E-credits (not connected to SRQ and doing send/receive traffic) when the ROCE\_ACCL tx\_window was enabled.
- A fatal error occurred and eventually resulted in the HCA to get into an unresponsive state when a packet was larger than a strided receive WQE that was being scattered.
- A rare issue that caused RX pipe to hang.
- The resource number size (a 64 bit number) was overwritten with a 32 bit number and erased the high bits when de-allocating the resource number.
- CRT\_DCR with index larger than  $1 << 21$  occasionally collided with the CRT\_SW\_RESERVED address.
- An issue that caused the TX queue to get into an unresponsive state when the VF rate limiter was set.

### Additional Fixes included in version 16.31.1014:

- Disabled the CNP counter "rp\_cnp\_ignored" (triggered by OOS (out-of-sequence)) when all ports are IB.
- Fixed the TMP421 sensor temperature reporting.
- Fixed the rate select mechanism in QSFP modules.
- Fixed classification issues for "Passive" cables to be more robust.
- Initialized the rate table in the static configuration so it will be configured at the link-not-up scenarios.

## Enhancements

- Firmware for the following devices are updated to 2.42.5044 :

779799-B21 (HPE Ethernet 10G 2-port 546FLR-SFP+ Adapter) 779793-B21 (HPE Ethernet 10G 2-port 546SFP+ Adapter)

- Firmware for the following devices are updated to 14.31.1200:

817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)

- Firmware for the following devices are updated to 14.31.1200: 817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)

- Firmware for the following device is updated to 16.31.1014: 874253-B21 (HPE Ethernet 100Gb 1-port 842QSFP28 Adapter)

New features and changes in version 14.31.1200:

- NVconfig per Port for a Specific Finisar Module: Added a new NVconfig per Port for a specific Finisar module. This new NVconfig sets the port to work in AN mode and sets the module to No DME. This change does not affect the speed logic, only the FEC logic (FEC override).  
Note: If the port does not go up, switch to Force mode.

New features and changes in version 16.31.1014:

- NIC scheduling feature support has been disabled for non-privileged functions.
- Implemented a new NC-SI command `get_debug_info` to get `mstdump` via the NC-SI protocol to debug a device if the PCI link fails for any given reason.
- Added support for Enabling/Disabling NIC and RDMA (port/partition) via the UEFI HII system settings.  
Note: Values set in this option only take effect when is Ethernet mode.
- Increased the maximum number of MSIX per VF to 127.
- Asymmetrical MSIX Configuration: This feature allows the device to be configured with a different number of MSIX vectors per physical PCI functions. To use this feature, please follow these steps:

---

## Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 7.0

Version: 1.0.2 (Recommended)

### Fixes

Following issues have been fixed in firmware version 12.28.2006:

- An issue that caused the DCR to be destroyed before the retry option managed to work when the retry timeout is too big. In this case the DCR' time-to-live was increased, and the maximum retry timeout was decreased.
- Increased PHY power consumption limit to 1.5w.
- An issue that caused `PortCounters.PortRcvErr / PPCNT.infiniband_counters.PortRcvErr` not to report port icrc errors.

The following issues have been fixed in version 16.31.1200:

- TX PRBS was not changed even after reconfiguring it, all PRBS mode were enabled in test mode.
- An assert that was caused when trying to open 1024 functions on the device and the maximum number of functions was 1023.
- Occasional performance issues related to RC QPs using E2E-credits (not connected to SRQ and doing send/receive traffic) when the `ROCE_ACCL tx_window` was enabled.
- A fatal error occurred and eventually resulted in the HCA to get into an unresponsive state when a packet was larger than a strided receive WQE that was being scattered.
- A rare issue that caused RX pipe to hang.
- The resource number size (a 64 bit number) was overwritten with a 32 bit number and erased the high

bits when de-allocating the resource number.

- CRT\_DCR with index larger than 1 << 21 occasionally collided with the CRT\_SW\_RESERVED address.
- An issue that caused the TX queue to get into an unresponsive state when the VF rate limiter was set.

#### **Additional Fixes included in version 16.31.1200:**

- Disabled the CNP counter "rp\_cnp\_ignored " (triggered by OOS (out-of-sequence)) when all ports are IB.
- Fixed the TMP421 sensor temperature reporting.
- Fixed the rate select mechanism in QSFP modules.
- Fixed classification issues for "Passive" cables to be more robust.
- Initialized the rate table in the static configuration so it will be configured at the link-not-up scenarios.

#### **Enhancements**

- Firmware for the following devices are updated to 12.28.2006:

825110-B21 (HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter) 825111-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter)

New Feature and Changes in Version 12.28.2006:

- Increased the maximum XRQ number to 512.

- Firmware for the following devices are updated to 16.31.1200:

879482-B21 (HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter) 872726-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

New features and changes included in version 16.31.1200:

- NIC scheduling feature support has been disabled for non-privileged functions.
- Implemented a new NC-SI command get\_debug\_info to get mstdump via the NC-SI protocol to debug a device if the PCI link fails for any given reason.
- support for Enabling/Disabling NIC and RDMA (port/partition) was included via the UEFI HII system settings.
- Increased the maximum number of MSIX per VF to 127.
- Asymmetrical MSIX Configuration: This feature allows the device to be configured with a different number of MSIX vectors per physical PCI functions. To use this feature, please follow these steps:

---

#### **Online Firmware Upgrade Utility (Linux x86\_64) for HPE Mellanox Ethernet only adapters**

Version: 1.0.15 (Recommended)

#### **Important Note!**

- The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters, one supporting Synergy platforms and the other supporting ProLiant and Apollo platforms. This package supports Mellanox Ethernet Only NIC adapters on ProLiant and Apollo servers.

#### **Prerequisites**

Use iLO5 firmware version 2.30 or higher with ConnectX4/ConnectX5 firmware version 14.28.1002/16.28.1002 respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

## Fixes

### Fixes included in firmware version 2.42.5044 :

- An issue that prevented the firmware from detecting a link\_down event thus preventing the IB bond interface from going to a failover mode.

The following issues have been fixed in version 14.31.1200:

- TX PRBS was not changed even after reconfiguring it, all PRBS mode were enabled in test mode.
- A fatal error occurred and eventually resulted in the HCA to get into an unresponsive state when a packet was larger than a strided receive WQE that was being scattered.
- The resource number size (a 64 bit number) was overwritten with a 32 bit number and erased the high bits when de-allocating the resource number.

### Additional Fixes included in version 14.31.1200:

- Fixed the rate select mechanism in QSFP modules.
- Fixed classification issues for "Passive" cables to be more robust.
- Initialized the rate table in the static configuration so it will be configured at the link-not-up scenarios.

The following issues have been fixed in version 16.31.1014:

- TX PRBS was not changed even after reconfiguring it, all PRBS mode were enabled in test mode.
- An assert that was caused when trying to open 1024 functions on the device and the maximum number of functions was 1023.
- Occasional performance issues related to RC QPs using E2E-credits (not connected to SRQ and doing send/receive traffic) when the ROCE\_ACCL tx\_window was enabled.
- A fatal error occurred and eventually resulted in the HCA to get into an unresponsive state when a packet was larger than a strided receive WQE that was being scattered.
- A rare issue that caused RX pipe to hang.
- The resource number size (a 64 bit number) was overwritten with a 32 bit number and erased the high bits when de-allocating the resource number.
- CRT\_DCR with index larger than  $1 << 21$  occasionally collided with the CRT\_SW\_RESERVED address.
- An issue that caused the TX queue to get into an unresponsive state when the VF rate limiter was set.

### Additional Fixes included in version 16.31.1014:

- Disabled the CNP counter "rp\_cnp\_ignored" (triggered by OOS (out-of-sequence)) when all ports are IB.
- Fixed the TMP421 sensor temperature reporting.
- Fixed the rate select mechanism in QSFP modules.
- Fixed classification issues for "Passive" cables to be more robust.
- Initialized the rate table in the static configuration so it will be configured at the link-not-up scenarios.

## Enhancements

- Firmware for the following devices are updated to 2.42.5044 :  
779799-B21 (HPE Ethernet 10G 2-port 546FLR-SFP+ Adapter) 779793-B21 (HPE Ethernet 10G 2-port 546SFP+ Adapter)
- Firmware for the following devices are updated to 14.31.1200:  
817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)

- Firmware for the following devices are updated to 14.31.1200: 817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)

- Firmware for the following device is updated to 16.31.1014: 874253-B21 (HPE Ethernet 100Gb 1-port 842QSFP28 Adapter)

New features and changes in version 14.31.1200:

- NVconfig per Port for a Specific Finisar Module: Added a new NVconfig per Port for a specific Finisar module. This new NVconfig sets the port to work in AN mode and sets the module to No DME. This change does not affect the speed logic, only the FEC logic (FEC override). Note: If the port does not go up, switch to Force mode.

New features and changes in version 16.31.1014:

- NIC scheduling feature support has been disabled for non-privileged functions.
- Implemented a new NC-SI command `get_debug_info` to get `mstdump` via the NC-SI protocol to debug a device if the PCI link fails for any given reason.
- Added support for Enabling/Disabling NIC and RDMA (port/partition) via the UEFI HII system settings. Note: Values set in this option only take effect when is Ethernet mode.
- Increased the maximum number of MSIX per VF to 127.
- Asymmetrical MSIX Configuration: This feature allows the device to be configured with a different number of MSIX vectors per physical PCI functions. To use this feature, please follow these steps:

---

## **Online Firmware Upgrade Utility (Linux x86\_64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on Linux x86\_64 platform**

Version: 1.0.11 (Recommended)

### **Fixes**

Following issues have been fixed in firmware version 12.28.2006:

- An issue that caused the DCR to be destroyed before the retry option managed to work when the retry timeout is too big. In this case the DCR' time-to-live was increased, and the maximum retry timeout was decreased.
- Increased PHY power consumption limit to 1.5w.
- An issue that caused `PortCounters.PortRcvErr` / `PPCNT.infiniband_counters.PortRcvErr` not to report port icrc errors.

The following issues have been fixed in version 16.31.1200:

- TX PRBS was not changed even after reconfiguring it, all PRBS mode were enabled in test mode.
- An assert that was caused when trying to open 1024 functions on the device and the maximum number of functions was 1023.
- Occasional performance issues related to RC QPs using E2E-credits (not connected to SRQ and doing send/receive traffic) when the `ROCE_ACCL tx_window` was enabled.
- A fatal error occurred and eventually resulted in the HCA to get into an unresponsive state when a packet was larger than a strided receive WQE that was being scattered.
- A rare issue that caused RX pipe to hang.
- The resource number size (a 64 bit number) was overwritten with a 32 bit number and erased the high

bits when de-allocating the resource number.

- CRT\_DCR with index larger than 1 << 21 occasionally collided with the CRT\_SW\_RESERVED address.
- An issue that caused the TX queue to get into an unresponsive state when the VF rate limiter was set.

#### **Additional Fixes included in version 16.31.1200:**

- Disabled the CNP counter "rp\_cnp\_ignored " (triggered by OOS (out-of-sequence)) when all ports are IB.
- Fixed the TMP421 sensor temperature reporting.
- Fixed the rate select mechanism in QSFP modules.
- Fixed classification issues for "Passive" cables to be more robust.
- Initialized the rate table in the static configuration so it will be configured at the link-not-up scenarios.

#### **Enhancements**

- Firmware for the following devices are updated to 12.28.2006:

825110-B21 (HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter) 825111-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter)

New Feature and Changes in Version 12.28.2006:

- Increased the maximum XRQ number to 512.

- Firmware for the following devices are updated to 16.31.1200:

879482-B21 (HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter) 872726-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

New features and changes included in version 16.31.1200:

- NIC scheduling feature support has been disabled for non-privileged functions.
- Implemented a new NC-SI command get\_debug\_info to get mstdump via the NC-SI protocol to debug a device if the PCI link fails for any given reason.
- support for Enabling/Disabling NIC and RDMA (port/partition) was included via the UEFI HII system settings.
- Increased the maximum number of MSIX per VF to 127.
- Asymmetrical MSIX Configuration: This feature allows the device to be configured with a different number of MSIX vectors per physical PCI functions. To use this feature, please follow these steps:

---

#### **Online Firmware Upgrade Utility (Linux x86\_64) for HPE Mellanox VPI (Ethernet and Infiniband mode)**

##### **ConnectX6 devices on Linux x86\_64 platform**

Version: 1.0.7 (Recommended)

#### **Important Note!**

- ConnectX-6 VPI supports having one port as InfiniBand and the other port as Ethernet according to the following matrix of combinations.

Port #2 - InfiniBand

Port #1 – Ethernet	HDR/HDR100	EDR	FDR	QDR
50GbE	supported	not supported	not supported	supported
100GbE/25GbE	supported	not supported	not supported	supported
40GbE/10GbE	supported	not supported	not supported	supported

1GbE	supported	not supported	not supported	supported
------	-----------	---------------	---------------	-----------

Port #2 - Ethernet

Port #1 – InfiniBand	50GbE	100GbE/25GbE	40GbE/10GbE	1GbE
HDR / HDR100	supported	supported	not supported	supported
EDR	supported	supported	not supported	supported
FDR	not supported	not supported	not supported	not supported
QDR/SDR	supported	supported	not supported	supported

**Prerequisites**

Use iLO5 firmware version 2.30 or higher with ConnectX6 firmware version 20.27.6008. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

**Fixes**

The following issues have been fixed in version 20.31.1014:

- Occasional performance issues related to RC QPs using E2E-credits (not connected to SRQ and doing send/receive traffic) when the ROCE\_ACCL tx\_window was enabled.
- A fatal error occurred and eventually resulted in the HCA to get into an unresponsive state when a packet was larger than a strided receive WQE that was being scattered.
- A rare issue that caused RX pipe to unresponsive state.
- The resource number size (a 64 bit number) was overwritten with a 32 bit number and erased the high bits when de-allocating the resource number.
- CRT\_DCR with index larger than 1 << 21 occasionally collided with the CRT\_SW\_RESERVED address.
- An issue that caused the TX queue to get into an unresponsive state when the VF rate limiter was set.
- In InfiniBand non-virtualization system, due to a corrupted steering root, traffic fails after a warm reboot.

**Additional Fixes included in version 20.31.1014:**

- Disabled the CNP counter "rp\_cnp\_ignored" (triggered by OOS (out-of-sequence)) when all ports are IB.
- Fixed the TMP421 sensor temperature reporting.
- Fixed the rate select mechanism in QSFP modules.
- Fixed classification issues for "Passive" cables to be more robust.
- Initialized the rate table in the static configuration so it will be configured at the link-not-up scenarios.
- Improved PortXmitWait IB counter accuracy.

**Enhancements**

- Firmware for the following devices are updated to 20.31.1014:

New features and changes included in version 20.31.1014:

- NIC scheduling feature support has been disabled for non-privileged functions.
- Implemented a new NC-SI command get\_debug\_info to get mstdump via the NC-SI protocol to debug a device if the PCI link fails for any given reason.
- Updated the NC-SI speed reporting output to support 200GbE speed. Now when running the NC-SI command, the output presents 200GbE speed as well.



- support for Enabling/Disabling NIC and RDMA (port/partition) was included via the UEFI HII system settings.
- Increased the maximum number of MSIX per VF to 127.
- Asymmetrical MSIX Configuration: This feature allows the device to be configured with a different number of MSIX vectors per physical PCI functions. To use this feature, please follow these steps:

---

## **Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox Ethernet only adapters**

Version: 1.0.0.15 (Recommended)

### **Important Note!**

- The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adapters, one supporting Synergy platforms and the other supporting ProLiant and Apollo platforms. This package supports Mellanox Ethernet Only NIC adapters on ProLiant and Apollo servers.

### **Prerequisites**

Use iLO5 firmware version 2.30 or higher with ConnectX4/ConnectX5 firmware version 14.28.1002/16.28.1002 respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

### **Fixes**

#### **Fixes included in firmware version 2.42.5044 :**

- An issue that prevented the firmware from detecting a link\_down event thus preventing the IB bond interface from going to a failover mode.

The following issues have been fixed in version 14.31.1200:

- TX PRBS was not changed even after reconfiguring it, all PRBS mode were enabled in test mode.
- A fatal error occurred and eventually resulted in the HCA to get into an unresponsive state when a packet was larger than a strided receive WQE that was being scattered.
- The resource number size (a 64 bit number) was overwritten with a 32 bit number and erased the high bits when de-allocating the resource number.

#### **Additional Fixes included in version 14.31.1200:**

- Fixed the rate select mechanism in QSFP modules.
- Fixed classification issues for "Passive" cables to be more robust.
- Initialized the rate table in the static configuration so it will be configured at the link-not-up scenarios.

The following issues have been fixed in version 16.31.1014:

- TX PRBS was not changed even after reconfiguring it, all PRBS mode were enabled in test mode.
- An assert that was caused when trying to open 1024 functions on the device and the maximum number of functions was 1023.
- Occasional performance issues related to RC QPs using E2E-credits (not connected to SRQ and doing send/receive traffic) when the ROCE\_ACCL tx\_window was enabled.
- A fatal error occurred and eventually resulted in the HCA to get into an unresponsive state when a packet was larger than a strided receive WQE that was being scattered.

- A rare issue that caused RX pipe to hang.
- The resource number size (a 64 bit number) was overwritten with a 32 bit number and erased the high bits when de-allocating the resource number.
- CRT\_DCR with index larger than 1 << 21 occasionally collided with the CRT\_SW\_RESERVED address.
- An issue that caused the TX queue to get into an unresponsive state when the VF rate limiter was set.

#### **Additional Fixes included in version 16.31.1014:**

- Disabled the CNP counter "rp\_cnp\_ignored" (triggered by OOS (out-of-sequence)) when all ports are IB.
- Fixed the TMP421 sensor temperature reporting.
- Fixed the rate select mechanism in QSFP modules.
- Fixed classification issues for "Passive" cables to be more robust.
- Initialized the rate table in the static configuration so it will be configured at the link-not-up scenarios.

#### **Enhancements**

- Firmware for the following devices are updated to 2.42.5044 :  
779799-B21 (HPE Ethernet 10G 2-port 546FLR-SFP+ Adapter) 779793-B21 (HPE Ethernet 10G 2-port 546SFP+ Adapter)
- Firmware for the following devices are updated to 14.31.1200:  
817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)
- Firmware for the following devices are updated to 14.31.1200: 817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)
- Firmware for the following device is updated to 16.31.1014:  
874253-B21 (HPE Ethernet 100Gb 1-port 842QSFP28 Adapter)

New features and changes in version 14.31.1200:

- NVconfig per Port for a Specific Finisar Module: Added a new NVconfig per Port for a specific Finisar module. This new NVconfig sets the port to work in AN mode and sets the module to No DME. This change does not affect the speed logic, only the FEC logic (FEC override). Note: If the port does not go up, switch to Force mode.

New features and changes in version 16.31.1014:

- NIC scheduling feature support has been disabled for non-privileged functions.
- Implemented a new NC-SI command get\_debug\_info to get mstdump via the NC-SI protocol to debug a device if the PCI link fails for any given reason.
- Added support for Enabling/Disabling NIC and RDMA (port/partition) via the UEFI HII system settings. Note: Values set in this option only take effect when is Ethernet mode.
- Increased the maximum number of MSIX per VF to 127.
- Asymmetrical MSIX Configuration: This feature allows the device to be configured with a different number of MSIX vectors per physical PCI functions. To use this feature, please follow these steps:

---

### **Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on Windows x86\_64 platform**

Version: 1.0.0.10 (Recommended)

## **Fixes**

Following issues have been fixed in firmware version 12.28.2006:

- An issue that caused the DCR to be destroyed before the retry option managed to work when the retry timeout is too big. In this case the DCR' time-to-live was increased, and the maximum retry timeout was decreased.
- Increased PHY power consumption limit to 1.5w.
- An issue that caused PortCounters.PortRcvErr / PPCNT.infiniband\_counters.PortRcvErr not to report port icrc errors.

The following issues have been fixed in version 16.31.1200:

- TX PRBS was not changed even after reconfiguring it, all PRBS mode were enabled in test mode.
- An assert that was caused when trying to open 1024 functions on the device and the maximum number of functions was 1023.
- Occasional performance issues related to RC QPs using E2E-credits (not connected to SRQ and doing send/receive traffic) when the ROCE\_ACCL tx\_window was enabled.
- A fatal error occurred and eventually resulted in the HCA to get into an unresponsive state when a packet was larger than a strided receive WQE that was being scattered.
- A rare issue that caused RX pipe to hang.
- The resource number size (a 64 bit number) was overwritten with a 32 bit number and erased the high bits when de-allocating the resource number.
- CRT\_DCR with index larger than 1 << 21 occasionally collided with the CRT\_SW\_RESERVED address.
- An issue that caused the TX queue to get into an unresponsive state when the VF rate limiter was set.

### **Additional Fixes included in version 16.31.1200:**

- Disabled the CNP counter "rp\_cnp\_ignored " (triggered by OOS (out-of-sequence)) when all ports are IB.
- Fixed the TMP421 sensor temperature reporting.
- Fixed the rate select mechanism in QSFP modules.
- Fixed classification issues for "Passive" cables to be more robust.
- Initialized the rate table in the static configuration so it will be configured at the link-not-up scenarios.

## **Enhancements**

- Firmware for the following devices are updated to 12.28.2006:

825110-B21 (HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter) 825111-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter)

New Feature and Changes in Version 12.28.2006:

- Increased the maximum XRQ number to 512.

- Firmware for the following devices are updated to 16.31.1200:

879482-B21 (HPE InfiniBand FDR/Ethernet 40/50Gb 2-port 547FLR-QSFP Adapter) 872726-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

New features and changes included in version 16.31.1200:

- NIC scheduling feature support has been disabled for non-privileged functions.
- Implemented a new NC-SI command get\_debug\_info to get mstdump via the NC-SI protocol to debug a device if the PCI link fails for any given reason.

- support for Enabling/Disabling NIC and RDMA (port/partition) was included via the UEFI HII system settings.
- Increased the maximum number of MSIX per VF to 127.
- Asymmetrical MSIX Configuration: This feature allows the device to be configured with a different number of MSIX vectors per physical PCI functions.To use this feature, please follow these steps:

---

**Online NVMe SSD Flash Component for Linux (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives**

Version: HPK4 (F) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

**Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

**Online NVMe SSD Flash Component for Linux (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives**

Version: HPK4 (F) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

**Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

**Online NVMe SSD Flash Component for Linux (x64) - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives**

Version: HPK4 (F) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

**Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

**Online NVMe SSD Flash Component for Linux (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB and LT2000KEXVC Drives**

Version: HPK4 (F) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives**

Version: HPK3 (F) (Critical)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- This FW change resolves a MCTP VDM compliance issue seen by iLO version 2.30.
- For more information, refer to HPE Customer Advisory at the following URL:  
[https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-a00111061en\\_us](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00111061en_us)

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online NVMe SSD Flash Component for Linux (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives**

Version: HPK3 (C) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online NVMe SSD Flash Component for Linux (x64) - MO001600KWZQP and MO003200KWZQQ Drives**

Version: HPK5 (D) (Critical)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## Fixes

---

### **Online NVMe SSD Flash Component for Linux (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives**

Version: HPS1 (F) (Recommended)

#### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

#### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online NVMe SSD Flash Component for Linux (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives**

Version: EPK75H3Q (B) (Critical)

#### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## Fixes

- Fixed False UECC issue at idle power mode.
- Old FW download Blocking (EPK70H3Q~EPK74H3Q).

---

### **Online NVMe SSD Flash Component for Linux (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives**

Version: 4ICDHPK1 (B) (Critical)

#### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## Fixes

- This firmware corrects the potential for a drive to become disabled and nonfunctional during certain conditions or workloads.
- After the drive is upgraded to firmware version HPK1, it cannot be downgraded to firmware version HPK0.

#### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## Online NVMe SSD Flash Component for Linux (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives

Version: HPK3 (C) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## Online NVMe SSD Flash Component for Linux (x64) - VO001920KWZQR and VO003840KWZQT Drives

Version: HPK5 (D) (Critical)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- Optimized T-offset setting.
- Change MQES setting to 8192.
- Fixed LED Behavior misaligned specs issue.
- Fixed performance drop issue when 4+ SSD are installed.
- The Idle Power Management fix to keep the drive from entering and exiting the Lower Power Idle mode too frequently.
- For more information, refer to HPE Customer Advisory at the following URL:  
[https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-a00112800en\\_us](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00112800en_us)

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## Online NVMe SSD Flash Component for Linux (x64) - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives

Version: HPK4 (F) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives

Version: 85031G00 (Recommended)

## Fixes

Fixes for various drive reliability enhancements and code fixes accumulated since the last initial release, as well as a change to disable MCTP over PCIe VDM function to satisfy certain HPE platform environments.

---

**Online NVMe SSD Flash Component for VMware ESXi - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives**

Version: HPK4 (G) (Recommended)

## Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## Enhancements

- Added support for VMware 7.0 U3
- 

**Online NVMe SSD Flash Component for VMware ESXi - MO001600KWZQP and MO003200KWZQQ Drives**

Version: HPK5 (C) (Critical)

## Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## Fixes

**Online NVMe SSD Flash Component for VMware ESXi - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives**

Version: HPK4 (E) (Recommended)

## Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## Enhancements

- Added support for VMware 7.0 U3
- 

**Online NVMe SSD Flash Component for VMware ESXi - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives**

Version: HPS1 (F) (Recommended)

## Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..



### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online NVMe SSD Flash Component for VMware ESXi - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives**

Version: HPK3 (B) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR and VO003840KWZQT Drives**

Version: HPK5 (C) (Critical)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

---

### **Online NVMe SSD Flash Component for VMware ESXi - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives**

Version: HPK4 (E) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online NVMe SSD Flash Component for VMware ESXi - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives**

Version: HPK4 (E) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for VMware 7.0 U3

---

**Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives**

Version: HPK3 (C) (Critical)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

**Fixes**

- This FW change resolves a MCTP VDM compliance issue seen by iLO version 2.30.
- For more information, refer to HPE Customer Advisory at the following URL:  
[https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-a00111061en\\_us](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00111061en_us)

**Enhancements**

- Added support for VMware 7.0 U3

---

**Online NVMe SSD Flash Component for VMware ESXi - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives**

Version: HPK3 (B) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

**Enhancements**

- Added support for VMware 7.0 U3

---

**Online NVMe SSD Flash Component for VMware ESXi - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives**

Version: EPK75H3Q (B) (Critical)

**Fixes**

- Fixed False UECC issue at idle power mode.
- Old FW download Blocking (EPK70H3Q~EPK74H3Q).
- FW is changed off the option of TX data alignment for each lane.
- FW is changed to clear the interrupt after TLP Complete when PCIe config read operation.
- For more information, refer to HPE Customer Bulletin at the following URL:  
[https://support.hpe.com/hpesc/public/docDisplay?docId=emr\\_na-a00113342en\\_us](https://support.hpe.com/hpesc/public/docDisplay?docId=emr_na-a00113342en_us)

**Enhancements**

- Added support for VMware 7.0 U3

---

**Online NVMe SSD Flash Component for VMware ESXi - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives**

Version: 4ICDHPK1 (B) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

**Fixes**

- This firmware corrects the potential for a drive to become disabled and nonfunctional during certain conditions or workloads.
- After the drive is upgraded to firmware version HPK1, it cannot be downgraded to firmware version HPK0.

**Enhancements**

- Added support for VMware 7.0 U3

---

**Online NVMe SSD Flash Component for VMware ESXi - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives**

Version: HPK4 (E) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for VMware 7.0 U3

---

**Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWXFP and VS003840KWXFQ Drives**

Version: 85031G00 (Recommended)

**Fixes**

**Fixes for various drive reliability enhancements and code fixes accumulated since the last initial release, as well as a change to disable MCTP over PCIe VDM function to satisfy certain HPE platform environments.**

---

**Online NVMe SSD Flash Component for Windows (x64) - MK000400KWDUK, VK000480KWDUE, MK000800KWDUL, VK000960KWDUF, MK001600KWDUN and VK001920KWDUH Drives**

Version: HPK4 (D) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online NVMe SSD Flash Component for Windows (x64) - MO0400KEFHN, MO0800KEFHP, MO1600KEFHQ, MO2000KEFHR, MT0800KEXUU and MT1600KEXUV Drives**

Version: HPK4 (D) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online NVMe SSD Flash Component for Windows (x64) - MT001600KWHAC, MT003200KWHAD and MT006400KWHAE Drives**

Version: HPS1 (D) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online NVMe SSD Flash Component for Windows (x64) - VS000480KWDUP, VS000960KWDUQ, MS000400KWDUR and MS000800KWDUT Drives**

Version: HPK4 (D) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online NVMe SSD Flash Component for Windows (x64) - LO0400KEFJQ, LO0800KEFJR, LO1600KEFJT, LO2000KEFJU, LT0800KEXVA, LT1600KEXVB, and LT2000KEXVC Drives**

Version: HPK4 (D) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

### **Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives**

Version: HPK3 (C) (Critical)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- This FW change resolves a MCTP VDM compliance issue seen by iLO version 2.30.
- For more information, refer to HPE Customer Advisory at the following URL:  
[https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-a00111061en\\_us](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00111061en_us)

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online NVMe SSD Flash Component for Windows (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives**

Version: HPK3 (B) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online NVMe SSD Flash Component for Windows (x64) - MO001600KWZQP and MO003200KWZQQ Drives**

Version: HPK5 (C) (Critical)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

---

### **Online NVMe SSD Flash Component for Windows (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives**

Version: EPK75H3Q (B) (Critical)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- Fixed False UECC issue at idle power mode.
- Old FW download Blocking (EPK70H3Q~EPK74H3Q).
- FW is changed off the option of TX data alignment for each lane.
- FW is changed to clear the interrupt after TLP Complete when PCIe config read operation.
- For more information, refer to HPE Customer Bulletin at the following URL:  
[https://support.hpe.com/hpesc/public/docDisplay?docId=emr\\_na-a00113342en\\_us](https://support.hpe.com/hpesc/public/docDisplay?docId=emr_na-a00113342en_us)

### **Enhancements**

- Added support for Microsoft Windows Server 2022.  
Online NVMe SSD Flash Component for Windows (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-

---

### **Online NVMe SSD Flash Component for Windows (x64) - VO001000KWJSE, VO002000KWJSF, VO004000KWJSH, VT004000KWJSU, MO001600KWJSN and MO003200KWJSQ Drives**

Version: 4ICDHPK1 (B) (Critical)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- This firmware corrects the potential for a drive to become disabled and nonfunctional during certain conditions or workloads.
- After the drive is upgraded to firmware version HPK1, it cannot be downgraded to firmware version HPK0.

### **Enhancements**

- Added support for Microsoft Server Windows 2022

---

### **Online NVMe SSD Flash Component for Windows (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives**

Version: HPK3 (B) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR and VO003840KWZQT Drives

Version: HPK5 (C) (Critical)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- Optimized T-offset setting.
- Change MQES setting to 8192.
- Fixed LED Behavior misaligned specs issue.
- Fixed performance drop issue when 4+ SSD are installed.
- The Idle Power Management fix to keep the drive from entering and exiting the Lower Power Idle mode too frequently.
- For more information, refer to HPE Customer Advisory at the following URL:  
[https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-a00112800en\\_us](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00112800en_us)

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## Online NVMe SSD Flash Component for Windows (x64) - VO0400KEFJB, VO1200KEFJC and VO2000KEFJD Drives

Version: HPK4 (D) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives

Version: 85031G00 (B) (Recommended)

### **Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

**Online Flash for Windows x64 - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors**

Version: 0.2.2.3 (Optional)

**Prerequisites**

System ROM V1.26 or later

The "iLO 5 Channel Interface Driver" (CHIF) for Windows

**Enhancements**

Version 0.2.2.3 firmware

---

**Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors**

Version: 1.0.8 (Optional)

**Enhancements**

Version 1.0.8 firmware

---

**Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors**

Version: 1.0.8 (Optional)

**Enhancements**

Version 1.0.8 firmware

---

**ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors**

Version: 1.0.8 (Optional)

**Enhancements**

Version 1.0.8 firmware

---

**Online HDD/SSD Flash Component for Linux (x64) - EG000300JWBHR Drive**

Version: HPD5 (B) (Recommended)

**Important Note!**

---

**Online HDD/SSD Flash Component for Linux (x64) - EG000300JWFVB Drive**

Version: HPD3 (B) (Recommended)

**Important Note!**

---

**Online HDD/SSD Flash Component for Linux (x64) - EG000600JWFUV and EG001200JWFVA Drives**

Version: HPD4 (B) (Recommended)



**Important Note!**

---

**Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP and EG001200JWJNQ Drives**

Version: HPD4 (B) (Recommended)

**Important Note!**

---

**Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR and EG002400JWJNT Drives**

Version: HPD6 (B) (Recommended)

**Important Note!**

---

**Online HDD/SSD Flash Component for Linux (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives**

Version: HPD8 (B) (Recommended)

**Important Note!**

---

**Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives**

Version: HPD2 (F) (Recommended)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

**Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

**Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives**

Version: HPD4 (B) (Recommended)

**Important Note!**

---

**Online HDD/SSD Flash Component for Linux (x64) - MB004000JWFVK and MB006000JWFVL Drives**

Version: HPD4 (B) (Recommended)

### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB6000JVYZD and MB4000JVYZC Drives**

Version: HPD4 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives**

Version: HPD9 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives**

Version: HPD3 (C) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - VO000960JWBK, VO001920JWTL, VO003840JWBN, VO007680JWBP, MO000400JWBQ, MO000800JWBR, MO001600JWBT, MO003200JWBU, MO006400JWTC, EO000400JWBV, EO000800JWTC and EO001600JWTCB Drives**

Version: HPD9 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives**

Version: HPD7 (D) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- The issue affects SSDs with an HPE firmware version prior to HPD7 that results in SSD failure at 40,000 hours of operation (i.e., 4 years, 205 days 16 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.
- In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.

## **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## **Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK**

### **Drives**

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## **Online HDD/SSD Flash Component for Linux (x64) - EG001800JWFVC Drive**

Version: HPD4 (B) (Recommended)

### **Important Note!**

---

## **Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNL and EG002400JWJNN Drives**

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

**Online HDD/SSD Flash Component for Linux (x64) - EG0300FCSPH, EG0450FCSPK, EG0600FCSPL and EG0900FCSPN Drives**

Version: HPD2 (H) (Recommended)

**Important Note!**

---

**Online HDD/SSD Flash Component for Linux (x64) - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB and EG1200JEHMC Drives**

Version: HPD5 (I) (Recommended)

**Important Note!**

---

**Online HDD/SSD Flash Component for Linux (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives**

Version: HPD6 (I) (Recommended)

**Important Note!**

---

**Online HDD/SSD Flash Component for Linux (x64) - EG1800JEHMD Drive**

Version: HPD6 (I) (Recommended)

**Important Note!**

---

**Online HDD/SSD Flash Component for Linux (x64) - EG1800JEMDB Drive**

Version: HPD5 (H) (Recommended)

**Important Note!**

---

**Online HDD/SSD Flash Component for Linux (x64) - EG1800JFHMH Drive**

Version: HPD8 (B) (Recommended)

**Important Note!**

---

**Online HDD/SSD Flash Component for Linux (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives**

Version: HPD7 (B) (Recommended)

**Important Note!**

---

**Online HDD/SSD Flash Component for Linux (x64) - EH000600JWCPF and EH000900JWCPH Drives**

Version: HPD9 (B) (Recommended)

### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPK and EH000600JWHPH Drives**

Version: HPD7 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

#### **Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives**

Version: HPD7 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

#### **Online HDD/SSD Flash Component for Linux (x64) - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives**

Version: HPD5 (H) (Recommended)

### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives**

Version: HPD6 (I) (Recommended)

### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives**

Version: HPD4 (I) (Recommended)

### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - EH0600JDYTN Drive**

Version: HPD7 (H) (Critical)

### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB004000JWKGU Drive**

Version: HPD2 (B) (Recommended)

### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives**

Version: HPD6 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB006000JWKGU Drive**

Version: HPD2 (B) (Recommended)

### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB008000JWJRQ and MB006000JWJRP Drives**

Version: HPD9 (B) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in ZerMemory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

#### **Fixes**

- This firmware release provides additional protection against command timeouts.
- For more information, refer to HPE Customer Bulletin at the following URL:  
[https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-a00117258en\\_us](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00117258en_us)

#### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB008000JWRD Drive**

Version: HPD2 (B) (Recommended)

#### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives**

Version: HPD6 (B) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

#### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB010000JWAYK and MB008000JWAYH Drives**

Version: HPD6 (B) (Recommended)

#### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB012000JWDFD Drive**

Version: HPD3 (B) (Recommended)



### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives**

Version: HPD2 (F) (Recommended)

### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB014000JWUDB Drive**

Version: HPD3 (B) (Recommended)

### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives**

Version: HPD3 (F) (Recommended)

### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB2000JFDSL and MB4000JFDSN Drives**

Version: HPD4 (H) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB2000JFEML and MB4000JFEMN Drives**

Version: HPD6 (H) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was found during supplier ongoing reliability testing.
- The firmware also includes emergency power off improvements.

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## **Online HDD/SSD Flash Component for Linux (x64) - MB2000JFEPA and MB4000JFEPB Drives**

Version: HPD5 (H) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## **Online HDD/SSD Flash Component for Linux (x64) - MB4000JEFNC and MB6000JEFND Drives**

Version: HPD9 (H) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## **Online HDD/SSD Flash Component for Linux (x64) - MB4000JEQNL and MB6000JEQNN Drives**

Version: HPDB (H) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - MB4000JEXYA and MB6000JEXYB Drives**

Version: HPD9 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - MB6000JEQUV and MB8000JEQVA Drives**

Version: HPDB (H) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## Online HDD/SSD Flash Component for Linux (x64) - MB6000JVYYV Drive

Version: HPD2 (H) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## Online HDD/SSD Flash Component for Linux (x64) - MB8000JFECQ Drive

Version: HPD7 (G) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## Online HDD/SSD Flash Component for Linux (x64) - MM1000JFJTH and MM002000JWCNF Drives

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## Enhancements

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFVN, MO000800JFWFP, MO001600JFWQ, MO003200JFWFR, MO000960JFWFT, MO001920JFWU and MO003840JFWV Drives**

Version: HPD5 (E) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## Enhancements

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JFPB, MO1600JFPC, EO0200JFPD, EO0400JFPE and EO0800JFPF Drives**

Version: HPD3 (H) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## Enhancements

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives**

Version: HPD9 (D) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives**

Version: HPD8 (E) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- The issue affects SSDs with an HPE firmware version prior to HPD8 that results in SSD failure at 32,768 hours of operation (i.e., 3 years, 270 days 8 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.
- In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.
- For more information, refer to HPE Customer Advisory at the following URL:  
[https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-a00092491en\\_us](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00092491en_us)

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives**

Version: HPD8 (D) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- The issue affects SSDs with an HPE firmware version prior to HPD8 that results in SSD failure at 32,768 hours of operation (i.e., 3 years, 270 days 8 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.
- In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.
- For more information, refer to HPE Customer Advisory at the following URL:  
[https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-a00092491en\\_us](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00092491en_us)

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

## **Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives**

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

## **Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives**

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives**

Version: HPD6 (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

### **Fixes**

- Reduced the occurrence probability of PMIC busy issue.
- Fixed the system data error at the drive power on issue.
- When the PLP operation starts, the waiting Unmap request to the 4KB not-aligned host write area is canceled to be able to complete PLP correctly.

---

### **Online HDD/SSD Flash Component for Linux (x64) - VO007680JWCNK and VO015300JWCNL Drives**

Version: HPD8 (D) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- The issue affects SSDs with an HPE firmware version prior to HPD8 that results in SSD failure at 32,768 hours of operation (i.e., 3 years, 270 days 8 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.
- In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.
- For more information, refer to HPE Customer Advisory at the following URL:[https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-a00092491en\\_us](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00092491en_us)



## **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## **Online HDD/SSD Flash Component for Linux (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives**

Version: HPD9 (D) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## **Online HDD/SSD Flash Component for Linux (x64) - VO1920JEUQQ Drive**

Version: HPD3 (H) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## **Online HDD/SSD Flash Component for VMware ESXi - EG000300JWBHR Drive**

Version: HPD5 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

#### **Enhancements**

- Added support for VMware 7.0 U3

---

#### **Online HDD/SSD Flash Component for VMware ESXi - EG000300JWFVB Drive**

Version: HPD3 (B) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

#### **Enhancements**

- Added support for VMware 7.0 U3

---

#### **Online HDD/SSD Flash Component for VMware ESXi - EG000600JWFUV and EG001200JWFVA Drives**

Version: HPD4 (B) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

#### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP and EG001200JWJNQ Drives

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR and EG002400JWJNT Drives

Version: HPD6 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives

Version: HPD8 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPK and EH000600JWHPH Drives**

Version: HPD7 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives**

Version: HPD7 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - EH0600JDYTN Drive

Version: HPD7 (H) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- Fixes a data integrity risk where stale data is mistakenly used from cache.
- Fixes a data integrity risk where stale data is returned on an unaligned overlapped write-read operation.
- Fixes a data integrity risk during a sequential read and write workload when a recovered error is encountered, which could cause incomplete data to be read.

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives

Version: HPD2 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCCK, EO001600PXDCCH, MO000800PXDBP, MO001600PXDCCK, MO003200PXDCD, MO006400PXDCCE,

---

## Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - MB004000JWFK and MB006000JWFVL Drives

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - MB012000JWDFD Drive

Version: HPD3 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - MB2000JFEML and MB4000JFEMN Drives**

Version: HPD6 (I) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was found during supplier ongoing reliability testing.
- The firmware also includes emergency power off improvements.

### **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - MB4000JEQNL and MB6000JEQNN Drives**

Version: HPDB (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - MB6000JEQUV and MB8000JEQVA Drives**

Version: HPDB (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - MB6000JVYZD and MB4000JVYZC Drives**

Version: HPD4 (G) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives**

Version: HPD9 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported



for these configurations.

- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

#### **Enhancements**

- Added support for VMware 7.0 U3

---

#### **Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH and MM002000JWCNF Drives**

Version: HPD4 (B) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

#### **Enhancements**

- Added support for VMware 7.0 U3

---

#### **Online HDD/SSD Flash Component for VMware ESXi - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives**

Version: HPD3 (C) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc..

### **Enhancements**

- o Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - VO000960JWBK, VO001920JWTBL, VO003840JWBN, VO007680JWBTP, MO000400JWBQ, MO000800JWBTR, MO001600JWBTT, MO003200JWBTU, MO006400JWBTC, EO000400JWBV, EO000800JWTC, EO001600JWTCB Drives**

Version: HPD9 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives**

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - EG001800JWFVC Drive

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drives

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - EG0300FCSPH, EG0450FCSPK, EG0600FC SPL and EG0900FCSPN Drives

Version: HPD2 (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB, and EG1200JEHMC Drives**

Version: HPD5 (J) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives**

Version: HPD6 (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - EG1800JEHMD Drive**

Version: HPD6 (J) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - EG1800JEMDB Drive**

Version: HPD5 (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - EG1800JFHMH Drive**

Version: HPD8 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives**

Version: HPD7 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - EH000600JWCPF and EH000900JWCPH Drives**

Version: HPD9 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives**

Version: HPD5 (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives**

Version: HPD6 (J) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives**

Version: HPD4 (J) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives**

Version: HPD7 (D) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- The issue affects SSDs with an HPE firmware version prior to HPD7 that results in SSD failure at 40,000 hours of operation (i.e., 4 years, 205 days 16 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.
- In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB004000JWKGU Drive**

Version: HPD2 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)



mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives**

Version: HPD6 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB006000JWKGN Drive**

Version: HPD2 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - MB008000JWJRQ and MB006000JWJRP Drives**

Version: HPD9 (B) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- This firmware release provides additional protection against command timeouts.
- For more information, refer to HPE Customer Bulletin at the following URL:  
[https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-a00117258en\\_us](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00117258en_us)

### **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - MB008000JWRTD Drive**

Version: HPD2 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives

Version: HPD6 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - MB010000JWAYK and MB008000JWAYH Drives

Version: HPD6 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - MB014000JWUDB Drive

Version: HPD3 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives**

Version: HPD3 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB2000JFDSL and MB4000JFDSN Drives**

Version: HPD4 (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - MB2000JFEPA and MB4000JFEPB Drives

Version: HPD5 (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - MB4000JEFNC and MB6000JEFND Drives

Version: HPD9 (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - MB4000JEXYA and MB6000JEXYB Drives

Version: HPD9 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

#### **Enhancements**

- Added support for VMware 7.0 U3

---

#### **Online HDD/SSD Flash Component for VMware ESXi - MB6000JVYV Drive**

Version: HPD2 (I) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

#### **Enhancements**

- Added support for VMware 7.0 U3

---

#### **Online HDD/SSD Flash Component for VMware ESXi - MB8000JFECQ Drive**

Version: HPD7 (H) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

#### **Enhancements**

- Added support for VMware 7.0 U3

---

**Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFVN, MO000800JWFVP, MO001600JFWVQ, MO003200JWFVR, MO000960JWFVT, MO001920JFWVU and MO003840JFWVW Drives**

Version: HPD5 (F) (Recommended)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

**Enhancements**

- Added support for VMware 7.0 U3

---

**Online HDD/SSD Flash Component for VMware ESXi - MO0200JEFNV, MO0400JEFPA, MO0800JEFPB, MO1600JEFPC, EO0200JEFPD, EO0400JEFPE and EO0800JEFPF Drives**

Version: HPD3 (I) (Recommended)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

**Enhancements**

- Added support for VMware 7.0 U3

---

**Online HDD/SSD Flash Component for VMware ESXi - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives**

Version: HPD9 (D) (Recommended)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives**

Version: HPD8 (E) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- The issue affects SSDs with an HPE firmware version prior to HPD8 that results in SSD failure at 32,768 hours of operation (i.e., 3 years, 270 days 8 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.
- In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.
- For more information, refer to HPE Customer Advisory at the following URL:  
[https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-a00092491en\\_us](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00092491en_us)

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives**

Version: HPD8 (G) (Critical)



### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- The issue affects SSDs with an HPE firmware version prior to HPD8 that results in SSD failure at 32,768 hours of operation (i.e., 3 years, 270 days 8 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.
- In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.
- For more information, refer to HPE Customer Advisory at the following URL:  
[https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-a00092491en\\_us](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00092491en_us)

### **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives**

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

**Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives**

Version: HPD4 (B) (Recommended)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for VMware 7.0 U3

---

**Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives**

Version: HPD6 (Critical)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

**Fixes**

- Reduced the occurrence probability of PMIC busy issue.
- Fixed the system data error at the drive power on issue.
- When the PLP operation starts, the waiting Unmap request to the 4KB not-aligned host write area is canceled to be able to complete PLP correctly.

---

**Online HDD/SSD Flash Component for VMware ESXi - VO007680JWCNK and VO015300JWCNL Drives**

Version: HPD8 (E) (Critical)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported

for these configurations.

- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- The issue affects SSDs with an HPE firmware version prior to HPD8 that results in SSD failure at 32,768 hours of operation (i.e., 3 years, 270 days 8 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.
- In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.
- For more information, refer to HPE Customer Advisory at the following URL:[https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-a00092491en\\_us](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00092491en_us)

### **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives**

Version: HPD9 (D) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - VO1920JEUQQ Drive**

Version: HPD3 (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported

for these configurations.

- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives**

Version: HPD2 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for Windows (x64) - EG000300JWBHR Drive**

Version: HPD5 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

## Online HDD/SSD Flash Component for Windows (x64) - EG000300JWFVB Drive

Version: HPD3 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

## Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

## Online HDD/SSD Flash Component for Windows (x64) - EG000600JWFUV and EG001200JWFVA Drives

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP and EG001200JWJNQ Drives**

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - EG001800JWFVC Drive**

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives**

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an

offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR and EG002400JWJNT Drives**

Version: HPD6 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - EG0300FCSPH, EG0450FCSPK, EG0600FC SPL and EG0900FCSPN Drives**

Version: HPD2 (G) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - EG0300JEHLV, EG0600JEHMA, EG0900JEHMB and EG1200JEHMC Drives**

Version: HPD5 (H) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB and EG1200JEMDA Drives**

Version: HPD6 (G) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives**

Version: HPD8 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.



---

## Online HDD/SSD Flash Component for Windows (x64) - EG1800JEHMD Drive

Version: HPD6 (H) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## Online HDD/SSD Flash Component for Windows (x64) - EG1800JEMDB Drive

Version: HPD5 (G) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## Online HDD/SSD Flash Component for Windows (x64) - EG1800JFHMH Drive

Version: HPD8 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL and EH000900JWCPN Drives**

Version: HPD7 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - EH000600JWCPF and EH000900JWCPH Drives**

Version: HPD9 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPK and EH000600JWHPH Drives**

Version: HPD7 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added supported for Microsoft Windows Server 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives**

Version: HPD7 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - EH0300JDXBA, EH0450JDXBB and EH0600JDXBC Drives**

Version: HPD5 (G) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

**Online HDD/SSD Flash Component for Windows (x64) - EH0300JDYTH, EH0450JDYTK and EH0600JDYTL Drives**

Version: HPD6 (H) (Recommended)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

**Enhancements**

- Added support for Microsoft Windows Server 2022.

---

**Online HDD/SSD Flash Component for Windows (x64) - EH0300JEDHC, EH0450JEDHD and EH0600JEDHE Drives**

Version: HPD4 (I) (Recommended)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

**Enhancements**

- Added support for Microsoft Windows Server 2022.

---

**Online HDD/SSD Flash Component for Windows (x64) - EH0600JDYTN Drive**

Version: HPD7 (F) (Critical)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## Fixes

o Fixes a data integrity risk where stale data is mistakenly used from cache.

o Fixes a data integrity risk where stale data is returned on an unaligned overlapped write-read operation.

o Fixes a data integrity risk during a sequential read and write workload when a recovered error is encountered, which could cause incomplete data to be read.

## Enhancements

- Added support for Microsoft Windows Server 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives**

Version: HPD7 (D) (Critical)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## Fixes

- The issue affects SSDs with an HPE firmware version prior to HPD7 that results in SSD failure at 40,000 hours of operation (i.e., 4 years, 205 days 16 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.
- In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.

## Enhancements

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives**

Version: HPD2 (E) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an

offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives**

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB004000JWFVK and MB006000JWFVL Drives**

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB004000JWKGU Drive**

Version: HPD2 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

#### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

#### **Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB, MB002000JWWQA and MB001000JWWPV Drives**

Version: HPD6 (B) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

#### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

#### **Online HDD/SSD Flash Component for Windows (x64) - MB006000JWKGN Drive**

Version: HPD2 (B) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

#### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

## Online HDD/SSD Flash Component for Windows (x64) - MB008000JWJRQ and MB006000JWJRP Drives

Version: HPD9 (B) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- This firmware release provides additional protection against command timeouts.
- For more information, refer to HPE Customer Bulletin at the following URL:  
[https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-a00117258en\\_us](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00117258en_us)

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

## Online HDD/SSD Flash Component for Windows (x64) - MB008000JWRTD Drive

Version: HPD2 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives

Version: HPD6 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.



- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB010000JWAYK and MB008000JWAYH Drives**

Version: HPD6 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB012000JWDFD Drive**

Version: HPD3 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives**

Version: HPD2 (E) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB014000JWUDB Drive**

Version: HPD3 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP and MB4000JVYZQ Drives**

Version: HPD3 (E) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MB2000JFDSL and MB4000JFDSN Drives**

Version: HPD4 (G) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MB2000JFEML and MB4000JFEMN Drives**

Version: HPD6 (G) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was found during supplier ongoing reliability testing.
- The firmware also includes emergency power off improvements.

## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MB2000JFEPA and MB4000JFEPB Drives**

Version: HPD5 (G) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB4000JEFNC and MB6000JEFND Drives**

Version: HPD9 (G) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB4000JEQNL and MB6000JEQNN Drives**

Version: HPDB (G) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## Online HDD/SSD Flash Component for Windows (x64) - MB4000JEXYA and MB6000JEXYB Drives

Version: HPD9 (E) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## Online HDD/SSD Flash Component for Windows (x64) - MB6000JEUUV and MB8000JEUVA Drives

Version: HPDB (G) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## Online HDD/SSD Flash Component for Windows (x64) - MB6000JVYYV Drive

Version: HPD2 (G) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MB6000JVYZD and MB4000JVYZC Drives**

Version: HPD4 (E) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MB8000JFECQ Drive**

Version: HPD7 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives**

Version: HPD9 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH and MM002000JWCNF Drives**

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFVN, MO000800JWFVP, MO001600JWFVQ, MO003200JWFVR, MO000960JWFVT, MO001920JWFVU and MO003840JWFVW Drives**

Version: HPD5 (E) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MO000400JWUFT, MO000800JWUFU, MO001600JWUFV, MO003200JWUGA, MO006400JWUGB, EO000400JWUGC, EO000800JWUGD and EO001600JWUGE Drives**

Version: HPD3 (C) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MO0200JEFNV, MO0400JEFPA, MO0800JFPB, MO1600JFPC, EO0200JFPD, EO0400JEFPE and EO0800JFPF Drives**

Version: HPD3 (G) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MO0400JFFCF, MO0800JFFCH, MO1600JFFCK and MO3200JFFCL Drives**

Version: HPD9 (D) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..



## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives**

Version: HPD8 (D) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- The issue affects SSDs with an HPE firmware version prior to HPD8 that results in SSD failure at 32,768 hours of operation (i.e., 3 years, 270 days 8 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.
- In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.
- For more information, refer to HPE Customer Advisory at the following URL:  
[https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-a00092491en\\_us](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00092491en_us)

## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - VO000480JWDAR, VO000960JWDAT, VO001920JWDAU and VO003840JWDAV Drives**

Version: HPD8 (D) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- The issue affects SSDs with an HPE firmware version prior to HPD8 that results in SSD failure at 32,768

hours of operation (i.e., 3 years, 270 days 8 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.

- In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.
- For more information, refer to HPE Customer Advisory at the following URL:  
[https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-a00092491en\\_us](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00092491en_us)

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives**

Version: HPD4 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTL, VO003840JWTLN, VO007680JWTLBP, MO000400JWTLBQ, MO000800JWTLBR, MO001600JWTLBT, MO003200JWTLBU, MO006400JWTLCD, EO000400JWTLBV, EO000800JWTLCA and EO001600JWTLCB Drives**

Version: HPD9 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

**Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives**

Version: HPD4 (B) (Recommended)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

**Enhancements**

- Added support for Microsoft Server Windows 2022.

---

**Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives**

Version: HPD6 (Critical)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

**Fixes**

- Reduced the occurrence probability of PMIC busy issue.
- Fixed the system data error at the drive power on issue.
- When the PLP operation starts, the waiting Unmap request to the 4KB not-aligned host write area is canceled to be able to complete PLP correctly.

---

**Online HDD/SSD Flash Component for Windows (x64) - VO007680JWCNK and VO015300JWCNL Drives**

Version: HPD8 (D) (Critical)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an

offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Fixes**

- The issue affects SSDs with an HPE firmware version prior to HPD8 that results in SSD failure at 32,768 hours of operation (i.e., 3 years, 270 days 8 hours), neither the SSD nor the data can be recovered, after the SSD failure occurs.
- In addition, SSDs which were put into service at the same time will likely fail nearly simultaneously.
- For more information, refer to HPE Customer Advisory at the following URL:  
[https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-a00092491en\\_us](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00092491en_us)

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - VO0480JFDGT, VO0960JFDGU, VO1920JFDGV and VO3840JFDHA Drives**

Version: HPD9 (D) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - VO1920JEUQQ Drive**

Version: HPD3 (G) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Linux (x64) - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives**

Version: HPG3 (G) (Recommended)

### **Important Note!**

---

### **Online HDD/SSD Flash Component for Linux (x64) - MB001000GWCBC and MB002000GWCBD Drives**

Version: HPG6 (F) (Recommended)

### **Important Note!**

---

### **Online HDD/SSD Flash Component for Linux (x64) - MB001000GFWFK and MB002000GFWFL Drives**

Version: HPG6 (E) (Recommended)

### **Important Note!**

---

### **Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives**

Version: HPG1 (F) (Recommended)

### **Important Note!**

---

### **Online HDD/SSD Flash Component for Linux (x64) - MB002000GWFGH and MB001000GWFGF Drives**

Version: HPG3 (H) (Optional)

### **Important Note!**

---

### **Online HDD/SSD Flash Component for Linux (x64) - MB004000GWKGV Drive**

Version: HPG1 (E) (Recommended)

### **Important Note!**

---

### **Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives**

Version: HPG3 (C) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

#### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB006000GWBXQ and MB008000GWBYL Drives**

Version: HPG8 (F) (Recommended)

#### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB006000GWJRR and MB008000GWJRT Drives**

Version: HPG4 (D) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

#### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB006000GWKGR Drive**

Version: HPG1 (E) (Recommended)

#### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB008000GWRTC Drive**

Version: HPG1 (E) (Recommended)

#### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB008000GWWQU and MB006000GWWQT Drives**

Version: HPG2 (D) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - MB010000GWAYN and MB008000GWAYL Drives**

Version: HPG5 (G) (Critical)

### **Important Note!**

---

### **Online HDD/SSD Flash Component for Linux (x64) - MB012000GWDFE Drive**

Version: HPG3 (B) (Recommended)

### **Important Note!**

---

### **Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFE Drives**

Version: HPG7 (C) (Recommended)

### **Important Note!**

---

### **Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives**

Version: HPG2 (F) (Recommended)

### **Important Note!**

---

### **Online HDD/SSD Flash Component for Linux (x64) - MB014000GWUDA Drive**

Version: HPG2 (E) (Recommended)

### **Important Note!**

---

### **Online HDD/SSD Flash Component for Linux (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives**

Version: HPG4 (J) (Recommended)

### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives**

Version: HPG4 (J) (Recommended)

### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB2000GCWLT, MB3000GCWLU and MB4000GCWLW Drives**

Version: HPG4 (J) (Recommended)

### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB2000GFEMH and MB4000GFEMK Drives**

Version: HPG6 (I) (Critical)

### **Important Note!**

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB4000GEFNA and MB6000GEFNB Drives**

Version: HPG6 (J) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

#### **Online HDD/SSD Flash Component for Linux (x64) - MB4000GEQNH and MB6000GEQNK Drives**

Version: HPG6 (I) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.



- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was found during supplier ongoing reliability testing.
- The firmware also corrects settings preservation after a code download, and includes emergency power off improvements.

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## **Online HDD/SSD Flash Component for Linux (x64) - MB6000GEBTP Drive**

Version: HPG4 (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## **Online HDD/SSD Flash Component for Linux (x64) - MB6000GEQUT and MB8000GEQUU Drives**

Version: HPGB (I) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was only found during supplier ongoing reliability testing.

## **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## **Online HDD/SSD Flash Component for Linux (x64) - MB6000GEXXV Drive**

Version: HPG2 (J) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## **Online HDD/SSD Flash Component for Linux (x64) - MB6000GVYYU Drive**

Version: HPG2 (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## **Online HDD/SSD Flash Component for Linux (x64) - MB6000GVYZB and MB4000GVYZA Drives**

Version: HPG4 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - MB8000GFECR Drive**

Version: HPG6 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFB and MK001920GWCFB Drives**

Version: HPG3 (G) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSS and MK003840GWSSF Drives**

Version: HPG3 (C) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## **Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives**

Version: HPG2 (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

### **Fixes**

- This FW release deploys an Enhanced Media Scan algorithm that addresses an issue when the host system does not provide enough idle time for drive's Foreground Media Scan to be activated, which is needed to ensure long term drive reliability. It also addresses few minor issues.

---

## **Online HDD/SSD Flash Component for Linux (x64) - MK003840GWHITE Drive**

Version: HPG8 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## Online HDD/SSD Flash Component for Linux (x64) - MK0960GECQK Drive

Version: HPG3 (K) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- Firmware fixes intermittent data corruption issue associated with unaligned sequential write operations.

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## Online HDD/SSD Flash Component for Linux (x64) - MM1000GEFQV and MM2000GEFRA Drives

Version: HPG8 (H) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## Online HDD/SSD Flash Component for Linux (x64) - MM1000GFJTE Drive

Version: HPG5 (F) (Optional)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives**

Version: HPGG (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives**

Version: HPG1 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- o Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFF, VK001920GWCFH and VK003840GWCFK Drives**

Version: HPG3 (G) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives**

Version: HPGG (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives**

Version: HPG5 (F) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## Fixes

### **o Fixes a rare link loss issue and adds enhancements for drive reliability.**

- After HPG5 firmware is downloaded to the drive, the new HPG5 firmware will be active on the drive.
- The new drive bootloader code will be activated after the next drive power cycle.
- For more information, refer to HPE Customer Advisory at the following URL:  
[https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-a00072768en\\_us](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00072768en_us)

## Enhancements

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives**

Version: HPG4 (C) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## Enhancements

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTT, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives**

Version: HPG6 (C) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## Enhancements

- Added support for RHEL 8.4 and SLES15SP3.



---

**Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives**

Version: HPG3 (B) (Recommended)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc...

**Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

**Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWT HB, VK001920GWT HC and VK003840GWT HD Drives**

Version: HPG3 (B) (Recommended)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

**Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

**Online HDD/SSD Flash Component for Linux (x64) - VK003840GWSXL Drive**

Version: HPG3 (B) (Recommended)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- o Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - VK007680GWSXN Drive**

Version: HPG3 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives**

Version: HPG1 (J) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

### **Online HDD/SSD Flash Component for Linux (x64) - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives**

Version: HPG1 (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## **Online HDD/SSD Flash Component for Linux (x64) - VR000150GWEPP and VR000480GWEPR Drives**

Version: HPG1 (G) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

#### **o Fixes an issue which caused the drive to become non-functional.**

#### **o Fixes VPD Log D0h reported drive Sanitize times.**

- Adds support for Security Log Page BBh.

### **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## **Online HDD/SSD Flash Component for Linux (x64) - XP0120GFJSL and XP0240GFJSN Drives**

Version: HPS4 (J) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for RHEL 8.4 and SLES15SP3.

---

## **Online HDD/SSD Flash Component for VMware ESXi - EK000200GWEPD, EK000400GWEPE, EK000800GWEPF and EK001600GWEPH Drives**

Version: HPG3 (G) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - MB001000GWCBC and MB002000GWCBD Drives**

Version: HPG6 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - MB001000GFWFK and MB002000GFWFL Drives**

Version: HPG6 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM)

mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.

- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives**

Version: HPG1 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB002000GWFGH and MB001000GWFGF Drives**

Version: HPG3 (H) (Optional)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB004000GWKGV Drive**

Version: HPG1 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives**

Version: HPG3 (C) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB006000GWBXQ and MB008000GWBYL Drives**

Version: HPG8 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB006000GWJRR and MB008000GWJRT Drives**

Version: HPG4 (D) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB006000GWKGR Drive**

Version: HPG1 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an

offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3
- 

### **Online HDD/SSD Flash Component for VMware ESXi - MB008000GWRTC Drive**

Version: HPG1 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3
- 

### **Online HDD/SSD Flash Component for VMware ESXi - MB008000GWWQU and MB006000GWWQT Drives**

Version: HPG2 (D) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3
- 

### **Online HDD/SSD Flash Component for VMware ESXi - MB010000GWAYN and MB008000GWAYL Drives**

Version: HPG5 (G) (Critical)



### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- This code corrects a potential data integrity issue related to unaligned write commands. This issue was only found in supplier ongoing lab testing.

### **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - MB012000GWDFE Drive**

Version: HPG3 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFE Drives**

Version: HPG7 (C) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives**

Version: HPG2 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB014000GWUDA Drive**

Version: HPG2 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives

Version: HPG4 (K) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives

Version: HPG4 (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - MB2000GCWLT, MB3000GCWLU and MB4000GCWLW Drives

Version: HPG4 (K) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported

for these configurations.

- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB2000GFEMH and MB4000GFEMK Drives**

Version: HPG6 (I) (Critical)

### **Fixes**

- Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was found during supplier ongoing reliability testing.
- The firmware also corrects settings preservation after a code download, and includes emergency power off improvements.
- Online firmware update fails when drives are connected behind AHCI controller.

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB4000GEFNA and MB6000GEFNB Drives**

Version: HPG6 (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB4000GEQNH and MB6000GEQNK Drives**

Version: HPGB (I) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was found during supplier ongoing reliability testing.
- The firmware also corrects settings preservation after a code download, and includes emergency power off improvements.

### **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - MB6000GEBTP Drive**

Version: HPG4 (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - MB6000GEQUT and MB8000GEQUU Drives**

Version: HPGB (I) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported

for these configurations.

- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

#### **Fixes**

- Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was only found during supplier ongoing reliability testing.
- Online firmware update fails when drives are connected behind AHCI controller.

#### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB6000GEXXV Drive**

Version: HPG2 (K) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

#### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB6000GVYYU Drive**

Version: HPG2 (I) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB6000GVYZB and MB4000GVYZA Drives**

Version: HPG4 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MB8000GFECR Drive**

Version: HPG6 (G) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

**Online HDD/SSD Flash Component for VMware ESXi - MK000240GWCEU, MK000480GWCEV,  
MK000960GWCF A and MK001920GWCFB Drives**

Version: HPG3 (G) (Recommended)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

**Enhancements**

- Added support for VMware 7.0 U3

---

**Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD,  
MK001920GWSSE and MK003840GWSSF Drives**

Version: HPG3 (C) (Recommended)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

**Enhancements**

- Added support for VMware 7.0 U3

---

**Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH,  
MK001920GWXFK and MK003840GWXFL Drives**

Version: HPG2 (Recommended)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported



for these configurations.

- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

### **Fixes**

- This FW release deploys an Enhanced Media Scan algorithm that addresses an issue when the host system does not provide enough idle time for drive's Foreground Media Scan to be activated, which is needed to ensure long term drive reliability. It also addresses few minor issues.

---

### **Online HDD/SSD Flash Component for VMware ESXi - MK003840GWHTe Drive**

Version: HPG8 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - MK0960GECQK Drive**

Version: HPG3 (L) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Fixes**

- Firmware fixes intermittent data corruption issue associated with unaligned sequential write operations.

## **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - MM1000GEFQV and MM2000GEFRA Drives**

Version: HPG8 (H) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - MM1000GFJTE Drive**

Version: HPG5 (F) (Optional)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives**

Version: HPGG (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives**

Version: HPG1 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - VK000240GWCFD, VK000480GWCFE, VK000960GWCFE, VK001920GWCFH and VK003840GWCFK Drives.**

Version: HPG3 (G) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives**

Version: HPGG (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPPQ Drives**

Version: HPG5 (F) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## Fixes

### **o Fixes a rare link loss issue and adds enhancements for drive reliability.**

- After HPG5 firmware is downloaded to the drive, the new HPG5 firmware will be active on the drive.
- The new drive bootloader code will be activated after the next drive power cycle.
- For more information, refer to HPE Customer Advisory at the following URL:  
[https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-a00072768en\\_us](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00072768en_us)

## Enhancements

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives**

Version: HPG4 (C) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## Enhancements

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTTK, MK001920GWTTTL and MK003840GWTTTN Drives**

Version: HPG6 (C) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives**

Version: HPG3 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives**

Version: HPG3 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - VK003840GWSXL Drive

Version: HPG3 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - VK007680GWSXN Drive

Version: HPG3 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

## Online HDD/SSD Flash Component for VMware ESXi - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL, and VK3840GFDKN Drives

Version: HPG1 (J) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives**

Version: HPG1 (J) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for VMware 7.0 U3

---

### **Online HDD/SSD Flash Component for VMware ESXi - VR000150GWEPP and VR000480GWEPR Drives**

Version: HPG1 (G) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.



## **Fixes**

- Fixes a timing issue which can cause the drive to become non-functional.
- Fixes VPD Log D0h reported drive Sanitize times.
- Adds support for Security Log Page BBh.

## **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for VMware ESXi - XP0120GFJSL and XP0240GFJSN Drives**

Version: HPS4 (J) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- In AHCI configuration only offline flashing is supported.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for VMware 7.0 U3

---

## **Online HDD/SSD Flash Component for Windows (x64) - EK000200GWEPPD, EK000400GWEPE, EK000800GWEPPF and EK001600GWEPPH Drives**

Version: HPG3 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MB001000GWCBC and MB002000GWCBD Drives**

Version: HPG6 (E) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB001000GFWFK and MB002000GFWFL Drives**

Version: HPG6 (E) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GFWFA and MB004000GFWFB Drives**

Version: HPG1 (E) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

## Online HDD/SSD Flash Component for Windows (x64) - MB002000GWFGH and MB001000GWFGF Drives

Version: HPG3 (G) (Optional)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc...

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

## Online HDD/SSD Flash Component for Windows (x64) - MB004000GWKGV Drive

Version: HPG1 (E) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

## Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives

Version: HPG3 (C) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB006000GWBXQ and MB008000GWBYL Drives**

Version: HPG8 (E) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB006000GWJRR and MB008000GWJRT Drives**

Version: HPG4 (D) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB006000GWKGR Drive**

Version: HPG1 (E) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB008000GWRTC Drive**

Version: HPG1 (E) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB008000GWWQU and MB006000GWWQT Drives**

Version: HPG2 (D) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB010000GWAYN and MB008000GWAYL Drives**

Version: HPG5 (F) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- This code corrects a potential data integrity issue related to unaligned write commands. This issue was only found in supplier ongoing lab testing.

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MB012000GWDFE Drive**

Version: HPG3 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFE Drives**

Version: HPG7 (C) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives**

Version: HPG2 (E) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MB014000GWUDA Drive**

Version: HPG3 (E) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MB1000GDUNU, MB2000GDUNV, MB3000GDUPA and MB4000GDUPB Drives**

Version: HPG4 (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH and MB4000GVYZK Drives**

Version: HPG4 (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB2000GCWLT, MB3000GCWLU and MB4000GCWLV Drives**

Version: HPG4 (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MB2000GFEMH and MB4000GFEMK Drives**

Version: HPG6 (H) (Critical)



### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was found during supplier ongoing reliability testing.
- The firmware also corrects settings preservation after a code download, and includes emergency power off improvements.

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MB4000GEFNA and MB6000GEFNB Drives**

Version: HPG6 (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MB4000GEQNH and MB6000GEQNK Drives**

Version: HPG6 (H) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

(D) etc..

### **Fixes**

- Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was found during supplier ongoing reliability testing.
- The firmware also corrects settings preservation after a code download, and includes emergency power off improvements.

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MB6000GEBTP Drive**

Version: HPG4 (H) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MB6000GEQUT and MB8000GEQUU Drives**

Version: HPGB (H) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- Corrects a potential data integrity issue caused by an in process write retry incorrectly starting at the wrong location. This issue was only found during supplier ongoing reliability testing.

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## Online HDD/SSD Flash Component for Windows (x64) - MB6000GEXXV Drive

Version: HPG2 (I) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## Online HDD/SSD Flash Component for Windows (x64) - MB6000GVYYU Drive

Version: HPG2 (H) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## Online HDD/SSD Flash Component for Windows (x64) - MB6000GVYZB and MB4000GVYZA Drives

Version: HPG4 (E) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MB8000GFECR Drive**

Version: HPG6 (E) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MK000240GWCEU, MK000480GWCEV, MK000960GWCFA and MK001920GWCFCB Drives**

Version: HPG3 (F) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives**

Version: HPG3 (C) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives**

Version: HPG2 (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

### **Fixes**

- This FW release deploys an Enhanced Media Scan algorithm that addresses an issue when the host system does not provide enough idle time for drive's Foreground Media Scan to be activated, which is needed to ensure long term drive reliability. It also addresses few minor issues.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MK003840GWHITE Drive**

Version: HPG8 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MK0960GECQK Drive**

Version: HPG3 (K) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- Firmware fixes intermittent data corruption issue associated with unaligned sequential write operations.

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MM1000GEFQV and MM2000GEFRA Drives**

Version: HPG8 (G) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - MM1000GFJTE Drive**

Version: HPG5 (E) (Optional)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - MR000240GWFLU, MR000480GWFLV, VR000480GWFMD, MR000960GWFMA, VR000960GWFME, MR001920GWFMB and VR001920GWFMC Drives**

Version: HPGG (B) (Recommended)

## **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - VK000150GWCNN, VK000240GWCNP, VK000480GWCNQ, VK000960GWCNR and VK001600GWCNT Drives**

Version: HPG1 (E) (Recommended)

## **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - VK000240GWCFD, VK000480GWCFE, VK000960GWCFF, VK001920GWCFH and VK003840GWCFK Drives**

Version: HPG3 (F) (Recommended)

## **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported

for these configurations.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - VK000240GWEZB, VK000480GWEZC, VK000960GWEZD, VK001920GWEZE, MK000240GWEZF, MK000480GWEZH, MK000960GWEZK and MK001920GWHRU Drives**

Version: HPGG (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives**

Version: HPG5 (E) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..



## Fixes

### **o Fixes a rare link loss issue and adds enhancements for drive reliability.**

- After HPG5 firmware is downloaded to the drive, the new HPG5 firmware will be active on the drive.
- The new drive bootloader code will be activated after the next drive power cycle.
- For more information, refer to HPE Customer Advisory at the following URL:  
[https://support.hpe.com/hpsc/doc/public/display?docId=emr\\_na-a00072768en\\_us](https://support.hpe.com/hpsc/doc/public/display?docId=emr_na-a00072768en_us)

## Enhancements

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives**

Version: HPG4 (C) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## Enhancements

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTTC, VK003840GWTTD, MK000480GWTTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives**

Version: HPG6 (C) (Recommended)

#### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives**

Version: HPG3 (B) (Recommended)

## **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives**

Version: HPG3 (B) (Recommended)

## **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

## **Enhancements**

- Added support for Microsoft Windows Server 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - VK003840GWSXL Drive**

Version: HPG3 (B) (Recommended)

## **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - VK007680GWSXN Drive**

Version: HPG3 (B) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - VK0120GFDKE, VK0240GFDKF, VK0480GFDKH, VK0960GFDKK, VK1920GFDKL and VK3840GFDKN Drives**

Version: HPG1 (H) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online HDD/SSD Flash Component for Windows (x64) - VK0240GEPQN, VK0480GEPQP and VK0960GEPQQ Drives**

Version: HPG1 (H) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - VR000150GWEPP and VR000480GWEPR Drives**

Version: HPG1 (F) (Critical)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

### **Fixes**

- Fixes a timing issue which can cause the drive to become non-functional.
- Fixes VPD Log D0h reported drive Sanitize times.
- Adds support for Security Log Page BBh.

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

## **Online HDD/SSD Flash Component for Windows (x64) - XP0120GFJSL and XP0240GFJSN Drives**

Version: HPS4 (H) (Recommended)

### **Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or a ProLiant host bus adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc..

### **Enhancements**

- Added support for Microsoft Server Windows 2022.

---

### **Online ROM Flash Component for VMware ESXi - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers**

Version: 5.10 (Recommended)

### **Important Note!**

- Power cycle / cold reboot is required if firmware is upgraded from version 1.31 or earlier.

### **Fixes**

- Valid flag is always set to true initially so that CRC check can be performed on initstring partition and test if it is really valid.
- Move Smart Carrier Authentication to later in the boot process and move the Exception Dumper task to earlier in the process in order to support Winbond alternative Flash

---

### **Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10**

Version: 4.11 (Recommended)

### **Fixes**

- Fixed an issue where SSD SmartPath is not enabled on logical drives created on the same array in certain scenarios.
- Fixed a problem where WRITE and READ fails with URE on a RAID6 volume where it could have completed successfully in certain error recovery scenarios.
- Fixed a problem where events were not getting logged in certain scenarios.
- Fixed an issue where a Windows memory dump process was taking longer than 30 minutes.
- Fixed a problem in Gen10 server where FAULT LED was not turning on for the drives failing during device discovery.
- Fixed a problem where the critical event "Controller memory ECC error limit exceeded" was reported in the AHS IML log after upgrading to 3.53 B0 firmware build.
- Fixed a problem where the host WRITE I/O failed on the SmartCache logical drive with UREs present on the primary logical drive.
- Fixed an issue where the controller may be non-responsive after drive failure with SSD SmartPath enabled under a high queue depth workload.
- Fixed a performance issue when the host is submitting large sequential IO streams at high queue depth.
- Fixed an issue where OS filesystem is not available after making configuration changes in HII.
- Fixed an issue where error was observed while selecting edit SmartCache Logical drive option when SmartCache logical drive is in Degraded mode.
- Fixed an issue where the serial output buffer could return an incorrect data size if the entire log has been

filled and wrapped around.

- Fixed an issue where firmware version is listed as null string in the UEFI firmware information page.
- Fixed an issue that after flashing JBOD firmware, “Redundant cabling problem detected” message is displayed

### **Enhancements**

- Host Key Management (HKM) using 3rd Party Applications
- Added support for reporting failed drives in HBA mode within SSA, CLI, HII tools.

---

## **Online ROM Flash Component for Windows (x64) - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers**

Version: 5.10 (Recommended)

### **Important Note!**

- Power cycle / cold reboot is required if firmware is upgraded from version 1.31 or earlier.

### **Fixes**

- Valid flag is always set to true initially so that CRC check can be performed on initstring partition and test if it is really valid.
- Move Smart Carrier Authentication to later in the boot process and move the Exception Dumper task to earlier in the process in order to support Winbond alternative Flash

### **Enhancements**

- Add Windows 2022 support

---

## **Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10**

Version: 4.11 (Recommended)

### **Fixes**

- Fixed an issue where SSD SmartPath is not enabled on logical drives created on the same array in certain scenarios.
- Fixed a problem where WRITE and READ fails with URE on a RAID6 volume where it could have completed successfully in certain error recovery scenarios.
- Fixed a problem where events were not getting logged in certain scenarios.
- Fixed an issue where a Windows memory dump process was taking longer than 30 minutes.
- Fixed a problem in Gen10 server where FAULT LED was not turning on for the drives failing during device discovery.
- Fixed a problem where the critical event "Controller memory ECC error limit exceeded" was reported in the AHS IML log after upgrading to 3.53 B0 firmware build.
- Fixed a problem where the host WRITE I/O failed on the SmartCache logical drive with UREs present on the primary logical drive.
- Fixed an issue where the controller may be non-responsive after drive failure with SSD SmartPath

enabled under a high queue depth workload.

- Fixed a performance issue when the host is submitting large sequential IO streams at high queue depth.
- Fixed an issue where OS filesystem is not available after making configuration changes in HII.
- Fixed an issue where error was observed while selecting edit SmartCache Logical drive option when SmartCache logical drive is in Degraded mode.
- Fixed an issue where the serial output buffer could return an incorrect data size if the entire log has been filled and wrapped around.
- Fixed an issue where firmware version is listed as null string in the UEFI firmware information page.
- Fixed an issue that after flashing JBOD firmware, “Redundant cabling problem detected” message is displayed

### **Enhancements**

- Added OS support for Microsoft Windows Server 2022
- Host Key Management (HKM) using 3rd Party Applications
- Added support for reporting failed drives in HBA mode within SSA, CLI, HII tools.

---

### **HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)**

Version: 2021.10.01 (Recommended)

### **Important Note!**

- The target environment must have the libHBAAPI Package installed prior to the installation of the firmware as the discovery of adapters might not complete without the library. (If not already present, the libHBAAPI Package can be obtained from the operating system installation media.)

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0

### **Prerequisites**

Firmware updates may be accomplished using the inbox or Out of Box (OOB) drivers. Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

- The target environment must have the libHBAAPI Package installed prior to the installation of the firmware as the discovery of adapters might not complete without the library. (If not already present, the libHBAAPI Package can be obtained from the operating system installation media.)

Additional requirements:

- Environment must be running the syslog daemon for the flash engine to run Environment must have 32-bit netlink library (libnl.so) installed for component to be able to discover Emulex Host Bus Adapters(HBAs)

### **Enhancements**

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0

### **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

---

### **HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2016/2019/2022 x64**

Version: 2021.10.01 (Recommended)

### **Important Note!**

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0



## **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

- The HPE supplied Emulex driver must be installed prior to this firmware component being identified by SUM for deployment. The OOB driver is available on the Service Pack for ProLiant (SPP) which is available at <http://www.hpe.com/servers/spp/download/>

## **Enhancements**

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0

## **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

---

## **HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.5**

Version: 2021.10.01 (Recommended)

## **Important Note!**

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0

## **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

## **Enhancements**

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0

## **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

---

## **HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.7**

Version: 2021.10.01 (Recommended)

## **Important Note!**

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0

## **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

### **Enhancements**

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0

### **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

---

### **HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0**

Version: 2021.10.01 (Recommended)

### **Important Note!**

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

## **Enhancements**

This Firmware package contains following firmware versions:

Adapter	Speed	Universal Boot Image	Firmware	UEFI	Boot Bios
HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	16Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	12.8.528.12	12.8.528.12	12.8.528.10	12.8.502.0

## **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

---

## **HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86\_64)**

Version: 2021.10.01 (Recommended)

### **Important Note!**

- The target environment must have the libHBAAPI Package installed prior to the installation of the firmware as the discovery of adapters might not complete without the library. (If not already present, the libHBAAPI Package can be obtained from the operating system installation media.)

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	1.75.07	9.06.02	7.04	3.64

## **Prerequisites**

Firmware updates may be accomplished using the inbox or Out of Box (OOB) drivers. Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

- The target environment must have the libHBAAPI Package installed prior to the installation of the firmware as the discovery of adapters might not complete without the library. (If not already present, the libHBAAPI Package can be obtained from the operating system installation media.)
- The HPE supplied enablement kit must be installed prior to this firmware component being identified by SUM for deployment.

The OOB driver and enablement kit are available on the Service Pack for ProLiant (SPP) which is available at <http://www.hpe.com/servers/spp/download>.

- It is advised to provide read-write permissions on /var/tmp folder. Firmware deployment via Service Pack for ProLiant(SPP) might be unsuccessful in some cases , if read-write(rw) permissions are not enable on /tmp or /var/tmp directories.

### **Enhancements**

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	1.75.07	9.06.02	7.04	3.64

### **Supported Devices and Features**

This firmware supports the following HPE adapters:

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

### **HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2016/2019/2022 (x86\_64)**

Version: 2021.10.01 (Recommended)

### **Important Note!**

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	1.75.07	9.06.02	7.04	3.64

HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	1.75.07	9.06.02	7.04	3.64

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

The OOB driver is available on the Service Pack for ProLiant (SPP) which is available at

<http://www.hpe.com/servers/spp/download>.

### **Enhancements**

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	1.75.07	9.06.02	7.04	3.64

### **Supported Devices and Features**

This firmware supports the following HPE adapters:

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

## **HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.5**

Version: 2021.10.01 (Recommended)

### **Important Note!**

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	1.75.07	9.06.02	7.04	3.64

HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	1.75.07	9.06.02	7.04	3.64

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

- The HPE supplied Qlogic driver must be installed prior to this firmware component being identified by SUM for deployment. The OOB driver is available on the Service Pack for ProLiant (SPP) which is available at <http://www.hpe.com/servers/spp/download/>

### **Enhancements**

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	1.75.07	9.06.02	7.04	3.64

### **Supported Devices and Features**

This firmware supports the following HPE adapters:

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

## **HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.7**

Version: 2021.10.01 (Recommended)

### **Important Note!**

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel	16Gb	1.75.07	9.06.02	7.04	3.64

Host Bus Adapter					
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	1.75.07	9.06.02	7.04	3.64

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

- The HPE supplied QLogic driver must be installed prior to this firmware component being identified by SUM for deployment. The OOB driver is available on the Service Pack for ProLiant (SPP) which is available at <http://www.hpe.com/servers/spp/download/>

### **Enhancements**

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	1.75.07	9.06.02	7.04	3.64

### **Supported Devices and Features**

This firmware supports the following HPE adapters:

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

## **HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0**

Version: 2021.10.01 (Recommended)

### **Important Note!**

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios



HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	1.75.07	9.06.02	7.04	3.64

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

- The HPE supplied Qlogic driver must be installed prior to this firmware component being identified by SUM for deployment. The OOB driver is available on the Service Pack for ProLiant (SPP) which is available at <http://www.hpe.com/servers/spp/download/>

### **Enhancements**

This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter	16Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	1.75.07	9.06.02	7.04	3.64
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	1.75.07	9.06.02	7.04	3.64

### **Supported Devices and Features**

This firmware supports the following HPE adapters:

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

### **Firmware Package - Gen10 NVMe Backplane PIC Firmware**

Version: 1.24 (B) (Recommended)

### **Prerequisites**

iLO 5 version 1.10 or later is required.

### **Fixes**

Addressed an issue when deploying Gen10 NVMe Backplane PIC FWPKG component from SUM, user may see additional listing of FWPKG and Smart component if operate system is Windows or Linux

- For additional information, reference SID8029
- Please use FWPKG component to do installation

### **Enhancements**

- Update the firmware to support git setting on ProLiant Gen10 NVMe storage backplanes.
- Add Microsoft Windows 2022 to supported OS

---

## **Firmware Package - Gen10Plus UBM2 Backplane PIC Firmware**

Version: 1.16 (B) (Recommended)

### **Prerequisites**

iLO 5 version 2.10 or later is required.

### **Fixes**

- Update device guid

### **Enhancements**

- Add Microsoft Windows 2022 to supported OS

---

## **Firmware Package - Gen10Plus UBM3 Backplane PIC Firmware**

Version: 1.22 (Recommended)

### **Prerequisites**

iLO 5 version 2.10 or later is required.

### **Fixes**

- Update device guid
- Fixed FW update causing NVME drive missing

### **Enhancements**

- Add Microsoft Windows 2022 to supported OS

---

## **Firmware Package - Gen10Plus UBM4 Backplane PIC Firmware**

Version: 1.22 (Recommended)

### **Prerequisites**

iLO 5 version 2.10 or later is required.

### **Fixes**

- Update device guid
- Fixed FW update causing NVME drive missing

## **Enhancements**

- Add Microsoft Windows 2022 to supported OS

---

## **Online Flash Component for Linux - Gen10 NVMe Backplane PIC Firmware**

Version: 1.24 (B) (Recommended)

### **Prerequisites**

iLO 5 version 1.10 or later is required.

### **Fixes**

Addressed an issue when deploying NVMe Backplane PIC Windows or Linux component from iLO, the flashing may fail with error message “The file signature is invalid”.

- For additional information, reference SID8029 and SID8030
- Use the FWPKG components instead of using the OS based Windows and Linux component,

## **Enhancements**

- Update the firmware to support RHEL8 on ProLiant Gen10 NVMe storage backplanes.

---

## **Online Flash Component for Linux - Gen10Plus UBM2 Backplane PIC Firmware**

Version: 1.16 (B) (Recommended)

### **Fixes**

- Update device guid

---

## **Online Flash Component for Linux - Gen10Plus UBM3 Backplane PIC Firmware**

Version: 1.22 (Recommended)

### **Prerequisites**

iLO 5 version 1.10 or later is required.

### **Fixes**

- Update device guid
- Fixed FW update causing NVME drive missing

---

## **Online Flash Component for Linux - Gen10Plus UBM4 Backplane PIC Firmware**

Version: 1.22 (Recommended)

### **Prerequisites**

iLO 5 version 1.10 or later is required.

### **Fixes**

- Update device guid
- Fixed FW update causing NVME drive missing

---

## Online Flash Component for VMware Esxi - Gen10Plus UBM2 Backplane PIC Firmware

Version: 1.16 (B) (Recommended)

### Fixes

- Update device guid

---

## Online Flash Component for VMware Esxi - Gen10Plus UBM3 Backplane PIC Firmware

Version: 1.22 (Recommended)

### Fixes

- Update device guid
- Fixed FW update causing NVME drive missing

---

## Online Flash Component for VMware Esxi - Gen10Plus UBM4 Backplane PIC Firmware

Version: 1.22 (Recommended)

### Fixes

- Update device guid
- Fixed FW update causing NVME drive missing

---

## Online Flash Component for Windows x64 - Gen10 NVMe Backplane PIC Firmware

Version: 1.24 (B) (Recommended)

### Prerequisites

iLO 5 version 1.10 or later is required.

### Fixes

Addressed an issue when deploying NVMe Backplane PIC Windows or Linux component from iLO, the flashing may fail with error message "The file signature is invalid".

- For additional information, reference SID8029 and SID8030
- Use the FWPKG components instead of using the OS based Windows and Linux component,

### Enhancements

- Update the firmware to support git setting on ProLiant Gen10 NVMe storage backplanes.
- Add Microsoft Windows 2022 to supported OS

---

## Online Flash Component for Windows x64 - Gen10Plus UBM2 Backplane PIC Firmware

Version: 1.16 (B) (Recommended)

### Prerequisites

iLO 5 version 2.30 or later is required.

### Fixes

- Update device guid

### **Enhancements**

- Add Microsoft Windows 2022 to supported OS

---

### **Online Flash Component for Windows x64 - Gen10Plus UBM3 Backplane PIC Firmware**

Version: 1.22 (Recommended)

### **Prerequisites**

iLO 5 version 1.10 or later is required.

### **Fixes**

- Update device guid
- Fixed FW update causing NVME drive missing

### **Enhancements**

- Add Microsoft Windows 2022 to supported OS

---

### **Online Flash Component for Windows x64 - Gen10Plus UBM4 Backplane PIC Firmware**

Version: 1.22 (Recommended)

### **Prerequisites**

iLO 5 version 1.10 or later is required.

### **Fixes**

- Update device guid
- Fixed FW update causing NVME drive missing

### **Enhancements**

- Add Microsoft Windows 2022 to supported OS

---

### **Online Flash for Linux - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors**

Version: 0.2.2.3 (Optional)

### **Prerequisites**

System ROM V1.26 or later

- The "iLO 5 Channel Interface Driver" (CHIF) for Linux which is integrated into the standard Linux kernel.

### **Enhancements**

Version 0.2.2.3 firmware

---

### **Online Flash for Linux - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors**

Version: 04.01.04.505 (Recommended)

### **Fixes**

See the release document in Download Product Binaries page from Product Summary of the firmware product.

### **Enhancements**

Version 04.01.04.505 firmware

---

### **Online Flash for Windows x64 - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors**

Version: 04.01.04.505 (Recommended)

### **Fixes**

See the release document in Download Product Binaries page from Product Summary of the firmware product.

### **Enhancements**

Version 04.01.04.505 firmware

---

### **Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems**

Version: 05.01.04.303 (Recommended)

### **Enhancements**

Version 05.01.04.303 firmware

---

### **Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems**

Version: 05.01.04.303 (Recommended)

### **Enhancements**

Version 05.01.04.303 firmware

---

### **ROM Flash Firmware Package - Innovation Engine Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors**

Version: 0.2.2.3 (Optional)

### **Prerequisites**

System ROM V1.26 or later

iLO 5 v1.20 or later

### **Enhancements**

Version 0.2.2.3 firmware

---

## ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 3100/3200/4100/4200/5100/5200/6100/6200/8100/8200 series Processors

Version: 04.01.04.505 (Recommended)

### Fixes

See the release document in Download Product Binaries page from Product Summary of the firmware product.

### Enhancements

Version 04.01.04.505 firmware

---

## ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems

Version: 05.01.04.303 (Recommended)

### Enhancements

Version 05.01.04.303 firmware

---

## HPE Agentless Management Bundle Smart Component on ESXi 7.0 for Gen10 and Gen10 Plus Servers

Version: 2021.10.01 (Recommended)

### Fixes

Agentless Management Service

- Fix excessive poll failure logging on iLO reset
- Applied fixes to net-snmp open source code for CVE-2018-18065, CVE-2018-18066, CVE-2015-5621

### Enhancements

Agentless Management Service

- Added support for new cpqIdeAtaDiskCapacityHighBytes and cpqIdeAtaDiskCapacityLowBytes MIB OIDs
- Added support for hrSystemUptime MIB OID
- Added support for cpqIdeAtaDiskSSDWearStatusChange trap
- Added support for Pensando NIC devices

---

## HPE Fiber Channel and Storage Enablement Bundle Smart Component for ESXi 7.0

Version: 2021.10.01 (Recommended)

### Enhancements

Supports VMware ESXi 7.0 U2 and ESXi 7.0 U3

---

## HPE iLO Driver Bundle Smart Component for ESXi 7.0

Version: 2021.09.01 (Recommended)

### Fixes

- Fixed driver unload function to allow controller to function properly on reload and when Quickboot is

enabled.

---

## **HPE Management Bundle Smart Component for ESXi 6.5 for Gen10 and Gen10 Plus Servers**

Version: 2021.10.01 (Recommended)

### **Fixes**

Agentless Management Service

- Fix excessive poll failure logging on iLO reset
- Applied fixes to net-snmp open source code for CVE-2018-18065, CVE-2018-18066, CVE-2015-5621

iLO Driver

- Fixed driver unload function to allow controller to function properly on reload.

### **Enhancements**

Agentless Management Service

- Added support for new cpqIdeAtaDiskCapacityHighBytes and cpqIdeAtaDiskCapacityLowBytes MIB OIDs
- Added support for hrSystemUptime MIB OID
- Added support for cpqIdeAtaDiskSSDWearStatusChange trap
- Added support for Pensando NIC devices

---

## **HPE Management Bundle Smart Component for ESXi 6.7 for Gen10 and Gen10 Plus Servers**

Version: 2021.10.01 (Recommended)

### **Fixes**

Agentless Management Service

- Fix excessive poll failure logging on iLO reset
- Applied fixes to net-snmp open source code for CVE-2018-18065, CVE-2018-18066, CVE-2015-5621

iLO Driver

- Fixed driver unload function to allow controller to function properly on reload and when Quickboot is enabled

### **Enhancements**

Agentless Management Service

- Added support for new cpqIdeAtaDiskCapacityHighBytes and cpqIdeAtaDiskCapacityLowBytes MIB OIDs
- Added support for hrSystemUptime MIB OID
- Added support for cpqIdeAtaDiskSSDWearStatusChange trap
- Added support for Pensando NIC devices

---

## **Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0**

Version: 2021.10.01 (Recommended)

### **Fixes**

- Fixed an issue where the "Turn off" LED operation momentarily turns on all Identify LED.
- Fixed an issue where an NVME drive was failed after flashing drive firmware.



- Fixed an issue where an operation failure message was observed while deleting a volume with status “Not Available” .
- Fixed an issue that SSAScripting reported incorrect size for some drives greater than 1TB. This did not affect SSACLI.

### **Enhancements**

- Added initial passive SED support.
- Added new "unchanged" Drive Write Cache (DWC) policy to the applications.
- Added support for discovering and reporting failed drives that are not part of a RAID volume.

---

## **HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions**

Version: 1.2.1.66 (Recommended)

### **Enhancements**

- Added support for Windows 2022.

---

## **HPE QLogic Fibre Channel driver component for VMware vSphere 6.5**

Version: 2021.10.01 (Recommended)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

### **Fixes**

Fixed the following:

- Addressed unwanted behavior with Fabric Port Identification Number (FPIN) based congestion throttling leading to poor performance.
- Fixed an unwanted behavior where stale connection IDs could be used with Fibre Channel- Non Volatile Memory Express (FC-NVMe) traffic.
- Fixed an unwanted behavior with response queue handling to avoid the problem referenced by <https://kb.vmware.com/s/article/81721>

### **Enhancements**

Added the following:

- Made improvements to the Fabric Port Identification Number (FPIN) and Universal Storage Area Network (SAN) Congestion Mitigation(USCM) Congestion Management algorithm
- Implemented the vmkmgmt Application programming Interface (API) to report Non-Volatile Memory Express (NVMe) target info and send Non-Volatile Memory Express (NVMe) pass through commands

Driver version 2.1.101.0

### **Supported Devices and Features**

This driver supports the following HPE adapters:

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

### **HPE QLogic Fibre Channel driver component for VMware vSphere 6.7**

Version: 2021.10.01 (Recommended)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

### **Fixes**

Fixed the following:

- Addressed unwanted behavior with Fabric Port Identification Number (FPIN) based congestion throttling leading to poor performance.
- Fixed an unwanted behavior where stale connection IDs could be used with Fibre Channel- Non Volatile Memory Express (FC-NVMe) traffic.
- Fixed an unwanted behavior with response queue handling to avoid the problem referenced by <https://kb.vmware.com/s/article/81721>

### **Enhancements**

Added the following:

- Made improvements to the Fabric Port Identification Number (FPIN) and Universal Storage Area Network (SAN) Congestion Mitigation(USCM) Congestion Management algorithm
- Implemented the vmkmgmt Application programming Interface (API) to report Non-Volatile Memory Express (NVMe) target info and send Non-Volatile Memory Express (NVMe) pass through commands

Driver version 3.1.46.0

### **Supported Devices and Features**

This driver supports the following HPE adapters:

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

## HPE QLogic Fibre Channel driver component for VMware vSphere 7.0

Version: 2021.10.01 (Recommended)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

### **Fixes**

Fixed the following:

- Fixed an unwanted behavior where Get Port Speed Capabilities (GPSC) failures were leading to intelligent interleaved direct memory access (IIDMA) for target being set to 1GB/s. This is described in Advisory: HPE Host Bus Adapters - HPE Platforms Running VMware ESXi 6.5 / 6/7 / 7.0 and Configured With Certain HPE Host Bus Adapters May Experience Severe Performance Degradation When Connected to Brocade FOS v8.0.1 (or Prior)
- Addressed unwanted behavior with Fabric Port Identification Number (FPIN) based congestion throttling leading to poor performance.
- Fixed an unwanted behavior where stale connection IDs could be used with Fibre Channel- Non Volatile Memory Express (FC-NVMe) traffic.
- Fixed an unwanted behavior with response queue handling to avoid the problem referenced by <https://kb.vmware.com/s/article/81721>

### **Enhancements**

Added the following:

- Made improvements to the Fabric Port Identification Number (FPIN) and Universal Storage Area Network (SAN) Congestion Mitigation(USCM) Congestion Management algorithm
- Implemented the vmkmgmt Application programming Interface (API) to report Non-Volatile Memory Express (NVMe) target info and send Non-Volatile Memory Express (NVMe) pass through commands

Driver version 4.1.34.0

### **Supported Devices and Features**

This driver supports the following HPE adapters:

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

## HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.5

Version: 2021.10.01 (Recommended)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:  
<http://www.hpe.com/storage/spock/>

### **Enhancements**

- Updated to Driver version 12.8.317.0

### **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb 1Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

---

## **HPE Storage Emulex Fibre Channel driver component for VMware vSphere 6.7**

Version: 2021.10.01 (Recommended)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:  
<http://www.hpe.com/storage/spock/>

### **Enhancements**

- Updated to Driver version 12.8.528.14

### **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

---

## **HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0**

Version: 2021.10.01 (Recommended)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.

This component is supported only on ESXI 7.0U2

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

### **Enhancements**

- Updated to Driver version 12.8.528.13

This component is supported only on ESXI 7.0U2

### **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

---

## **HPE Storage Emulex Fibre Channel NVMe driver component for VMware vSphere 7.0**

Version: 2021.10.01 (Recommended)

### **Important Note!**

- This component is intended to be used by HPE applications. It is a zip that contains the same driver deliverable available from the vmware.com and the HPE vibsdepot.hpe.com webpages, plus an HPE specific CPXXXX.xml file.

This component is supported only on ESXi 7.0U2

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

### **Enhancements**

- Updated to Driver version 12.8.528.7

This component is supported only on ESXi 7.0U2

### **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

---

## **Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)**

Version: 4.1-1 (d) (Optional)

### **Prerequisites**

---

## **HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters and Mezzanine Host Bus Adapters for Red Hat Enterprise Linux 7 Server**

Version: 12.8.526.0 (Recommended)

### **Important Note!**

- The target environment must have the libHBAAPI Package installed prior to the installation of the enablement kit. (If not already present, the libHBAAPI Package can be obtained from the operating system installation media.)

### **Prerequisites**

- The target environment must have the libHBAAPI Package installed prior to the installation of the enablement kit. (If not already present, the libHBAAPI Package can be obtained from the operating system installation media.)

### **Enhancements**

- Updated to version 12.8.526.0

### **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

---

## **HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters and Mezzanine Host Bus Adapters for Red Hat Enterprise Linux 8 Server**

Version: 12.8.526.0 (Recommended)

### **Important Note!**

- The target environment must have the libHBAAPI Package installed prior to the installation of the enablement kit. (If not already present, the libHBAAPI Package can be obtained from the operating system installation media.)

### **Prerequisites**

- The target environment must have the libHBAAPI Package installed prior to the installation of the enablement kit. (If not already present, the libHBAAPI Package can be obtained from the operating system installation media.)

## **Enhancements**

Added the following support:

- Added support for RHEL 8.4
- Updated to version 12.8.526.0

## **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

---

## **HPE Emulex Smart SAN Enablement Kit for Linux**

Version: 1.0.0.0-4 (g) (Optional)

### **Important Note!**

- The Smart SAN enablement kit will not execute when an operating system has only the inbox fibre channel driver installed. An out of box (OOB) fibre channel driver is needed to utilize Smart SAN functionality. If any OOB driver is installed, the enablement kit will pre-enable/disable Smart SAN functionality for future use. It can then be activated once a Smart SAN enabled OOB driver is installed (see Prerequisite Notes) and after a reboot has occurred.

Obtain Smart SAN User Guide for 3PAR at following link: [HPE Smart SAN for 3PAR 2.0 User Guide](#)

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

- The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The driver is available on the HPE.com website at [www.hpe.com](http://www.hpe.com).

However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

## **Enhancements**

- Added support to SLES15SP3
- Updated to version 1.0.0.0-4

## **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb 1Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

---

## HPE Emulex Smart SAN Enablement Kit for Microsoft Windows Server 2016/2019 (x86\_64)

Version: 1.0.0.1 (k) (Optional)

### **Important Note!**

- The Smart SAN enablement kit will not execute when an operating system has only the inbox fibre channel driver installed. An out of box (OOB) fibre channel driver is needed to utilize Smart SAN functionality. If any OOB driver is installed, the enablement kit will pre-enable/disable Smart SAN functionality for future use. It can then be activated once a Smart SAN enabled OOB driver is installed (see Prerequisite Notes) and after a reboot has occurred.

Obtain Smart SAN User Guide for 3PAR at following link: [HPE Smart SAN for 3PAR 2.0 User Guide](#)

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

- The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The latest Emulex FC driver 12.8.351.7 is available on the Service Pack for ProLiant (SPP) which is available at <http://www.hpe.com/servers/spp/download/> However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

### **Enhancements**

- Updated to version 1.0.0.1

### **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb 1Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

---

## HPE NVMe Fibre Channel Enablement Kit for Emulex Host Bus Adapters for Linux Server

Version: 12.8.264.0 (b) (Optional)

### **Important Note!**

This package is applicable only on the below Operating Systems

Red Hat Enterprise Linux Server 7 update 8

Red Hat Enterprise Linux Server 7 update 9

### **Prerequisites**

- To successfully deploy nvme-connect rpm on target systems based on a Linux operating system, "nvme-cli" package has to be available on the target system. This package is available as part of the OS-distro.

### **Enhancements**

- Updated to version 12.8.264.0



## **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter

---

## **HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter and Mezzanine Host Bus Adapter for Linux**

Version: 6.0.0.0-16 (b) (Recommended)

### **Important Note!**

Release Notes: HPE QLogic Adapters Release Notes

The Enablement Kit requires that the target environment have the libHBAAPI package installed from your OS installation media.

- The Linux Enablement kit has been changed from "HP-CNA-FC-hpqlgc-Enablement-Kit" to "HPE-CNA-FC-hpeqlgc-Enablement-Kit". Upgrade from the older released Enablement kit is supported. However downgrade to earlier version "HP-CNA-FC-hpqlgc-Enablement-Kit" may not be successful and may report conflicts.

Workaround : Please uninstall the Enablement kit and install the older versions

Example: rpm -Uvh HPE-CNA-FC-hpeqlgc-Enablement-Kit-<version>.noarch.rpm --force --nodeps

rpm -Uvh HPE-CNA-FC-hpeqlgc-Enablement-Kit-<version>.noarch.rpm --replacepks --nodeps

Example: rpm -Uvh HPE-CNA-FC-hpeqlgc-Enablement-Kit-<version>.noarch.rpm --force --nodeps

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

The Enablement Kit requires that the target environment have the libHBAAPI package installed from your OS installation media.

### **Enhancements**

- Updated the kit to version 6.0.0.0-16

## **Supported Devices and Features**

This driver supports the following HPE adapters:

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

## **HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server**

**2016/2019 (x86\_64)**

Version: 1.0.0.1 (j) (Recommended)

### **Important Note!**

- The Smart SAN enablement kit will not execute when an operating system has only the inbox fibre channel driver installed. An out of box (OOB) fibre channel driver is needed to utilize Smart SAN functionality. If any OOB driver is installed, the enablement kit will pre-enable/disable Smart SAN functionality for future use. It can then be activated once a Smart SAN enabled OOB driver is installed (see Prerequisite Notes) and after a reboot has occurred.

Obtain Smart SAN User Guide for 3PAR at following link: [HPE Smart SAN for 3PAR 2.0 User Guide](#)

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:

<http://www.hpe.com/storage/spock/>

- The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The latest Qlogic FC driver 9.4.5.20 is available on the Service Pack for ProLiant (SPP) which is available at <http://www.hpe.com/servers/spp/download/>

However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

### **Enhancements**

- Updated to version 1.0.0.1

### **Supported Devices and Features**

This enablement kit is supported on the following HPE adapters:

- HPE SN1100Q 16GB 2-port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB 1-port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

## **HPE QLogic Smart SAN enablement kit for Linux**

Version: 3.3-3 (i) (Optional)

### **Important Note!**

Obtain Smart SAN User Guide for 3PAR at following link: [HPE Smart SAN for 3PAR 2.0 User Guide](#)

### **Prerequisites**

Please consult SPOCK for a list of supported configurations available at the following link:<http://www.hpe.com/storage/spock/>

- The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The driver is available on the HPE.com website at [www.hpe.com](http://www.hpe.com).
- Red Hat Enterprise Linux 7 Server (x86-64) FC Driver Kit for HPE Qlogic HBAs and mezzanine HBAs, version 10.02.01.00.a14-k1.
- Red Hat Enterprise Linux 8 Server FC Driver Kit for HPE QLogic HBAs and mezzanine HBAs, version 10.02.01.01.a2-k1.

However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

### **Enhancements**

- Updated to version 3.3-3

### **Supported Devices and Features**

This version of the enablement kit supports the following devices:

- HPE SN1100Q 16GB Dual Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

## **Agentless Management Service (iLO 5) for Red Hat Enterprise Linux 7 Server**

Version: 2.5.0 (Optional)

### **Prerequisites**

- amsd only supported on HPE Gen10/Gen10 Plus Servers.
- amsd provides information to the iLO 5 service providing SNMP support.
- Requirements:
- Minimum iLO 5 Firmware Version = 1.1
- Minimum supported OS Versions = Red Hat Enterprise Linux 7.3 Errata 3.10.0.514.6.1

### **Fixes**

Fixed the following items:

- The incorrect cpqSePciSlotWidth data may display due to data source, PCI max link, which is only for embedded devices. The fix uses the SMBIOS 9 for all the PCI devices as the priority.
- Users may see the 34464 Mbps NIC speed on the 100Gb NIC option because the data only shows the lower bits of the speed variable. The fix conducts the upper bits of the speed variable to present correct info.
- Users may see an empty entry for the SATA location due to leading space chars within SMBIOS. The fix removes the redundant space in the data.
- Provide the cpqScsi information (cpqSsci\_rev.service) for the amsd reverse(agent) mode.
- Added protection to prevent the segfault under amsd reverse(agent) mode. This may happen when iLO does a reset without responses to amsd.
- Addressed the display of an IPV6 address that is shown in cpqNic when IPV6 support is disabled in the OS.
- Updated the driver vendor info in the AHS log.

### **Enhancements**

- New support added to amsd:
- Enhance the direct-attached SATA Drive Status - smart Error and failed.
- Enhance the direct-attached SATA Drive Status under hot-plug and hot-remove.

- Provide the new OID, cpqIdeAtaDiskCapacityLowBytes and cpqIdeAtaDiskCapacityHighBytes for SATA HD capacity support:
- HPE DSP DSC-25/100 Ent/Cld 10/25/100Gb

---

## Agentless Management Service (iLO 5) for Red Hat Enterprise Linux 8 Server

Version: 2.5.0 (Optional)

### Prerequisites

- amsd only supported on HPE Gen10/Gen10 Plus Servers.
- amsd provides information to the iLO 5 service providing SNMP support.
- Requirements:
- Minimum iLO 5 Firmware Version = 1.1
- Minimum supported OS Versions = Red Hat Enterprise Linux 8

### Fixes

Fixed the following items:

- The incorrect cpqSePciSlotWidth data may display due to data source, PCI max link, which is only for embedded devices. The fix uses the SMBIOS 9 for all the PCI devices as the priority.
- Users may see the 34464 Mbps NIC speed on the 100Gb NIC option because the data only shows the lower bits of the speed variable. The fix conducts the upper bits of the speed variable to present correct info.
- Users may see an empty entry for the SATA location due to leading space chars within SMBIOS. The fix removes the redundant space in the data.
- Provide the cpqScsi information (cpqSsci\_rev.service) for the amsd reverse(agent) mode.
- Added protection to prevent the segfault under amsd reverse(agent) mode. This may happen when iLO does a reset without responses to amsd.
- Addressed the display of an IPV6 address that is shown in cpqNic when IPV6 support is disabled in the OS.
- Updated the driver vendor info in the AHS log.

### Enhancements

- New support added to amsd:
  - Enhance the direct-attached SATA Drive Status - smart Error and failed.
  - Enhance the direct-attached SATA Drive Status under hot-plug and hot-remove.
  - Provide the new OID, cpqIdeAtaDiskCapacityLowBytes and cpqIdeAtaDiskCapacityHighBytes for SATA HD capacity support:
  - HPE DSP DSC-25/100 Ent/Cld 10/25/100Gb
  - Support for Red Hat Enterprise Linux 8.4

---

## Agentless Management Service for Microsoft Windows x64

Version: 2.50.0.0 (Optional)

## **Important Note!**

About installation and enablement of SMA service:

- During AMS installation in interactive mode, there is pop up message to selectively install SMA.
- If Yes is selected, SMA service will be installed and set to running state.
- If No is selected, SMA service will be installed but the service is not enabled.
- During AMS installation in silent mode, SMA is installed but the service is not enabled.
- To enable SMA service at a later time, go to the following folder: %ProgramFiles%\%OEM%\AMS\Service\ (Typically c:\Program Files\%OEM%\AMS\Service) and execute "EnableSma.bat /f"
- IMPORTANT: The SNMP service community name and permission must also be setup. This is not done by "EnableSma.bat" .
- To disable SMA after it has been enabled, go to the following folder: %ProgramFiles%\%OEM%\AMS\Service\ (Typically c:\Program Files\%OEM%\AMS\Service) and execute "DisableSma.bat /f"
- After installing Windows operating system, make sure all the latest Microsoft Updates are downloaded and installed (wuapp.exe can be launched to start the update process). If this is not done, a critical error may be reported in Windows Event Log, "The Agentless Management Service terminated unexpectedly."

AMS Control Panel Applet:

- The AMS control panel applet UI is best displayed on the system when screen resolution is 1280 x 1024 pixels or higher and text size 100%.
- Test trap generated from AMS Control Panel Applet requires iLO5 firmware version 2.10 and newer.
- When in iLO5 high security mode (e.g. FIPS mode), MD5 authentication protocol will not be shown.

## **Prerequisites**

- The Channel Interface Driver for Windows X64 must be installed prior to this component. Microsoft SNMP Service must be enabled, if SMA (System Management Assistant) is enabled.

## **Fixes**

- Handled more running exceptions when AMS is querying iSCSI information.
- Fixed a crash issue when AMS is querying network information.
- Fixed incorrect bridging NIC information.

## **Enhancements**

- Added support Intel Virtual RAID (SATA).
- Added support for new I/O cards.
- Removed hardware RAID NVMe devices in CpqSePCleDiskEntry.
- Added support OS uptime information.
- Removed Broadcom and QLogic DLL files.
- Shorten the stop time and uninstall time.

---

## NVMe Drive Eject NMI Fix for Intel Xeon Processor Scalable Family for Microsoft Windows 64-bit

Version: 1.1.0.0 (D) (Optional)

### Enhancements

- Removed support for Windows Server 2012 R2
- Added support for Windows Server 2022

---

## Smart Storage Administrator (SSA) CLI for Linux 64-bit

Version: 5.20.8.0 (Recommended)

### Fixes

- Fixed an issue where the "Turn off" LED operation momentarily turns on all Identify LED.
- Fixed an issue where an NVME drive was failed after flashing drive firmware.
- Fixed an issue where an operation failure message was observed while deleting a volume with status "Not Available" .
- Fixed an issue that SSAScripting reported incorrect size for some drives greater than 1TB. This did not affect SSACL.

### Enhancements

- Added initial passive SED support.
- Added new "unchanged" Drive Write Cache (DWC) policy to the applications.
- Added support for discovering and reporting failed drives that are not part of a RAID volume.

---

## Smart Storage Administrator (SSA) CLI for Windows 64-bit

Version: 5.20.8.0 (Recommended)

### Fixes

- Fixed an issue where the "Turn off" LED operation momentarily turns on all Identify LED.
- Fixed an issue where an NVME drive was failed after flashing drive firmware.
- Fixed an issue where an operation failure message was observed while deleting a volume with status "Not Available" .
- Fixed an issue that SSAScripting reported incorrect size for some drives greater than 1TB. This did not affect SSACL.

### Enhancements

- Added support for Windows Server 2022 for HPE ProLiant Gen10 and Gen10 Plus platforms only.
- Added initial passive SED support.
- Added new "unchanged" Drive Write Cache (DWC) policy to the applications.
- Added support for discovering and reporting failed drives that are not part of a RAID volume.

---

## Smart Storage Administrator (SSA) for Linux 64-bit

Version: 5.20.8.0 (Recommended)

## **Prerequisites**

- The Smart Storage Administrator for Linux requires the System Management Homepage software to be installed on the server. If the System Management Homepage software is not already installed on your server, please download it from HPE.com and install it before installing the Smart Storage Administrator for Linux.
- IMPORTANT UPDATE: SSA (GUI) for Linux can now be run without requiring the System Management Homepage. SSA now supports a Local Application Mode for Linux. The System Management Homepage is still supported, but no longer required to run the SSA GUI.
- To invoke, enter the following at the command prompt:
- ssa -local The command will start SSA in a new Firefox browser window. When the browser window is closed, SSA will automatically stop. This is only valid for the loopback interface, and not visible to external network connections.

## **Fixes**

- Fixed an issue where the "Turn off" LED operation momentarily turns on all Identify LED.
- Fixed an issue where an NVME drive was failed after flashing drive firmware.
- Fixed an issue where an operation failure message was observed while deleting a volume with status "Not Available" .
- Fixed an issue that SSAScripting reported incorrect size for some drives greater than 1TB. This did not affect SSACLI.

## **Enhancements**

- Added initial passive SED support.
- Added new "unchanged" Drive Write Cache (DWC) policy to the applications.
- Added support for discovering and reporting failed drives that are not part of a RAID volume.

---

## **Smart Storage Administrator (SSA) for Windows 64-bit**

Version: 5.20.8.0 (Recommended)

## **Fixes**

- Fixed an issue where the "Turn off" LED operation momentarily turns on all Identify LED.
- Fixed an issue where an NVME drive was failed after flashing drive firmware.
- Fixed an issue where an operation failure message was observed while deleting a volume with status "Not Available" .
- Fixed an issue that SSAScripting reported incorrect size for some drives greater than 1TB. This did not affect SSACLI.

## **Enhancements**

- Added support for Windows Server 2022 for HPE ProLiant Gen10 and Gen10 Plus platforms only.
- Added initial passive SED support.
- Added new "unchanged" Drive Write Cache (DWC) policy to the applications.
- Added support for discovering and reporting failed drives that are not part of a RAID volume.

---

## Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit

Version: 5.20.8.0 (Recommended)

### Fixes

- Fixed an issue where the "Turn off" LED operation momentarily turns on all Identify LED.
- Fixed an issue where an NVME drive was failed after flashing drive firmware.
- Fixed an issue where an operation failure message was observed while deleting a volume with status "Not Available" .
- Fixed an issue that SSAScripting reported incorrect size for some drives greater than 1TB. This did not affect SSACL.

### Enhancements

- Added initial passive SED support.
- Added new "unchanged" Drive Write Cache (DWC) policy to the applications.
- Added support for discovering and reporting failed drives that are not part of a RAID volume.

---

## Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit

Version: 5.20.8.0 (Recommended)

### Important Note!

This stand alone version of the Smart Storage Administrator's Diagnostic feature is available only in CLI form. For the GUI version of Diagnostic reports, please use Smart Storage Administrator (SSA).

### Fixes

- Fixed an issue where the "Turn off" LED operation momentarily turns on all Identify LED.
- Fixed an issue where an NVME drive was failed after flashing drive firmware.
- Fixed an issue where an operation failure message was observed while deleting a volume with status "Not Available" .
- Fixed an issue that SSAScripting reported incorrect size for some drives greater than 1TB. This did not affect SSACL.

### Enhancements

- Added support for Windows Server 2022 for HPE ProLiant Gen10 and Gen10 Plus platforms only.
- Added initial passive SED support.
- Added new "unchanged" Drive Write Cache (DWC) policy to the applications.
- Added support for discovering and reporting failed drives that are not part of a RAID volume.

---

## HPE NFS host agent for RedHat Enterprise Linux(RHEL) Server -7/8

Version: 1.0-1 (b) (Recommended)

### Important Note!

- The following libraries which are part of Operating System distro are to be installed.
  - libhugetlbfs.so



- libuuid.so
- Also nvme-cli package version >=1.12 has to be installed
- For NFC agent to work seamlessly, the following ports are required to be enabled on firewall:
  - RDMA/4420
  - tcp/3205
  - udp/3206
- NVMe-Rdma Drivers are required to be installed for NFC agent to work seamlessly.

### **Prerequisites**

- The following libraries which are part of Operating System distro are to be installed.
  - libhugetlbfs.so
  - libuuid.so
- Also nvme-cli package version >=1.12 has to be installed
- For NFC agent to work seamlessly, the following ports are required to be enabled on firewall:
  - RDMA/4420
  - tcp/3205
  - udp/3206
- NVMe-Rdma Drivers are required to be installed for NFC agent to work seamlessly.

### **Enhancements**

- Updated to version 1.0-1

### **Supported Devices and Features**

The following adapters are supported:

- HPE Ethernet 100Gb 1-port 842QSFP28 Adapter

---

## **HPE Utilities Bundle Smart Component for ESXi 6.5**

Version: 2021.10.01 (Recommended)

### **Important Note!**

- Refer to the HPE VMware Utilities Guide for VMware vSphere 6.5 U3 which is located at HPE VMware ESXi Documentation

### **Fixes**

hpeasacli

- Fixed an issue where the "Turn off" LED operation momentarily turns on all Identify LED.
- Fixed an issue where an NVME drive was failed after flashing drive firmware.
- Fixed an issue where an operation failure message was observed while deleting a volume with status "Not Available" .
- Fixed an issue that SSAScripting reported incorrect size for some drives greater than 1TB. This did not affect SSACLI.

### **Enhancements**

hpeasacli

- Added initial passive SED support.
- Added new "unchanged" Drive Write Cache (DWC) policy to the applications.
- Added support for discovering and reporting failed drives that are not part of a RAID volume.

---

## **HPE Utilities Bundle Smart Component for ESXi 6.7**

Version: 2021.10.01 (Recommended)

### **Important Note!**

- Refer to the HPE VMware Utilities Guide for VMware vSphere 6.7 U3 which is located at HPE VMware ESXi Documentation

### **Fixes**

hpessacli

- Fixed an issue where the "Turn off" LED operation momentarily turns on all Identify LED.
- Fixed an issue where an NVME drive was failed after flashing drive firmware.
- Fixed an issue where an operation failure message was observed while deleting a volume with status "Not Available" .
- Fixed an issue that SSAScripting reported incorrect size for some drives greater than 1TB. This did not affect SSACLI.

### **Enhancements**

hpessacli

- Added initial passive SED support.
- Added new "unchanged" Drive Write Cache (DWC) policy to the applications.
- Added support for discovering and reporting failed drives that are not part of a RAID volume.

---

## **HPE Utilities Bundle Smart Component for ESXi 7.0**

Version: 2021.10.01 (Recommended)

### **Important Note!**

- Refer to the HPE VMware Utilities Guide for VMware vSphere 7.0 which is located at HPE VMware ESXi Documentation

### **Fixes**

Includes an updated the Smart Storage Administrator CLI and CONREP