HITACHI
Inspire the Next

HA8000V シリーズ

Service Pack for HA8000V (SPH)

Version 6.92 8

Readme

２０２５年２月

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1. はじめに

このたびは、日立アドバンストサーバ 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。

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Microsoft, Windows, Windows Server は、米国 Microsoft Corporation の米国およびその他の国における商標または登録商標です。
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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す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。
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(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
２０２４年１１月	初版
２０２５年2月	Windows Server® 2025 対応

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/DL20 Gen10 Plus (U60)
- 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/ML30 Gen10 Plus (U61)
- HA8000V/ML350 Gen10 (U41)

3.2 適用 OS

- Microsoft® Windows Server® 2025
- Microsoft® Windows Server® 2022
- Microsoft® Windows Server® 2019
- Red Hat® Enterprise Linux® Server 8.9
- VMware ESXi™ 8.0
- 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

- Microsoft® Windows Server® 2025
- Red Hat® Enterprise Linux® Server 8.9

(2) 追加サポートデバイス

なし

(3) サポート除外機種及びＯＳ

•サポート除外機種

なし

•サポート除外ＯＳ

- Red Hat® Enterprise Linux® Server 9.2
- Red Hat® Enterprise Linux® Server 8.8

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]ー[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、OS セットアップ前にオフライン展開モードを使用してファームウェアを更新してください。OS セットアップ後のオンライン展開モードでの SPH 初回適用では、SUM インベントリ結果の「推奨されたコンポーネント」にファームウェアが選択されていないことを確認してから、適用してください。

「推奨されたコンポーネント」にファームウェアが選択された場合は、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)]-[アドバンストオプション(Advanced Options)]から「アドバンストオプション(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

⑴ 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、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

⑵ 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。

⑶ 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/更新対象および利用形態が異なりますので、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		iso イメージの利用形態	
		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)	ファイル(※４)	媒体書き込み(※５)
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：ダウンロードまたはコピーした、ストレージデバイス上の iso イメージファイル。

※５：iso イメージを書き込んだ、DVD/USB 等のブータブルメディア。

⑷ 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。)

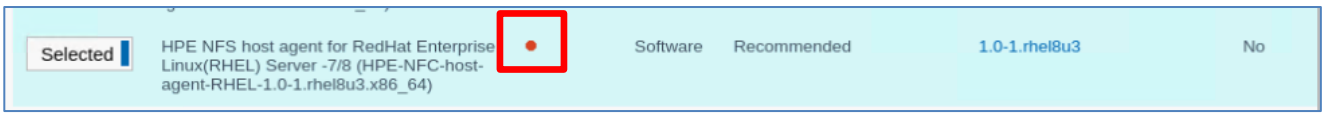
【注意】
ファームウェア/ドライバ/ユーティリティは、別途ご案内のない限り、最新のものをご使用いただくことを推奨しています。特に、強制適用を選択した場合、選択したバージョンが古いとダウングレードとなりますので、意図せずダウングレードしてしまうことが無いよう、操作には注意してください。

⑸ 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。

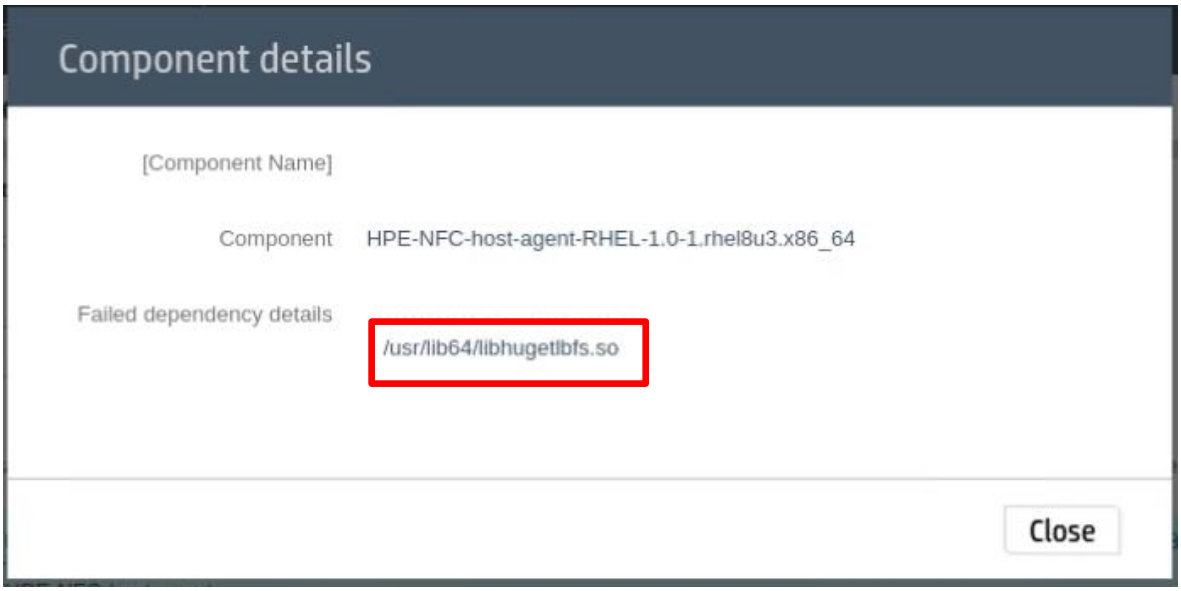
エラーが発生する場合、以降記述の各エラー表示例をご参照頂き、依存ファイルとして表示されるファイル/ライブラリをインストール後、再度 SPH を適用して下さい。

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、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。



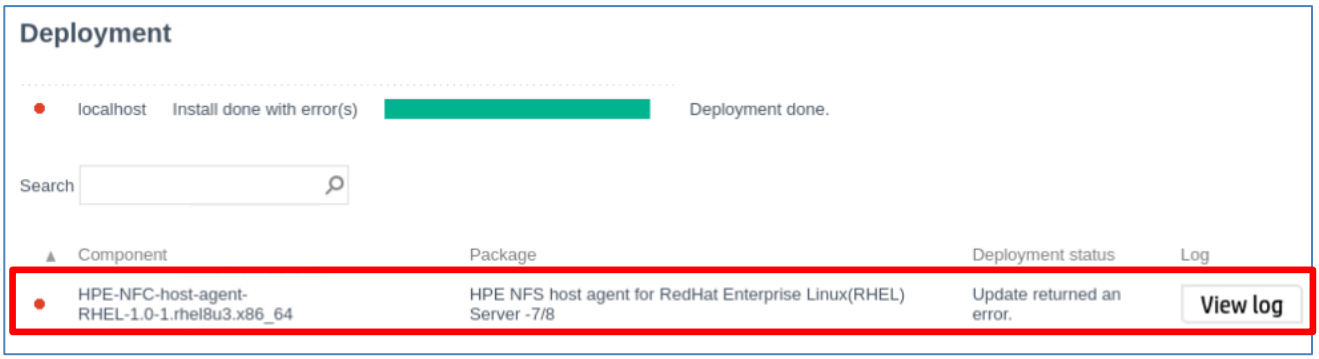
上記赤枠内の赤丸をダブルクリックすると次のダイアログが表示され、”Failed dependency details”として、インストールが必要となるファイル/ライブラリが表示されます。(赤枠内)



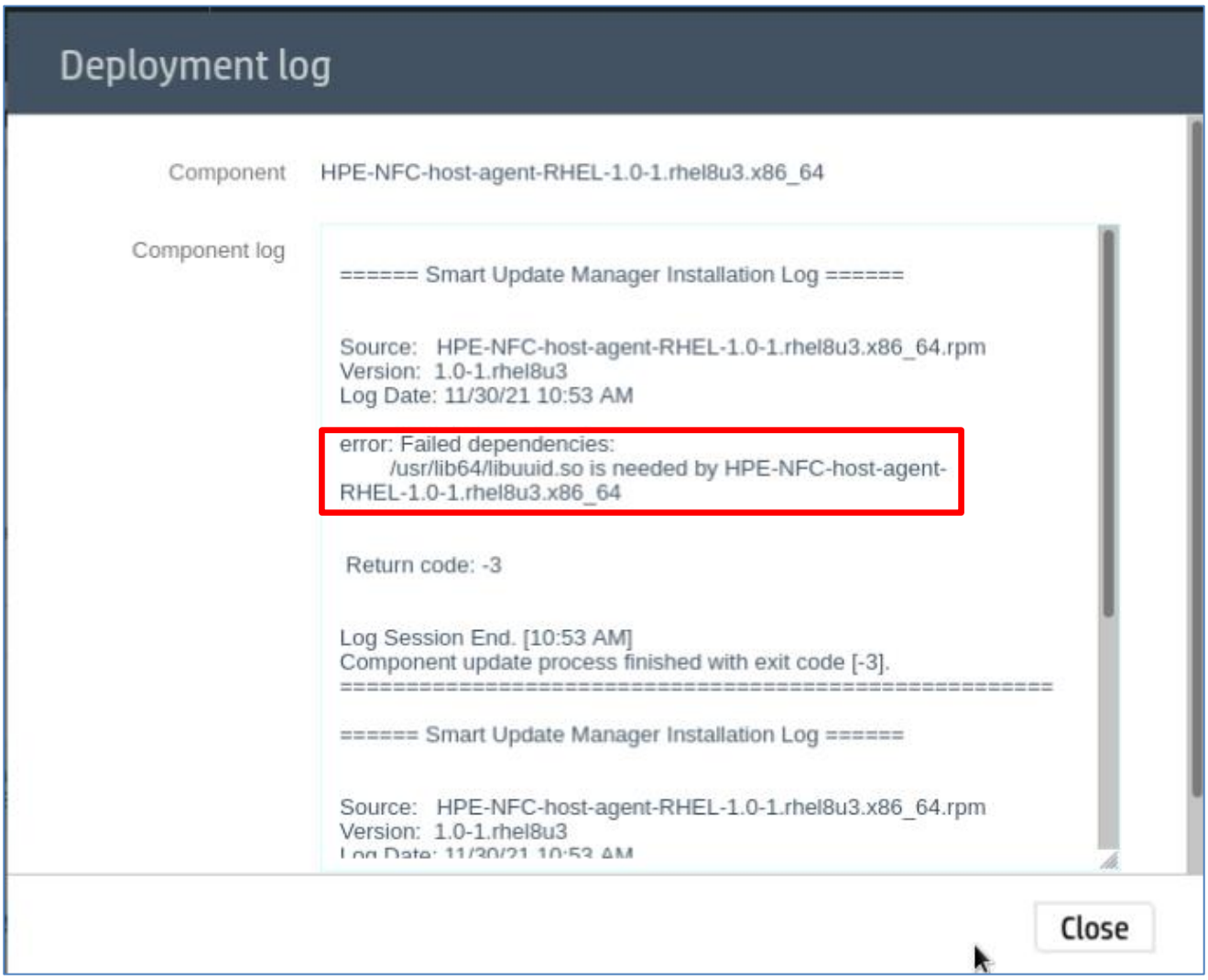
上記の例では、インストールが必要となるファイル/ライブラリとして、”libhugetlbfs.so”を示しています。

【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。



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)



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。

⑹ 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。

「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 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。

⑻ DVD 容量を超えた SPH 媒体の作成について

ファイルサイズが 7.9GB を超える SPH iso イメージは、DVD Dual-Layer(2 層)メディアに入りきらず、SUM オフライン展開モードで必要となるブータブルメディアを作成することができません。
この対処として、SPH に収録している USB Key Utility(Windows アプリ)を使用して、ブート可能な USB フラッシュドライブ(USB キー)を作成することができます。以下、USB キーの作成方法を示します。

【USB Key Utility 使用上の注意】

- 32 ビットオペレーティングシステムではご利用になれません。
- 最大 32GB の USB フラッシュドライブが利用可能です。
- iso イメージサイズより大きいストレージ容量を備える USB フラッシュドライブが必要です。
- ターゲット USB フラッシュドライブ上のすべてのデータが削除されます。データを事前にバックアップしてください。

【USB キー作成手順】

(1) Windows PC で SPH iso イメージをマウントし、"<マウントドライブ>:¥usb¥usbkey"フォルダに格納された"usbkey.exe"をダブルクリックします。
(2) USB Key Utility のスプラッシュ画面(起動画面)が表示されたら、「次へ」をクリックします。
(3) 「エンドユーザー使用許諾契約書」を確認したら、『同意する』をチェックし「次へ」をクリックします。
(4) 『CD/DVD から起動可能な USB キーを作成』をチェックし、「次へ」をクリックします。
(5) 画面表示に従って、ご利用 PC の空いている USB ポートに、USB キー作成用の USB フラッシュドライブを挿入して、「次へ」をクリックします。
(6) 下記の通りメディアを選択し、「次へ」をクリックします。
   - 「ソース CD/DVD の選択」で、『ISO ファイルのブラウズ』をチェックし、USB フラッシュドライブへ書き込む SPH iso イメージファイルを指定します。
   - 「ターゲット USB キーのドライブ文字の選択」で、挿入した USB フラッシュドライブを選択します。(対象のドライブが見つからない場合は、「ターゲット再スキャン」をクリックしてください。再スキャンしても表示されない場合は、別の USB フラッシュドライブを挿入してください。)

(7) 警告メッセージを確認し「次へ」をクリックします。(USB フラッシュドライブがフォーマットされ、ソースの内容が USB フラッシュドライブにコピーされます。)

(8) 正常に作成されたメッセージが表示されたら、「完了」をクリックします。

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、『6.2.9 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 操作用の 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『6.2.7 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 2019	iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2016 and 2019
2	Windows Server 2022	iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2022
3	Windows Server 2025	iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2025

(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.GetCimInstanc
eCommand
```

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、以下の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]ー[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(zip ファイル)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™ 7.0	cp062093.zip	sutComponent_701.5.2.0.6-*.zip
2	VMware ESXi™ 8.0	cp062092.zip	sutComponent_ 800.5.2.0.5-*.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) 次の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) 次のコマンドを実行し、iSUT を AutoDeployReboot モードに設定します。

```
sut –set mode=autodeployreboot
```

(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、次のコマンドを実行してください。

```
sut –set mode=ondemand
```

5.7.3 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。

①iSUT への認証情報設定
②iLO 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)

①iSUT 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 ilousername=<username>
Please provide the iLO password: <******>
```

【注意】
認証情報の設定は、iSUT が OnDemand モードの状態で設定してください。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。

②iLO 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。

⑵ 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
```

5.7.4　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 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)	net-ixgbe	ixgben
TQ-N□□-665240-B21 TQ-N□□-652497-B21 TQ-N□□-811546-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) 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) 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)	igb	igbn
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)	i40e	i40en

(*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】

⑴ 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、以下の表示となる場合、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
```

⑵ ドライバパラメータの再設定

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
```

⑶ 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。

5.7.5 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「日立アドバンストサーバ 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。

5.7.6 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】

【iLO が AMS に接続していない場合】

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か

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、アドバイザリ：「特定のネットワークアダプター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)	Device
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)	HPE Ethernet 10Gb 2-port 562FLR-T Adapte
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)	HPE Ethernet 10Gb 2-port 562T Adapter
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)	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
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)	HPE Ethernet 10Gb 2-port 562SFP+ Adapter
HA8000V / ML350 Gen10 オンボード NIC	Ethernet 1Gb 4-port 369i ネットワークアダプタ	HPE Ethernet 1Gb 4-port 369i Adapter
TQ-N□□-P28778-B21	INT X710 10GbE 2p SFP+ OCP3 Adptr	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2
TQ-N□□-P28787-B21	X710 10Gb 2p SFP+ Adptr	AdapterHPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

(*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 RAID コントローラ環境での OS セットアップの注意事項

5.10.1　ドライバの適用について

下表記載の Gen10 Plus RAID コントローラご利用環境で、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「6.2.5　Driver - Storage Controller」記載の各 OS に対応した Gen10 Plus RAID コントローラ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+
TQ-R□□-P26279-B21	MR416i-a Gen10 Plus コントローラ	Broadcom MR416i-a Cntrl for HPE Gen10+
TQ-R□□-P06367-B21	MR416-p Gen10 Plus コントローラ	Broadcom MR416i-p Cntrl for HPE Gen10+
TQ-R□□-P26325-B21	MR216i-a Gen10 Plus コントローラ	Broadcom MR216i-a Cntrl for HPE Gen10+
TQ-R□□-P26324-B21	MR216-p Gen10 Plus コントローラ	Broadcom MR216i-p 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。

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。

5.12　MegaRAID コントローラーファームウェアのアップデートについて

本 SPH 収録の MegaRAID コントローラ用ファームウェアアップデートコンポーネントは、SUM による更新が失敗することがあります。更新を正常に行うため、SPH 適用前に SPH に収録された「6.2.15 Firmware - Storage Controller」記載の各コントローラに対応したファームウェアを個別に適用してください。

【対象製品】

形名(*1)	製品名	device
TQ-R□□-P26279-B21	MR416i-a Gen10 Plus コントローラ	Broadcom MR416i-a Cntrl for HPE Gen10+
TQ-R□□-P06367-B21	MR416-p Gen10 Plus コントローラ	Broadcom MR416i-p Cntrl for HPE Gen10+
TQ-R□□-P26325-B21	MR216i-a Gen10 Plus コントローラ	Broadcom MR216i-a Cntrl for HPE Gen10+
TQ-R□□-P26324-B21	MR216-p Gen10 Plus コントローラ	Broadcom MR216i-p Cntrl for HPE Gen10+

※「***」はお客さまのご購入製品により相違します。

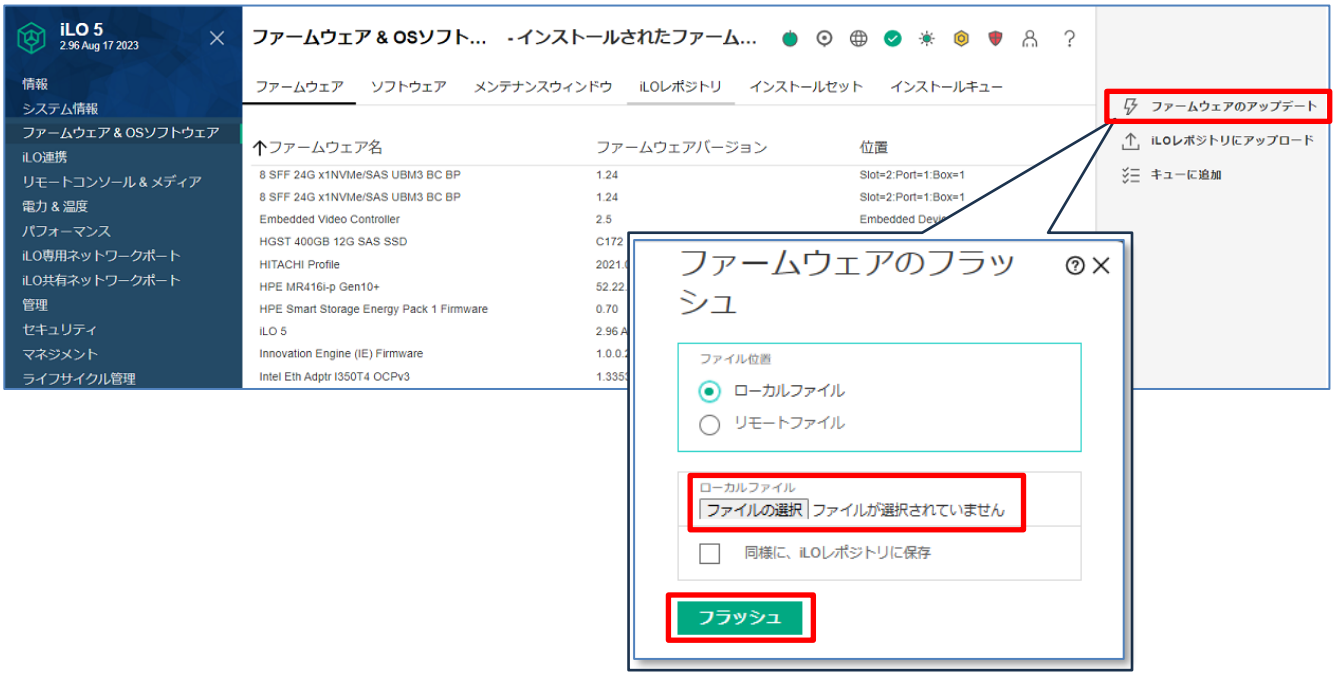
【適用手順】

(1) iLO Web コンソールの、「ファームウェア&OS ソフトウェア」ー「ファームウェア」画面内の、[ファームウェア名]一覧から『HPE MR』から始まる対象製品を探し、現在適用されているバージョンを確認してください。ファームウェアバージョンが本 SPH 収録バージョン以降の場合は、適用する必要はありません。

上記表示例の場合はファームウェアバージョンが“52.24.3-4650”になります。

(2) 上記表記載のご使用の製品に対応したコンポーネントファイル[fwpkg 形式]を SPH から取り出します。(表記載のコンポーネントファイルは、SPH「packages」フォルダに格納されています。)

(3) iLO Web コンソールの「ファームウェア&OS ソフトウェア」の右ペインにある「ファームウェアのアップデート」をクリックして表示される「ファームウェアのフラッシュ」画面で、「ファイルの選択」をクリックし、対象のコンポーネントファイルを指定して、「フラッシュ」をクリックしてください。



(4) 画面上部に緑色の帯でファームウェアアップデート完了のメッセージが表示されたら、システムを再起動します。

(5) 表示されたファームウェアー覧の[ファームウェア名]から「HPE MR」から始まる対象製品の名称を探し、更新後のファームウェアバージョンを確認してください。

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]
- オンボード LAN[Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE]
- 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)
- BCM 5719 1Gb 4p BASE-T Adptr
- BCM 5719 1Gb 4p BASE-T OCP Adptr

(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

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。

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、「日立アドバンスドサーバ HA8000V シリーズ ホームページ」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。

次節以降、カテゴリ別にパッケージの情報を示します。
「Firmware/Driver version」列の情報は、SPH 収録の各パッケージに含まれるファームウェアまたはドライバのバージョン情報を示していますが、VMware システム向けパッケージの場合は、VMware vSphere コンポーネントバージョンを示しています。

6.2.1 Application - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1	Integrated Smart Update Tools 5.2.0 for ESXi 7.0	cp062093.zip	-	2024.08.00	701.5.2.0.6-0
2	Integrated Smart Update Tools 5.2.0 for ESXi 8.0	cp062092.zip	-	2024.08.00	800.5.2.0.5-0
3	Integrated Smart Update Tools for Linux x64	sut-5.2.0-5.linux.x86_64.rpm	-	5.2.0.0	5.2.0-5.linux
4	Integrated Smart Update Tools for Windows x64	cp062091.exe	-	5.2.0.0	5.2.0.0

6.2.2 BIOS - System ROM

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
5	Online ROM Flash Component for Linux - System ROM U30	firmware-system-oem-u30-3.30_2024_07_31-1.1.x86_64.rpm	System BIOS - U30	3.30_07-31-2024	U30 v3.30 (07/31/2024)
6	Online ROM Flash Component for Linux - System ROM U32	firmware-system-oem-u32-3.30_2024_07_31-1.1.x86_64.rpm	System BIOS - U32	3.30_07-31-2024	U32 v3.30 (07/31/2024)
7	Online ROM Flash Component for Linux - System ROM U34	firmware-system-oem-u34-3.30_2024_07_31-1.1.x86_64.rpm	System BIOS - U34	3.30_07-31-2024	U34 v3.30 (07/31/2024)
8	Online ROM Flash Component for Linux - System ROM U41	firmware-system-oem-u41-3.30_2024_07_31-1.1.x86_64.rpm	System BIOS - U41	3.30_07-31-2024	U41 v3.30 (07/31/2024)
9	Online ROM Flash Component for Linux - System ROM U43	firmware-system-oem-u43-3.40_2024_08_01-1.1.x86_64.rpm	System BIOS - U43	3.40_08-01-2024	U43 v3.40 (08/01/2024)
10	Online ROM Flash Component for Linux - System ROM U44	firmware-system-oem-u44-3.40_2024_08_01-1.1.x86_64.rpm	System BIOS - U44	3.40_08-01-2024	U44 v3.40 (08/01/2024)
11	Online ROM Flash Component for Linux - System ROM U46	firmware-system-oem-u46-2.20_2024_08_07-1.1.x86_64.rpm	System BIOS - U46	2.20_08-07-2024	U46 v2.20 (08/07/2024)
12	Online ROM Flash Component for Linux - System ROM U60	firmware-system-oem-u60-2.20_2024_08_07-1.1.x86_64.rpm	System BIOS - U60	2.20_08-07-2024	U60 v2.20 (08/07/2024)
13	Online ROM Flash Component for Linux - System ROM U61	firmware-system-oem-u61-2.20_2024_08_07-1.1.x86_64.rpm	System BIOS - U61	2.20_08-07-2024	U61 v2.20 (08/07/2024)
14	Online ROM Flash Component for Windows x64 - System ROM U30	cp062575.exe	System BIOS - U30	3.30_07-31-2024	U30 v3.30 (07/31/2024)
15	Online ROM Flash Component for Windows x64 - System ROM U32	cp062392.exe	System BIOS - U32	3.30_07-31-2024	U32 v3.30 (07/31/2024)
16	Online ROM Flash Component for Windows x64 - System ROM U34	cp062450.exe	System BIOS - U34	3.30_07-31-2024	U34 v3.30 (07/31/2024)
17	Online ROM Flash Component for Windows x64 - System ROM U41	cp062389.exe	System BIOS - U41	3.30_07-31-2024	U41 v3.30 (07/31/2024)
18	Online ROM Flash Component for Windows x64 - System ROM U43	cp062553.exe	System BIOS - U43	3.40_08-01-2024	U43 v3.40 (08/01/2024)
19	Online ROM Flash Component for Windows x64 - System ROM U44	cp062552.exe	System BIOS - U44	3.40_08-01-2024	U44 v3.40 (08/01/2024)
20	Online ROM Flash Component for Windows x64 - System ROM U46	cp062458.exe	System BIOS - U46	2.20_08-07-2024	U46 v2.20 (08/07/2024)
21	Online ROM Flash Component for Windows x64 - System ROM U60	cp062529.exe	System BIOS - U60	2.20_08-07-2024	U60 v2.20 (08/07/2024)
22	Online ROM Flash Component for Windows x64 - System ROM U61	cp062519.exe	System BIOS - U61	2.20_08-07-2024	U61 v2.20 (08/07/2024)
23	ROM Flash Firmware Package - System ROM U30	OEM.U30_3.30_07_31_2024.fwpkg	System BIOS - U30	3.30_07-31-2024	U30 v3.30 (07/31/2024)
24	ROM Flash Firmware Package - System ROM U32	OEM.U32_3.30_07_31_2024.fwpkg	System BIOS - U32	3.30_07-31-2024	U32 v3.30 (07/31/2024)

25	ROM Flash Firmware Package - System ROM U34	OEM.U34_3.30_07_31_2024.fwpkg	System BIOS - U34	3.30_07-31-2024	U34 v3.30 (07/31/2024)
26	ROM Flash Firmware Package - System ROM U41	OEM.U41_3.30_07_31_2024.fwpkg	System BIOS - U41	3.30_07-31-2024	U41 v3.30 (07/31/2024)
27	ROM Flash Firmware Package - System ROM U43	OEM.U43_3.40_08_01_2024.fwpkg	System BIOS - U43	3.40_08-01-2024	U43 v3.40 (08/01/2024)
28	ROM Flash Firmware Package - System ROM U44	OEM.U44_3.40_08_01_2024.fwpkg	System BIOS - U44	3.40_08-01-2024	U44 v3.40 (08/01/2024)
29	ROM Flash Firmware Package - System ROM U46	OEM.U46_2.20_08_07_2024.fwpkg	System BIOS - U46	2.20_08-07-2024	U46 v2.20 (08/07/2024)
30	ROM Flash Firmware Package - System ROM U60	OEM.U60_2.20_08_07_2024.fwpkg	System BIOS - U60	2.20_08-07-2024	U60 v2.20 (08/07/2024)
31	ROM Flash Firmware Package - System ROM U61	OEM.U61_2.20_08_07_2024.fwpkg	System BIOS - U61	2.20_08-07-2024	U61 v2.20 (08/07/2024)

6.2.3 Driver – Chipset

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
32	Identifiers for Intel Xeon E-22xx Processor for Microsoft Windows	cp062267.exe	-	10.1.19928.8615	10.1.19928.8615
33	Identifiers for Intel Xeon E-23xx Processor for Microsoft Windows	cp062270.exe	-	10.1.19886.8592	10.1.19886.8592
34	Identifiers for Intel Xeon Scalable Processors (First and Second Generation) for Microsoft Windows	cp062266.exe	-	10.1.19006.8299 (C)	10.1.19006.8299
35	Identifiers for Intel Xeon Scalable Processors (Third Generation) for Microsoft Windows	cp061928.exe	-	10.1.19879.8585	10.1.19879.8585

6.2.4 Driver – Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
36	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp062094.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	221.0.6.0	221.0.6.0
37	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp062094.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	221.0.6.0	221.0.6.0
38	Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp062094.exe	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	221.0.6.0	221.0.6.0
39	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp062102.exe	BCM 57414 10/25GbE 2p SFP28 Adptr	230.0.162.0	230.0.162.0
40	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp062102.exe	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	230.0.162.0	230.0.162.0
41	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp062102.exe	BCM 57416 10GbE 2p BASE-T Adptr	230.0.162.0	230.0.162.0
42	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp062102.exe	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	230.0.162.0	230.0.162.0
43	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp062102.exe	BCM 57412 10GbE 2p SFP+ Adptr	230.0.162.0	230.0.162.0
44	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp062102.exe	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	230.0.162.0	230.0.162.0
45	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp062102.exe	BCM 57504 10/25GbE 4p SFP28	230.0.162.0	230.0.162.0

			Adptr		
46	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019	cp062102.exe	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	230.0.162.0	230.0.162.0
47	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp062103.exe	BCM 57414 10/25GbE 2p SFP28 Adptr	230.0.162.0	230.0.162.0
48	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp062103.exe	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	230.0.162.0	230.0.162.0
49	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp062103.exe	BCM 57416 10GbE 2p BASE-T Adptr	230.0.162.0	230.0.162.0
50	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp062103.exe	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	230.0.162.0	230.0.162.0
51	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp062103.exe	BCM 57412 10GbE 2p SFP+ Adptr	230.0.162.0	230.0.162.0
52	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp062103.exe	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	230.0.162.0	230.0.162.0
53	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp062103.exe	BCM 57504 10/25GbE 4p SFP28 Adptr	230.0.162.0	230.0.162.0
54	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022	cp062103.exe	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	230.0.162.0	230.0.162.0
55	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp062137.exe	BCM 57414 10/25GbE 2p SFP28 Adptr	230.0.162.0	230.0.162.0
56	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp062137.exe	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	230.0.162.0	230.0.162.0
57	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp062137.exe	BCM 57416 10GbE 2p BASE-T Adptr	230.0.162.0	230.0.162.0
58	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp062137.exe	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	230.0.162.0	230.0.162.0
59	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp062137.exe	BCM 57412 10GbE 2p SFP+ Adptr	230.0.162.0	230.0.162.0
60	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp062137.exe	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	230.0.162.0	230.0.162.0
61	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp062137.exe	BCM 57504 10/25GbE 4p SFP28 Adptr	230.0.162.0	230.0.162.0
62	Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025	cp062137.exe	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	230.0.162.0	230.0.162.0
63	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp062110.exe	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	221.0.6.0	221.0.6.0
64	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp062110.exe	HP Ethernet 1Gb 2-port 332T Adapter	221.0.6.0	221.0.6.0
65	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp062110.exe	HP Ethernet 1Gb 4-port 331FLR Adapter	221.0.6.0	221.0.6.0
66	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp062110.exe	HP Ethernet 1Gb 4-port 331T Adapter	221.0.6.0	221.0.6.0
67	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp062110.exe	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	221.0.6.0	221.0.6.0
68	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp062098.exe	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	230.0.162.0	230.0.162.0
69	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp062098.exe	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	230.0.162.0	230.0.162.0

70	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp062098.exe	HPE Ethernet 10Gb 2-port 535T Adapter	230.0.162.0	230.0.162.0
71	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp062098.exe	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	230.0.162.0	230.0.162.0
72	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp062098.exe	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	230.0.162.0	230.0.162.0
73	HPE Broadcom NetXtreme-E Driver for Windows Server 2019	cp062098.exe	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	230.0.162.0	230.0.162.0
74	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp062099.exe	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	230.0.162.0	230.0.162.0
75	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp062099.exe	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	230.0.162.0	230.0.162.0
76	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp062099.exe	HPE Ethernet 10Gb 2-port 535T Adapter	230.0.162.0	230.0.162.0
77	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp062099.exe	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	230.0.162.0	230.0.162.0
78	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp062099.exe	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	230.0.162.0	230.0.162.0
79	HPE Broadcom NetXtreme-E Driver for Windows Server 2022	cp062099.exe	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	230.0.162.0	230.0.162.0
80	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
81	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
82	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
83	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
84	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
85	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 535T Adapter	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
86	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
87	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
88	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
89	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
90	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	BCM 57412 10GbE 2p SFP+ Adptr	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
91	HPE Broadcom NetXtreme-E Drivers	kmod-bnxt_en-1.10.3-	BCM 57412 10GbE	1.10.3-	1.10.3-

	for Red Hat Enterprise Linux 8	230.0.132.0.rhel8u9.x86_64.rpm	2p SFP+ OCP3 Adptr	230.0.132.0	230.0.132.0.rhel8u9
92	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 Adptr	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
93	HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8	kmod-bnxt_en-1.10.3-230.0.132.0.rhel8u9.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	1.10.3-230.0.132.0	1.10.3-230.0.132.0.rhel8u9
94	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	2024.09.00	230.0.236.0-1OEM.700.1.0.15843807
95	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	2024.09.00	230.0.236.0-1OEM.700.1.0.15843807
96	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	BCM 57414 10/25GbE 2p SFP28 Adptr	2024.09.00	230.0.236.0-1OEM.700.1.0.15843807
97	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	2024.09.00	230.0.236.0-1OEM.700.1.0.15843807
98	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	2024.09.00	230.0.236.0-1OEM.700.1.0.15843807
99	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	HPE Ethernet 10Gb 2-port 535T Adapter	2024.09.00	230.0.236.0-1OEM.700.1.0.15843807
100	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	2024.09.00	230.0.236.0-1OEM.700.1.0.15843807
101	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	2024.09.00	230.0.236.0-1OEM.700.1.0.15843807
102	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	BCM 57416 10GbE 2p BASE-T Adptr	2024.09.00	230.0.236.0-1OEM.700.1.0.15843807
103	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	2024.09.00	230.0.236.0-1OEM.700.1.0.15843807
104	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	BCM 57412 10GbE 2p SFP+ Adptr	2024.09.00	230.0.236.0-1OEM.700.1.0.15843807
105	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	2024.09.00	230.0.236.0-1OEM.700.1.0.15843807
106	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	BCM 57504 10/25GbE 4p SFP28 Adptr	2024.09.00	230.0.236.0-1OEM.700.1.0.15843807
107	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0	cp062100.zip	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	2024.09.00	230.0.236.0-1OEM.700.1.0.15843807
108	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	2024.09.00	230.0.236.0-1OEM.800.1.0.20613240
109	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	2024.09.00	230.0.236.0-1OEM.800.1.0.20613240
110	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	BCM 57414 10/25GbE 2p SFP28 Adptr	2024.09.00	230.0.236.0-1OEM.800.1.0.20613240
111	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	2024.09.00	230.0.236.0-1OEM.800.1.0.20613240
112	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	HPE Ethernet 10Gb 2-port 535FLR-T	2024.09.00	230.0.236.0-1OEM.800.1.0

			Adapter		.20613240
113	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	HPE Ethernet 10Gb 2-port 535T Adapter	2024.09.00	230.0.236.0-1OEM.800.1.0.20613240
114	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	2024.09.00	230.0.236.0-1OEM.800.1.0.20613240
115	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	2024.09.00	230.0.236.0-1OEM.800.1.0.20613240
116	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	BCM 57416 10GbE 2p BASE-T Adptr	2024.09.00	230.0.236.0-1OEM.800.1.0.20613240
117	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	2024.09.00	230.0.236.0-1OEM.800.1.0.20613240
118	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	BCM 57412 10GbE 2p SFP+ Adptr	2024.09.00	230.0.236.0-1OEM.800.1.0.20613240
119	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	2024.09.00	230.0.236.0-1OEM.800.1.0.20613240
120	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	BCM 57504 10/25GbE 4p SFP28 Adptr	2024.09.00	230.0.236.0-1OEM.800.1.0.20613240
121	HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0	cp062101.zip	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	2024.09.00	230.0.236.0-1OEM.800.1.0.20613240
122	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0-rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	230.0.132.0	230.0.132.0-rhel8u9
123	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0-rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	230.0.132.0	230.0.132.0-rhel8u9
124	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0-rhel8u9.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 Adptr	230.0.132.0	230.0.132.0-rhel8u9
125	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0-rhel8u9.x86_64.rpm	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	230.0.132.0	230.0.132.0-rhel8u9
126	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0-rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	230.0.132.0	230.0.132.0-rhel8u9
127	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0-rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 535T Adapter	230.0.132.0	230.0.132.0-rhel8u9
128	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0-rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	230.0.132.0	230.0.132.0-rhel8u9
129	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0-rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	230.0.132.0	230.0.132.0-rhel8u9
130	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0-rhel8u9.x86_64.rpm	BCM 57416 10GbE 2p BASE-T Adptr	230.0.132.0	230.0.132.0-rhel8u9
131	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0-rhel8u9.x86_64.rpm	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	230.0.132.0	230.0.132.0-rhel8u9
132	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0-rhel8u9.x86_64.rpm	BCM 57412 10GbE 2p SFP+ Adptr	230.0.132.0	230.0.132.0-rhel8u9
133	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0-rhel8u9.x86_64.rpm	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	230.0.132.0	230.0.132.0-rhel8u9
134	HPE Broadcom NetXtreme-E RoCE	libbnxt_re-230.0.132.0-	BCM 57504	230.0.132.0	230.0.132.0-

	Library for Red Hat Enterprise Linux 8 Update 9.	rhel8u9.x86_64.rpm	10/25GbE 4p SFP28 Adptr		rhel8u9
135	HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.	libbnxt_re-230.0.132.0-rhel8u9.x86_64.rpm	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	230.0.132.0	230.0.132.0-rhel8u9
136	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139m-1.rhel8u9.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	3.139m-1	3.139m-1.rhel8u9
137	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139m-1.rhel8u9.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	3.139m-1	3.139m-1.rhel8u9
138	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139m-1.rhel8u9.x86_64.rpm	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	3.139m-1	3.139m-1.rhel8u9
139	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139m-1.rhel8u9.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	3.139m-1	3.139m-1.rhel8u9
140	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139m-1.rhel8u9.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	3.139m-1	3.139m-1.rhel8u9
141	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139m-1.rhel8u9.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	3.139m-1	3.139m-1.rhel8u9
142	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139m-1.rhel8u9.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	3.139m-1	3.139m-1.rhel8u9
143	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8	kmod-tg3-3.139m-1.rhel8u9.x86_64.rpm	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	3.139m-1	3.139m-1.rhel8u9
144	HPE Intel E1R Driver for Windows Server 2019	cp061657.exe	HPE Ethernet 1Gb 2-port 361i Adapter	14.0.5.0	14.0.5.0
145	HPE Intel E1R Driver for Windows Server 2019	cp061657.exe	HPE Ethernet 1Gb 2-port 361T Adapter	14.0.5.0	14.0.5.0
146	HPE Intel E1R Driver for Windows Server 2019	cp061657.exe	HPE Ethernet 1Gb 4-port 366FLR Adapter	14.0.5.0	14.0.5.0
147	HPE Intel E1R Driver for Windows Server 2019	cp061657.exe	HPE Ethernet 1Gb 4-port 366T Adapter	14.0.5.0	14.0.5.0
148	HPE Intel E1R Driver for Windows Server 2022	cp061658.exe	HPE Ethernet 1Gb 2-port 361i Adapter	14.0.5.0	14.0.5.0
149	HPE Intel E1R Driver for Windows Server 2022	cp061658.exe	HPE Ethernet 1Gb 2-port 361T Adapter	14.0.5.0	14.0.5.0
150	HPE Intel E1R Driver for Windows Server 2022	cp061658.exe	HPE Ethernet 1Gb 4-port 366FLR Adapter	14.0.5.0	14.0.5.0
151	HPE Intel E1R Driver for Windows Server 2022	cp061658.exe	HPE Ethernet 1Gb 4-port 366T Adapter	14.0.5.0	14.0.5.0
152	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.25.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	2.25.9-1	2.25.9-1.rhel8u9
153	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.25.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2.25.9-1	2.25.9-1.rhel8u9
154	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.25.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2.25.9-1	2.25.9-1.rhel8u9
155	HPE Intel i40e Drivers for Red Hat Enterprise Linux 8	kmod-hp-i40e-2.25.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2.25.9-1	2.25.9-1.rhel8u9
156	HPE Intel i40e Drivers for Red Hat	kmod-hp-i40e-2.25.9-	HPE Ethernet 10Gb	2.25.9-1	2.25.9-

	Enterprise Linux 8	1.rhel8u9.x86_64.rpm	2-port SFP+ X710-DA2 Adapter		1.rhel8u9
157	HPE Intel i40ea Driver for Windows Server 2019	cp061659.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.19.164.0	1.19.164.0
158	HPE Intel i40ea Driver for Windows Server 2019	cp061659.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.19.164.0	1.19.164.0
159	HPE Intel i40ea Driver for Windows Server 2022	cp061660.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.19.165.0	1.19.165.0
160	HPE Intel i40ea Driver for Windows Server 2022	cp061660.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.19.165.0	1.19.165.0
161	HPE Intel i40eb Driver for Windows Server 2019	cp061661.exe	HPE Ethernet 1Gb 4-port 369i Adapter	1.19.164.0	1.19.164.0
162	HPE Intel i40eb Driver for Windows Server 2022	cp061662.exe	HPE Ethernet 1Gb 4-port 369i Adapter	1.19.164.0	1.19.164.0
163	HPE Intel i40en Driver for VMware vSphere 7.0	cp061663.zip	HPE Ethernet 1Gb 4-port 369i Adapter	2024.09.00	2.8.4.0-1OEM.700.1.0.15843807
164	HPE Intel i40en Driver for VMware vSphere 7.0	cp061663.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2024.09.00	2.8.4.0-1OEM.700.1.0.15843807
165	HPE Intel i40en Driver for VMware vSphere 7.0	cp061663.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2024.09.00	2.8.4.0-1OEM.700.1.0.15843807
166	HPE Intel i40en Driver for VMware vSphere 7.0	cp061663.zip	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2024.09.00	2.8.4.0-1OEM.700.1.0.15843807
167	HPE Intel i40en Driver for VMware vSphere 7.0	cp061663.zip	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	2024.09.00	2.8.4.0-1OEM.700.1.0.15843807
168	HPE Intel i40en Driver for VMware vSphere 8.0	cp061664.zip	HPE Ethernet 1Gb 4-port 369i Adapter	2024.09.00	2.8.4.0-1OEM.800.1.0.20613240
169	HPE Intel i40en Driver for VMware vSphere 8.0	cp061664.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2024.09.00	2.8.4.0-1OEM.800.1.0.20613240
170	HPE Intel i40en Driver for VMware vSphere 8.0	cp061664.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2024.09.00	2.8.4.0-1OEM.800.1.0.20613240
171	HPE Intel i40en Driver for VMware vSphere 8.0	cp061664.zip	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	2024.09.00	2.8.4.0-1OEM.800.1.0.20613240
172	HPE Intel i40en Driver for VMware vSphere 8.0	cp061664.zip	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	2024.09.00	2.8.4.0-1OEM.800.1.0.20613240
173	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.11.2-1.rhel8u9.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	4.11.2-1	4.11.2-1.rhel8u9
174	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.11.2-1.rhel8u9.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	4.11.2-1	4.11.2-1.rhel8u9
175	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.11.2-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA2 adapter	4.11.2-1	4.11.2-1.rhel8u9
176	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.11.2-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	4.11.2-1	4.11.2-1.rhel8u9
177	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.11.2-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	4.11.2-1	4.11.2-1.rhel8u9
178	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.11.2-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ OCP3	4.11.2-1	4.11.2-1.rhel8u9

			X710-DA2 Adapter		
179	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.11.2-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	4.11.2-1	4.11.2-1.rhel8u9
180	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.11.2-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	4.11.2-1	4.11.2-1.rhel8u9
181	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.11.2-1.rhel8u9.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	4.11.2-1	4.11.2-1.rhel8u9
182	HPE Intel iavf Drivers for Red Hat Enterprise Linux 8	kmod-hp-iavf-4.11.2-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	4.11.2-1	4.11.2-1.rhel8u9
183	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.16.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 1Gb 2-port 361i Adapter	6.16.9-1	6.16.9-1.rhel8u9
184	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.16.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 1Gb 2-port 361T Adapter	6.16.9-1	6.16.9-1.rhel8u9
185	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.16.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 1Gb 4-port 366FLR Adapter	6.16.9-1	6.16.9-1.rhel8u9
186	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.16.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 1Gb 4-port 366T Adapter	6.16.9-1	6.16.9-1.rhel8u9
187	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.16.9-1.rhel8u9.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	6.16.9-1	6.16.9-1.rhel8u9
188	HPE Intel igb Drivers for Red Hat Enterprise Linux 8	kmod-hp-igb-6.16.9-1.rhel8u9.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	6.16.9-1	6.16.9-1.rhel8u9
189	HPE Intel igbn Driver for VMware vSphere 7.0	cp062162.zip	HPE Ethernet 1Gb 2-port 361i Adapter	2024.09.00	1.12.0.0-1OEM.700.1.0.15843807
190	HPE Intel igbn Driver for VMware vSphere 7.0	cp062162.zip	HPE Ethernet 1Gb 2-port 361T Adapter	2024.09.00	1.12.0.0-1OEM.700.1.0.15843807
191	HPE Intel igbn Driver for VMware vSphere 7.0	cp062162.zip	HPE Ethernet 1Gb 4-port 366FLR Adapter	2024.09.00	1.12.0.0-1OEM.700.1.0.15843807
192	HPE Intel igbn Driver for VMware vSphere 7.0	cp062162.zip	HPE Ethernet 1Gb 4-port 366T Adapter	2024.09.00	1.12.0.0-1OEM.700.1.0.15843807
193	HPE Intel igbn Driver for VMware vSphere 7.0	cp062162.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	2024.09.00	1.12.0.0-1OEM.700.1.0.15843807
194	HPE Intel igbn Driver for VMware vSphere 7.0	cp062162.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	2024.09.00	1.12.0.0-1OEM.700.1.0.15843807
195	HPE Intel igbn Driver for VMware vSphere 8.0	cp062161.zip	HPE Ethernet 1Gb 2-port 361i Adapter	2024.09.00	1.12.0.0-1OEM.800.1.0.20613240
196	HPE Intel igbn Driver for VMware vSphere 8.0	cp062161.zip	HPE Ethernet 1Gb 2-port 361T Adapter	2024.09.00	1.12.0.0-1OEM.800.1.0.20613240
197	HPE Intel igbn Driver for VMware vSphere 8.0	cp062161.zip	HPE Ethernet 1Gb 4-port 366FLR Adapter	2024.09.00	1.12.0.0-1OEM.800.1.0.20613240
198	HPE Intel igbn Driver for VMware vSphere 8.0	cp062161.zip	HPE Ethernet 1Gb 4-port 366T Adapter	2024.09.00	1.12.0.0-1OEM.800.1.0.20613240
199	HPE Intel igbn Driver for VMware vSphere 8.0	cp062161.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for	2024.09.00	1.12.0.0-1OEM.800.1.0.20613240

			HPE		
200	HPE Intel igbn Driver for VMware vSphere 8.0	cp062161.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	2024.09.00	1.12.0.0-1OEM.800.1.0.20613240
201	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbe-5.20.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.20.9-1	5.20.9-1.rhel8u9
202	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbe-5.20.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	5.20.9-1	5.20.9-1.rhel8u9
203	HPE Intel ixgben Driver for VMware vSphere 7.0	cp059752.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	2024.03.00	1.18.2.0-1OEM.700.1.0.15843807
204	HPE Intel ixgben Driver for VMware vSphere 7.0	cp059752.zip	HPE Ethernet 10Gb 2-port 562T Adapter	2024.03.00	1.18.2.0-1OEM.700.1.0.15843807
205	HPE Intel ixgben Driver for VMware vSphere 8.0	cp058394.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	2024.03.00	1.18.2.0-1OEM.800.1.0.20613240
206	HPE Intel ixgben Driver for VMware vSphere 8.0	cp058394.zip	HPE Ethernet 10Gb 2-port 562T Adapter	2024.03.00	1.18.2.0-1OEM.800.1.0.20613240
207	HPE Intel ixgbevf Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbevf-4.19.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.19.9-1	4.19.9-1.rhel8u9
208	HPE Intel ixgbevf Drivers for Red Hat Enterprise Linux 8	kmod-hp-ixgbevf-4.19.9-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	4.19.9-1	4.19.9-1.rhel8u9
209	HPE Intel ixs Driver for Windows Server 2019	cp061743.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.1.254.0	4.1.254.0
210	HPE Intel ixs Driver for Windows Server 2019	cp061743.exe	HPE Ethernet 10Gb 2-port 562T Adapter	4.1.254.0	4.1.254.0
211	HPE Intel ixs Driver for Windows Server 2022	cp061744.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.1.254.0	4.1.254.0
212	HPE Intel ixs Driver for Windows Server 2022	cp061744.exe	HPE Ethernet 10Gb 2-port 562T Adapter	4.1.254.0	4.1.254.0
213	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019	cp061097.exe	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	24.4.26429.0	24.4.26429.0
214	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019	cp061097.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	24.4.26429.0	24.4.26429.0
215	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2022	cp061096.exe	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	24.4.26429.0	24.4.26429.0
216	HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2022	cp061096.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	24.4.26429.0	24.4.26429.0
217	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	4.26.1-3	4.26.1-1.rhel8u9
218	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	4.26.1-3	4.26.1-1.rhel8u9
219	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red	kmod-kernel-mft-mlnx-4.26.1-1.rhel8u9.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	4.26.1-3	4.26.1-1.rhel8u9

	Hat Enterprise Linux 8 Update 9 (x86_64)				
220	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel8u9.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.26.1-3	4.26.1-1.rhel8u9
221	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel8u9.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.26.1-3	4.26.1-1.rhel8u9
222	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-kernel-mft-mlnx-4.26.1-1.rhel8u9.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	4.26.1-3	4.26.1-1.rhel8u9
223	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mft-4.26.1-3.rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	4.26.1-3	4.26.1-3.rhel8u9
224	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mft-4.26.1-3.rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	4.26.1-3	4.26.1-3.rhel8u9
225	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mft-4.26.1-3.rhel8u9.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	4.26.1-3	4.26.1-3.rhel8u9
226	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mft-4.26.1-3.rhel8u9.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	4.26.1-3	4.26.1-3.rhel8u9
227	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mft-4.26.1-3.rhel8u9.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	4.26.1-3	4.26.1-3.rhel8u9
228	HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mft-4.26.1-3.rhel8u9.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	4.26.1-3	4.26.1-3.rhel8u9
229	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
230	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
231	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
232	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9

	(x86_64)				
233	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
234	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
235	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
236	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
237	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
238	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
239	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
240	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
241	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
242	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
243	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
244	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
245	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9

246	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
247	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
248	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
249	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
250	HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-24.04-OFED.24.04.0.6.6.1.rhel8u9.x86_64.rpm	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	24.04-0.6.6.1	24.04-OFED.24.04.0.6.6.1.rhel8u9
251	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 8	kmod-qlgc-fastlinq-8.74.4.0-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 521T Adapter	8.74.4.0-8	8.74.4.0-1.rhel8u9
252	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Windows Server x64 Editions	cp062361.exe	HPE Ethernet 10Gb 2-port 521T Adapter	8.72.15.0	8.72.15.0
253	HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 7.0	cp061738.zip	HPE Ethernet 10Gb 2-port 521T Adapter	2024.09.00	5.0.393.0-1OEM.700.1.0.15843807
254	HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 8.0	cp061739.zip	HPE Ethernet 10Gb 2-port 521T Adapter	2024.09.00	6.0.393.0-1OEM.800.1.0.20613240
255	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0	cp061740.zip	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	2024.09.00	3.0.251.0-1OEM.700.1.0.15843807
256	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0	cp061740.zip	HPE Ethernet 10Gb 2-port 530T Adapter	2024.09.00	3.0.251.0-1OEM.700.1.0.15843807
257	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 7.0	cp061740.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2024.09.00	3.0.251.0-1OEM.700.1.0.15843807
258	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 8.0	cp061741.zip	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	2024.09.00	3.0.251.0-1OEM.700.1.0.15843807
259	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 8.0	cp061741.zip	HPE Ethernet 10Gb 2-port 530T Adapter	2024.09.00	3.0.251.0-1OEM.700.1.0.15843807
260	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 8.0	cp061741.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2024.09.00	3.0.251.0-1OEM.700.1.0.15843807
261	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.15.23-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	7.15.23-2	7.15.23-1.rhel8u9
262	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.15.23-1.rhel8u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 530T Adapter	7.15.23-2	7.15.23-1.rhel8u9
263	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 8	kmod-netxtreme2-7.15.23-1.rhel8u9.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.15.23-2	7.15.23-1.rhel8u9
264	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows	cp058251.exe	HPE Ethernet 10Gb 2-port 530SFP+	7.13.206.0 (C)	7.13.206.0

	Server x64 Editions		Adapter		
265	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions	cp058251.exe	HPE Ethernet 10Gb 2-port 530T Adapter	7.13.206.0 (C)	7.13.206.0
266	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions	cp058251.exe	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.13.206.0 (C)	7.13.206.0
267	Intel i350 Driver for Windows Server 2019	cp061673.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	14.0.5.0	14.0.5.0
268	Intel i350 Driver for Windows Server 2019	cp061673.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	14.0.5.0	14.0.5.0
269	Intel i350 Driver for Windows Server 2022	cp061674.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	14.0.5.0	14.0.5.0
270	Intel i350 Driver for Windows Server 2022	cp061674.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	14.0.5.0	14.0.5.0
271	Intel i40ea Driver for Windows Server 2019	cp061671.exe	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	1.19.164.0	1.19.164.0
272	Intel i40ea Driver for Windows Server 2019	cp061671.exe	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	1.19.164.0	1.19.164.0
273	Intel i40ea Driver for Windows Server 2022	cp061672.exe	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	1.19.165.0	1.19.165.0
274	Intel i40ea Driver for Windows Server 2022	cp061672.exe	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	1.19.165.0	1.19.165.0
275	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.14.11-1.rhel8u9.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.14.11-1	1.14.11-1.rhel8u9
276	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.14.11-1.rhel8u9.x86_64.rpm	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.14.11-1	1.14.11-1.rhel8u9
277	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.14.11-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA2 adapter	1.14.11-1	1.14.11-1.rhel8u9
278	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.14.11-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA2 OCP3 adapter	1.14.11-1	1.14.11-1.rhel8u9
279	Intel ice Drivers for Red Hat Enterprise Linux 8	kmod-ice-1.14.11-1.rhel8u9.x86_64.rpm	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.14.11-1	1.14.11-1.rhel8u9
280	Intel icea Driver for Microsoft Windows Server 2022	cp061670.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.15.121.0	1.15.121.0
281	Intel icea Driver for Microsoft Windows Server 2022	cp061670.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.15.121.0	1.15.121.0
282	Intel icea Driver for Microsoft Windows Server 2022	cp061670.exe	Intel E810-XXVDA2 adapter	1.15.121.0	1.15.121.0
283	Intel icea Driver for Microsoft Windows Server 2022	cp061670.exe	Intel E810-XXVDA2 OCP3 adapter	1.15.121.0	1.15.121.0
284	Intel icea Driver for Microsoft Windows Server 2022	cp061670.exe	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28	1.15.121.0	1.15.121.0

			Adapter for HPE		
285	Intel icea Driver for Windows Server 2019	cp061669.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	1.15.121.0	1.15.121.0
286	Intel icea Driver for Windows Server 2019	cp061669.exe	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	1.15.121.0	1.15.121.0
287	Intel icea Driver for Windows Server 2019	cp061669.exe	Intel E810-XXVDA2 adapter	1.15.121.0	1.15.121.0
288	Intel icea Driver for Windows Server 2019	cp061669.exe	Intel E810-XXVDA2 OCP3 adapter	1.15.121.0	1.15.121.0
289	Intel icea Driver for Windows Server 2019	cp061669.exe	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	1.15.121.0	1.15.121.0
290	Intel icen Driver for VMware vSphere 7.0	cp061667.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	2024.09.00	1.14.2.0-1OEM.702.0.0.17630552
291	Intel icen Driver for VMware vSphere 7.0	cp061667.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	2024.09.00	1.14.2.0-1OEM.702.0.0.17630552
292	Intel icen Driver for VMware vSphere 7.0	cp061667.zip	Intel E810-XXVDA2 adapter	2024.09.00	1.14.2.0-1OEM.702.0.0.17630552
293	Intel icen Driver for VMware vSphere 7.0	cp061667.zip	Intel E810-XXVDA2 OCP3 adapter	2024.09.00	1.14.2.0-1OEM.702.0.0.17630552
294	Intel icen Driver for VMware vSphere 7.0	cp061667.zip	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	2024.09.00	1.14.2.0-1OEM.702.0.0.17630552
295	Intel icen Driver for VMware vSphere 8.0	cp061668.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	2024.09.00	1.14.2.0-1OEM.800.1.0.20613240
296	Intel icen Driver for VMware vSphere 8.0	cp061668.zip	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	2024.09.00	1.14.2.0-1OEM.800.1.0.20613240
297	Intel icen Driver for VMware vSphere 8.0	cp061668.zip	Intel E810-XXVDA2 adapter	2024.09.00	1.14.2.0-1OEM.800.1.0.20613240
298	Intel icen Driver for VMware vSphere 8.0	cp061668.zip	Intel E810-XXVDA2 OCP3 adapter	2024.09.00	1.14.2.0-1OEM.800.1.0.20613240
299	Intel icen Driver for VMware vSphere 8.0	cp061668.zip	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	2024.09.00	1.14.2.0-1OEM.800.1.0.20613240
300	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp061099.exe	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	24.4.26429.0	24.4.26429.0
301	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp061099.exe	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	24.4.26429.0	24.4.26429.0
302	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp061099.exe	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.4.26429.0	24.4.26429.0

303	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp061099.exe	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.4.26429.0	24.4.26429.0
304	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019	cp061099.exe	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.4.26429.0	24.4.26429.0
305	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp061098.exe	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	24.4.26429.0	24.4.26429.0
306	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp061098.exe	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	24.4.26429.0	24.4.26429.0
307	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp061098.exe	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	24.4.26429.0	24.4.26429.0
308	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp061098.exe	MLX MCX631102 10/25GbE 2p SFP28 Adptr	24.4.26429.0	24.4.26429.0
309	Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022	cp061098.exe	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	24.4.26429.0	24.4.26429.0
310	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	MLX MCX631102 10/25GbE 2p SFP28 Adptr	2024.05.28	4.22.73.1006-1OEM.703.0.0.18644231
311	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	2024.05.28	4.22.73.1006-1OEM.703.0.0.18644231
312	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	2024.05.28	4.22.73.1006-1OEM.703.0.0.18644231
313	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	2024.05.28	4.22.73.1006-1OEM.703.0.0.18644231
314	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	2024.05.28	4.22.73.1006-1OEM.703.0.0.18644231
315	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	2024.05.28	4.22.73.1006-1OEM.703.0.0.18644231
316	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	2024.05.28	4.22.73.1006-1OEM.703.0.0.18644231
317	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	2024.05.28	4.22.73.1006-1OEM.703.0.0.18644231
318	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	2024.05.28	4.22.73.1006-1OEM.703.0.0.18644231
319	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16	2024.05.28	4.22.73.1006-1OEM.703.0.0.18644231

			Adapter		
320	Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3	cp061484.zip	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	2024.05.28	4.22.73.1006-1OEM.703.0.0.18644231
321	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	MLX MCX631102 10/25GbE 2p SFP28 Adptr	2023.09.20	4.25.0.703-1OEM.703.0.0.18644231
322	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	2023.09.20	4.25.0.703-1OEM.703.0.0.18644231
323	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	2023.09.20	4.25.0.703-1OEM.703.0.0.18644231
324	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	2023.09.20	4.25.0.703-1OEM.703.0.0.18644231
325	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	2023.09.20	4.25.0.703-1OEM.703.0.0.18644231
326	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	2023.09.20	4.25.0.703-1OEM.703.0.0.18644231
327	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	2023.09.20	4.25.0.703-1OEM.703.0.0.18644231
328	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	2023.09.20	4.25.0.703-1OEM.703.0.0.18644231
329	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	2023.09.20	4.25.0.703-1OEM.703.0.0.18644231
330	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	2023.09.20	4.25.0.703-1OEM.703.0.0.18644231
331	net-mst kernel module driver component for VMware ESXi 7.0 Update 3	cp058585.zip	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	2023.09.20	4.25.0.703-1OEM.703.0.0.18644231

6.2.5 Driver - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
332	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.726.04.00_rhel8u9-1.x86_64.rpm	Broadcom MR416i-p Cntrl for HPE Gen10+	07.726.04.00	07.726.04.00_rhel8u9-1
333	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.726.04.00_rhel8u9-1.x86_64.rpm	Broadcom MR216i-p Cntrl for HPE Gen10+	07.726.04.00	07.726.04.00_rhel8u9-1
334	HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 8	kmod-megaraid_sas-07.726.04.00_rhel8u9-1.x86_64.rpm	Broadcom MR416i-a Cntrl for HPE Gen10+	07.726.04.00	07.726.04.00_rhel8u9-1
335	HPE MR416i-p, MR216i-p, MR416i-a,	kmod-megaraid_sas-	Broadcom MR216i-	07.726.04.00	07.726.04.00_

	MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 8	07.726.04.00_rhel8u9-1.x86_64.rpm	a Cntrl for HPE Gen10+		rhel8u9-1
336	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 7.0	cp057482.zip	Broadcom MR416i-p Cntrl for HPE Gen10+	2023.12.01	7.726.02.00-1OEM.700.1.0.15843807
337	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 7.0	cp057482.zip	Broadcom MR416i-a Cntrl for HPE Gen10+	2023.12.01	7.726.02.00-1OEM.700.1.0.15843807
338	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 7.0	cp057482.zip	Broadcom MR216i-p Cntrl for HPE Gen10+	2023.12.01	7.726.02.00-1OEM.700.1.0.15843807
339	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 7.0	cp057482.zip	Broadcom MR216i-a Cntrl for HPE Gen10+	2023.12.01	7.726.02.00-1OEM.700.1.0.15843807
340	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0	cp057484.zip	Broadcom MR416i-p Cntrl for HPE Gen10+	2023.12.01	7.726.02.00-1OEM.800.1.0.20613240
341	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0	cp057484.zip	Broadcom MR416i-a Cntrl for HPE Gen10+	2023.12.01	7.726.02.00-1OEM.800.1.0.20613240
342	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0	cp057484.zip	Broadcom MR216i-p Cntrl for HPE Gen10+	2023.12.01	7.726.02.00-1OEM.800.1.0.20613240
343	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0	cp057484.zip	Broadcom MR216i-a Cntrl for HPE Gen10+	2023.12.01	7.726.02.00-1OEM.800.1.0.20613240
344	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller Driver for Microsoft Windows 2019 edition	cp057467.exe	Broadcom MR416i-p Cntrl for HPE Gen10+	7.726.1.0	7.726.1.0
345	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller Driver for Microsoft Windows 2019 edition	cp057467.exe	Broadcom MR416i-a Cntrl for HPE Gen10+	7.726.1.0	7.726.1.0
346	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller Driver for Microsoft Windows 2019 edition	cp057467.exe	Broadcom MR216i-p Cntrl for HPE Gen10+	7.726.1.0	7.726.1.0
347	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller Driver for Microsoft Windows 2019 edition	cp057467.exe	Broadcom MR216i-a Cntrl for HPE Gen10+	7.726.1.0	7.726.1.0
348	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller driver for Microsoft Windows 2022 edition	cp057468.exe	Broadcom MR416i-p Cntrl for HPE Gen10+	7.726.1.0	7.726.1.0
349	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller driver for Microsoft Windows 2022 edition	cp057468.exe	Broadcom MR416i-a Cntrl for HPE Gen10+	7.726.1.0	7.726.1.0
350	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller driver for Microsoft Windows 2022 edition	cp057468.exe	Broadcom MR216i-p Cntrl for HPE Gen10+	7.726.1.0	7.726.1.0
351	HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and	cp057468.exe	Broadcom MR216i-a Cntrl for HPE	7.726.1.0	7.726.1.0

	Gen11 controller driver for Microsoft Windows 2022 edition		Gen10+		
352	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp059501.zip	HPE Smart Array P408i-a SR Gen10 Controller	2024.10.01	70.4672.0.104 - 1OEM.700.1.0 .15843807
353	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp059501.zip	HPE Smart Array P408i-p SR Gen10 Controller	2024.10.01	70.4672.0.104 - 1OEM.700.1.0 .15843807
354	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp059501.zip	HPE Smart Array P816i-a SR Gen10 Controller	2024.10.01	70.4672.0.104 - 1OEM.700.1.0 .15843807
355	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp059501.zip	HPE Smart Array E208e-p SR Gen10 Controller	2024.10.01	70.4672.0.104 - 1OEM.700.1.0 .15843807
356	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp059501.zip	HPE Smart Array E208i-a SR Gen10 Controller	2024.10.01	70.4672.0.104 - 1OEM.700.1.0 .15843807
357	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp059501.zip	HPE Smart Array E208i-p SR Gen10 Controller	2024.10.01	70.4672.0.104 - 1OEM.700.1.0 .15843807
358	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp059501.zip	Microchip SR932i-p Cntrl for HPE Gen10+	2024.10.01	70.4672.0.104 - 1OEM.700.1.0 .15843807
359	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).	cp059501.zip	Microchip SR416i-a Cntrl for HPE Gen10+	2024.10.01	70.4672.0.104 - 1OEM.700.1.0 .15843807
360	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp059502.zip	HPE Smart Array E208e-p SR Gen10 Controller	2024.10.01	80.4672.0.104 - 1OEM.800.1.0 .20613240
361	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp059502.zip	Microchip SR416i-a Cntrl for HPE Gen10+	2024.10.01	80.4672.0.104 - 1OEM.800.1.0 .20613240
362	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp059502.zip	Microchip SR932i-p Cntrl for HPE Gen10+	2024.10.01	80.4672.0.104 - 1OEM.800.1.0 .20613240
363	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp059502.zip	HPE Smart Array P816i-a SR Gen10 Controller	2024.10.01	80.4672.0.104 - 1OEM.800.1.0 .20613240
364	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp059502.zip	HPE Smart Array P408i-a SR Gen10 Controller	2024.10.01	80.4672.0.104 - 1OEM.800.1.0 .20613240
365	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp059502.zip	HPE Smart Array P408i-p SR Gen10 Controller	2024.10.01	80.4672.0.104 - 1OEM.800.1.0 .20613240
366	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp059502.zip	HPE Smart Array E208i-a SR Gen10 Controller	2024.10.01	80.4672.0.104 - 1OEM.800.1.0 .20613240
367	HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).	cp059502.zip	HPE Smart Array E208i-p SR Gen10 Controller	2024.10.01	80.4672.0.104 - 1OEM.800.1.0 .20613240

368	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.30-031.rhel8u9.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	2.1.30-031	2.1.30-031.rhel8u9
369	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.30-031.rhel8u9.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	2.1.30-031	2.1.30-031.rhel8u9
370	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.30-031.rhel8u9.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	2.1.30-031	2.1.30-031.rhel8u9
371	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.30-031.rhel8u9.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	2.1.30-031	2.1.30-031.rhel8u9
372	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.30-031.rhel8u9.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	2.1.30-031	2.1.30-031.rhel8u9
373	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.30-031.rhel8u9.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	2.1.30-031	2.1.30-031.rhel8u9
374	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.30-031.rhel8u9.x86_64.rpm	Microchip SR932i-p Cntrl for HPE Gen10+	2.1.30-031	2.1.30-031.rhel8u9
375	HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)	kmod-smartpqi-2.1.30-031.rhel8u9.x86_64.rpm	Microchip SR416i-a Cntrl for HPE Gen10+	2.1.30-031	2.1.30-031.rhel8u9
376	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019 and Windows Server 2022	cp059500.exe	HPE Smart Array P408i-a SR Gen10 Controller	1010.108.0.1015	1010.108.0.1015
377	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019 and Windows Server 2022	cp059500.exe	HPE Smart Array P408i-p SR Gen10 Controller	1010.108.0.1015	1010.108.0.1015
378	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019 and Windows Server 2022	cp059500.exe	HPE Smart Array P816i-a SR Gen10 Controller	1010.108.0.1015	1010.108.0.1015
379	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019 and Windows Server 2022	cp059500.exe	HPE Smart Array E208e-p SR Gen10 Controller	1010.108.0.1015	1010.108.0.1015
380	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019 and Windows Server 2022	cp059500.exe	HPE Smart Array E208i-a SR Gen10 Controller	1010.108.0.1015	1010.108.0.1015
381	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019 and Windows Server 2022	cp059500.exe	HPE Smart Array E208i-p SR Gen10 Controller	1010.108.0.1015	1010.108.0.1015
382	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019 and Windows Server 2022	cp059500.exe	Microchip SR932i-p Cntrl for HPE Gen10+	1010.108.0.1015	1010.108.0.1015
383	HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019 and Windows Server 2022	cp059500.exe	Microchip SR416i-a Cntrl for HPE Gen10+	1010.108.0.1015	1010.108.0.1015

6.2.6 Driver - Storage Fibre Channel and Fibre Channel over Ethernet

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
384	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp061881.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
385	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp061881.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
386	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp061881.exe	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
387	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp061881.exe	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
388	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp061881.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
389	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019	cp061881.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
390	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp061882.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
391	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp061882.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
392	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp061882.exe	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
393	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp061882.exe	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
394	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp061882.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
395	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022	cp061882.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
396	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025	cp061972.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
397	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025	cp061972.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
398	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025	cp061972.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.313.0	14.4.313.0
399	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver	cp061972.exe	HPE SN1610E 32Gb 2-port Fibre	14.4.313.0	14.4.313.0

	for Microsoft Windows Server 2025		Channel Host Bus Adapter		
400	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp059850.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
401	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp059850.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
402	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp059850.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
403	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp059850.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
404	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp059850.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
405	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019	cp059850.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
406	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp059851.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
407	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp059851.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
408	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp059851.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
409	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp059851.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
410	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp059851.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
411	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022	cp059851.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
412	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025	cp061916.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
413	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025	cp061916.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
414	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025	cp061916.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20
415	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025	cp061916.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	9.4.10.20	9.4.10.20

416	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
417	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
418	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
419	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
420	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
421	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters	kmod-elx-lpfc-14.4.329.9-1.rhel8u9.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.329.9	14.4.329.9-1.rhel8u9
422	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.12.01_k1-1.rhel8u9.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	10.02.12.01-k1	10.02.12.01_k1-1.rhel8u9
423	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.12.01_k1-1.rhel8u9.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	10.02.12.01-k1	10.02.12.01_k1-1.rhel8u9
424	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.12.01_k1-1.rhel8u9.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	10.02.12.01-k1	10.02.12.01_k1-1.rhel8u9
425	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.12.01_k1-1.rhel8u9.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	10.02.12.01-k1	10.02.12.01_k1-1.rhel8u9
426	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.12.01_k1-1.rhel8u9.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	10.02.12.01-k1	10.02.12.01_k1-1.rhel8u9
427	Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters	kmod-qlgc-qla2xxx-10.02.12.01_k1-1.rhel8u9.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	10.02.12.01-k1	10.02.12.01_k1-1.rhel8u9

6.2.7 Driver - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
428	iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2016 and 2019	cp060559.exe	-	4.7.1.0 (E)	4.7.1.0
429	iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2022	cp062281.exe	-	4.7.1.0 (F)	4.7.1.0
430	iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2025	cp061731.exe	-	4.7.2.0	4.7.2.0
431	iLO 5 Channel Interface Driver for Microsoft Windows Server 2016 and 2019	cp060558.exe	-	4.7.1.0 (E)	4.7.1.0
432	iLO 5 Channel Interface Driver for	cp062272.exe	-	4.7.1.0 (F)	4.7.1.0

	Microsoft Windows Server 2022				
433	iLO 5 Channel Interface Driver for Microsoft Windows Server 2025	cp061730.exe	-	4.7.2.0	4.7.2.0

6.2.8 Driver – Video

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
434	Matrox G200eH3 Video Controller Driver for Microsoft Windows 64-bit	cp062504.exe	-	9.15.1.268	9.15.1.268

6.2.9 Firmware - Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
435	Language Pack - Japanese	cp062936.exe	-	3.07	3.07.03
436	Language Pack - Japanese	firmware-ilo5-lpk-ja-ri11-3.07-1.1.x86_64.rpm	-	3.07	3.07.03
437	Online ROM Flash Component for Linux - iLO 5	firmware-ilo5-3.08-1.1.x86_64.rpm	-	3.08	3.08 Sep 12 2024
438	Online ROM Flash Component for Windows x64 - iLO 5	cp062786.exe	-	3.08	3.08 Sep 12 2024
439	Online ROM Flash Firmware Package - iLO 5	ilo5_308.fwpkg	-	3.08	3.08 Sep 12 2024

6.2.10 Firmware – Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
440	Broadcom Firmware Package for BCM5741x adapters	bcm230.1.123.0.pup.fwpkg	BCM 57414 10/25GbE 2p SFP28 Adptr	230.1.123.0	230.1.123.0
441	Broadcom Firmware Package for BCM5741x adapters	bcm230.1.123.0.pup.fwpkg	BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr	230.1.123.0	230.1.123.0
442	Broadcom Firmware Package for BCM5741x adapters	bcm230.1.123.0.pup.fwpkg	BCM 57416 10GbE 2p BASE-T Adptr	230.1.123.0	230.1.123.0
443	Broadcom Firmware Package for BCM5741x adapters	bcm230.1.123.0.pup.fwpkg	BCM 57416 10GbE 2p BASE-T OCP3 Adptr	230.1.123.0	230.1.123.0
444	Broadcom Firmware Package for BCM5741x adapters	bcm230.1.123.0.pup.fwpkg	BCM 57412 10GbE 2p SFP+ Adptr	230.1.123.0	230.1.123.0
445	Broadcom Firmware Package for BCM5741x adapters	bcm230.1.123.0.pup.fwpkg	BCM 57412 10GbE 2p SFP+ OCP3 Adptr	230.1.123.0	230.1.123.0
446	Broadcom Firmware Package for BCM5750x adapters	bcm230.1.123.0_Thor.pup.fwpkg	BCM 57504 10/25GbE 4p SFP28 Adptr	230.1.123.0	230.1.123.0
447	Broadcom Firmware Package for BCM5750x adapters	bcm230.1.123.0_Thor.pup.fwpkg	BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr	230.1.123.0	230.1.123.0
448	Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-open-2.38.0-1.1.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	2.38.0	20.30.41
449	Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-open-2.38.0-1.1.x86_64.rpm	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	2.38.0	20.30.41
450	Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-bcm-open-2.38.0-1.1.x86_64.rpm	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	2.38.0	20.30.41

451	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP062085.zip	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	1.39.0	20.30.41
452	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP062085.zip	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	1.39.0	20.30.41
453	Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP062085.zip	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	1.39.0	20.30.41
454	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp062082.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE	5.4.2.0	20.30.41
455	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp062082.exe	Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE	5.4.2.0	20.30.41
456	Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp062082.exe	Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE	5.4.2.0	20.30.41
457	HPE Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen10 server series Only.	firmware-nic-bcm-2.38.0-1.1.x86_64.rpm	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	2.38.0	20.30.41
458	HPE Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen10 server series Only.	firmware-nic-bcm-2.38.0-1.1.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	2.38.0	20.30.41
459	HPE Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen10 server series Only.	firmware-nic-bcm-2.38.0-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	2.38.0	20.30.41
460	HPE Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen10 server series Only.	firmware-nic-bcm-2.38.0-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	2.38.0	20.30.41
461	HPE Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen10 server series Only.	firmware-nic-bcm-2.38.0-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	2.38.0	20.30.41
462	HPE Broadcom NX1 Online Firmware Upgrade Utility VMware for HPE ProLiant Gen10 server series Only.	CP062096.zip	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	1.39.0	20.30.41
463	HPE Broadcom NX1 Online Firmware Upgrade Utility VMware for HPE ProLiant Gen10 server series Only.	CP062096.zip	HP Ethernet 1Gb 2-port 332T Adapter	1.39.0	20.30.41
464	HPE Broadcom NX1 Online Firmware Upgrade Utility VMware for HPE ProLiant Gen10 server series Only.	CP062096.zip	HP Ethernet 1Gb 4-port 331FLR Adapter	1.39.0	20.30.41
465	HPE Broadcom NX1 Online Firmware Upgrade Utility VMware for HPE ProLiant Gen10 server series Only.	CP062096.zip	HP Ethernet 1Gb 4-port 331T Adapter	1.39.0	20.30.41
466	HPE Broadcom NX1 Online Firmware Upgrade Utility VMware for HPE ProLiant Gen10 server series Only.	CP062096.zip	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	1.39.0	20.30.41
467	HPE Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions for HPE ProLiant Gen10 server series Only	cp062097.exe	HP Ethernet 1Gb 2-port 332i Adapter (22E8)	5.4.2.0	20.30.41
468	HPE Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions for HPE ProLiant Gen10 server series Only	cp062097.exe	HP Ethernet 1Gb 2-port 332T Adapter	5.4.2.0	20.30.41

469	HPE Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions for HPE ProLiant Gen10 server series Only	cp062097.exe	HP Ethernet 1Gb 4-port 331FLR Adapter	5.4.2.0	20.30.41
470	HPE Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions for HPE ProLiant Gen10 server series Only	cp062097.exe	HP Ethernet 1Gb 4-port 331T Adapter	5.4.2.0	20.30.41
471	HPE Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions for HPE ProLiant Gen10 server series Only	cp062097.exe	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	5.4.2.0	20.30.41
472	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm230.1.123000.Optimized.pup.fwpkg	HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter	230.1.123000	230.1.123000
473	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm230.1.123000.Optimized.pup.fwpkg	HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter	230.1.123000	230.1.123000
474	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm230.1.123000.Optimized.pup.fwpkg	HPE Ethernet 10Gb 2-port 535FLR-T Adapter	230.1.123000	230.1.123000
475	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm230.1.123000.Optimized.pup.fwpkg	HPE Ethernet 10Gb 2-port 535T Adapter	230.1.123000	230.1.123000
476	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm230.1.123000.Optimized.pup.fwpkg	HPE Ethernet 10Gb 2-port 537SFP+ Adapter	230.1.123000	230.1.123000
477	HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters	bcm230.1.123000.Optimized.pup.fwpkg	HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter	230.1.123000	230.1.123000
478	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	1.31.0	1.3612.0
479	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 1Gb 2-port 361T Adapter	1.31.0	1.3612.0
480	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 1Gb 4-port 366FLR Adapter	1.31.0	1.3612.0
481	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 1Gb 4-port 366T Adapter	1.31.0	1.3612.0
482	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.31.0	1.3612.0
483	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	1.31.0	1.3612.0
484	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.31.0	1.3612.0
485	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	1.31.0	1.3612.0
486	HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.	firmware-nic-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 1Gb 2-port 361i Adapter	1.31.0	1.3612.0
487	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP061687.zip	HPE Ethernet 1Gb 4-port 369i Adapter	3.24.0	1.3612.0
488	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP061687.zip	HPE Ethernet 1Gb 2-port 361T Adapter	3.24.0	1.3612.0
489	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9	CP061687.zip	HPE Ethernet 1Gb 4-port 366FLR	3.24.0	1.3612.0

	and Gen10 server series Only.		Adapter		
490	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP061687.zip	HPE Ethernet 1Gb 4-port 366T Adapter	3.24.0	1.3612.0
491	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP061687.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	3.24.0	1.3612.0
492	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP061687.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	3.24.0	1.3612.0
493	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP061687.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	3.24.0	1.3612.0
494	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP061687.zip	HPE Ethernet 10Gb 2-port 562T Adapter	3.24.0	1.3612.0
495	HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.	CP061687.zip	HPE Ethernet 1Gb 2-port 361i Adapter	3.24.0	1.3612.0
496	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp061689.exe	HPE Ethernet 1Gb 4-port 369i Adapter	5.4.2.0	1.3612.0
497	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp061689.exe	HPE Ethernet 1Gb 2-port 361T Adapter	5.4.2.0	1.3612.0
498	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp061689.exe	HPE Ethernet 1Gb 4-port 366FLR Adapter	5.4.2.0	1.3612.0
499	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp061689.exe	HPE Ethernet 1Gb 4-port 366T Adapter	5.4.2.0	1.3612.0
500	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp061689.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	5.4.2.0	1.3612.0
501	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp061689.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.4.2.0	1.3612.0
502	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp061689.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	5.4.2.0	1.3612.0
503	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp061689.exe	HPE Ethernet 10Gb 2-port 562T Adapter	5.4.2.0	1.3612.0
504	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.	cp061689.exe	HPE Ethernet 1Gb 2-port 361i Adapter	5.4.2.0	1.3612.0
505	HPE QLogic FastLinQ Firmware Package for Arrowhead adapters	ql_hp_ah_mbi_8.65.14_pldm.fwpkg	HPE Ethernet 10Gb 2-port 521T Adapter	8.65.14	8.65.14
506	HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-nx2-2.35.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	2.35.0	7.19.27
507	HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-nx2-2.35.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 530T Adapter	2.35.0	7.19.27
508	HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-nx2-2.35.0-	HPE FlexFabric 10Gb 2-port	2.35.0	7.19.27

		1.1.x86_64.rpm	533FLR-T Adapter		
509	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP061753.zip	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	1.35.0	7.19.27
510	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP061753.zip	HPE Ethernet 10Gb 2-port 530T Adapter	1.35.0	7.19.27
511	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP061753.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	1.35.0	7.19.27
512	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp061754.exe	HPE Ethernet 10Gb 2-port 530SFP+ Adapter	5.3.7.0	7.19.27
513	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp061754.exe	HPE Ethernet 10Gb 2-port 530T Adapter	5.3.7.0	7.19.27
514	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp061754.exe	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	5.3.7.0	7.19.27
515	Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter	HPE_E810_CQDA2_4p50_PLDMoMCTP_8001D8B6.fwpkg	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE	4.50	4.50
516	Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter	HPE_E810_CQDA2_OCP_4p50_NCSIwPLDMoMCTP_8001D8BC.fwpkg	Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE	4.50	4.50
517	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter	HPE_E810_XXVDA2_SD_4p50_PLDMoMCTP_8001D8BA.fwpkg	Intel E810-XXVDA2 adapter	4.50	4.50
518	Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter	HPE_E810_XXVDA2_SD_OCP_4p50_NCSIwPLDMoMCTP_8001D8B3.fwpkg	Intel E810-XXVDA2 OCP3 adapter	4.50	4.50
519	Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter	HPE_E810_XXVDA4_FH_4p50_PLDMoMCTP_8001D8B5.fwpkg	Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE	4.50	4.50
520	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	1.31.0	1.3602.0
521	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.31.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	1.31.0	1.3602.0
522	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.31.0-1.1.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	1.31.0	1.3602.0
523	Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-is-intel-1.31.0-1.1.x86_64.rpm	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	1.31.0	1.3602.0
524	Intel Online Firmware Upgrade Utility for VMware	CP061688.zip	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	3.24.0	1.3602.0
525	Intel Online Firmware Upgrade Utility for VMware	CP061688.zip	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	3.24.0	1.3602.0
526	Intel Online Firmware Upgrade Utility for VMware	CP061688.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	3.24.0	1.3602.0
527	Intel Online Firmware Upgrade Utility for VMware	CP061688.zip	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	3.24.0	1.3602.0

528	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp061690.exe	HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter	5.4.2.0	1.3602.0
529	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp061690.exe	HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	5.4.2.0	1.3602.0
530	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp061690.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE	5.4.2.0	1.3602.0
531	Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp061690.exe	Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE	5.4.2.0	1.3602.0
532	Mellanox Firmware Package (FWPKG) - Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	26_41_1000-MCX631102AS-ADA_Ax.pldm.fwpkg	MLX MCX631102 10/25GbE 2p SFP28 Adptr	26.41.1000	26.41.1000
533	Mellanox Firmware Package (FWPKG) - Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	26_41_1000-MCX631432AS-ADA_Ax.pldm.fwpkg	MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr	26.41.1000	26.41.1000
534	Mellanox Firmware Package (FWPKG) for HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter : HPE part numbers P31246-B21 and P31246-H21	16_35_4030-MCX515A-CCA_HPE_Ax.pldm.fwpkg	HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr	16.35.4030	16.35.4030
535	Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter : HPE part numbers P23666-B21 and P23666-H21	20_41_1000-MCX653106A-ECA_HPE_Ax.pldm.fwpkg	HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr	20.41.1000	20.41.1000
536	Mellanox Firmware Package (FWPKG) for Mellanox MCX562A-ACAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	16_35_3502-MCX562A-ACA_Ax_Bx.pldm.fwpkg	HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 Adapter	16.35.3502	16.35.3502
537	Mellanox Firmware Package (FWPKG) for Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	22_41_1000-MCX623106AS-CDA_Ax.pldm.fwpkg	HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter	22.41.1000	22.41.1000
538	Mellanox Firmware Package(FWPKG) for HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter	16_35_3502-MCX512F-ACH_Ax_Bx.pldm.fwpkg	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACAT Adapter	16.35.3502	16.35.3502
539	Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox Ethernet only adapters	CP061399.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.8	16.35.3502
540	Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox Ethernet only adapters	CP061399.zip	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.8	16.35.3502
541	Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 7.0	CP062766.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.7	12.28.2006
542	Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 7.0	CP062578.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.8	20.41.1000
543	Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox Ethernet only adapters	CP061398.zip	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.4	16.35.3502
544	Online Firmware Upgrade Utility (ESXi	CP061398.zip	HPE Ethernet 25Gb	1.0.4	16.35.3502

	8.0) for HPE Mellanox Ethernet only adapters		2-port 640SFP28 Adapter		
545	Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 8.0	CP062767.zip	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.3	12.28.2006
546	Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 8.0	CP060998.zip	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.4	20.41.1000
547	Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox Ethernet only adapters	firmware-nic-mellanox-ethernet-only-1.0.21-1.1.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.21	16.35.3502
548	Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox Ethernet only adapters	firmware-nic-mellanox-ethernet-only-1.0.21-1.1.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.21	16.35.3502
549	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-connectx4-1.0.16-1.1.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.16	12.28.2006
550	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-1.0.14-1.1.x86_64.rpm	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.14	20.41.1000
551	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox Ethernet only adapters	cp062830.exe	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.0.21 (A)	16.35.3502
552	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox Ethernet only adapters	cp062830.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.0.21 (A)	16.35.3502
553	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on Windows x86_64 platform	cp062768.exe	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.0.15	12.28.2006
554	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on Windows x86_64 platform	cp062577.exe	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	1.0.0.10	20.41.1000

6.2.11 Firmware - PCIe NVMe Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
555	Online NVMe SSD Flash Component for Linux (x64) - EO000400KYDKV and EO000800KYDLA Drives	firmware-hdd-6758a46eb7-HPK4-4.1.x86_64.rpm	EO000800KYDLA	HPK4 (D)	HPK4
556	Online NVMe SSD Flash Component for Linux (x64) - EO000400KYDKV and EO000800KYDLA Drives	firmware-hdd-6758a46eb7-HPK4-4.1.x86_64.rpm	EO000400KYDKV	HPK4 (D)	HPK4
557	Online NVMe SSD Flash Component for Linux (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	firmware-hdd-c4355d15c4-4ICSHPK4-10.1.x86_64.rpm	ET000750KWJTF	4ICSHPK4 (J)	4ICSHPK4
558	Online NVMe SSD Flash Component for Linux (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	firmware-hdd-c4355d15c4-4ICSHPK4-10.1.x86_64.rpm	EO000375KWJUC	4ICSHPK4 (J)	4ICSHPK4
559	Online NVMe SSD Flash Component for Linux (x64) - ET000750KWJTF, EO000750KWTXC and	firmware-hdd-c4355d15c4-4ICSHPK4-10.1.x86_64.rpm	EO000750KWTXC	4ICSHPK4 (J)	4ICSHPK4

	EO000375KWJUC Drives				
560	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-4.1.x86_64.rpm	KCD6XLUL7T68	GPK7 (D)	GPK7
561	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-4.1.x86_64.rpm	KCD6XVUL6T40	GPK7 (D)	GPK7
562	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-4.1.x86_64.rpm	KCD6XVUL1T60	GPK7 (D)	GPK7
563	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-4.1.x86_64.rpm	KCD6XVUL800G	GPK7 (D)	GPK7
564	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-4.1.x86_64.rpm	KCD6XVUL3T20	GPK7 (D)	GPK7
565	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-4.1.x86_64.rpm	KCD6XLUL960G	GPK7 (D)	GPK7
566	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-4.1.x86_64.rpm	KCD6XLUL1T92	GPK7 (D)	GPK7
567	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-4.1.x86_64.rpm	KCD6XLUL3T84	GPK7 (D)	GPK7
568	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	firmware-hdd-6fc985bd3b-GPK7-4.1.x86_64.rpm	KCD6XVUL12T8	GPK7 (D)	GPK7
569	Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G,	firmware-hdd-6fc985bd3b-GPK7-	KCD6XLUL15T3	GPK7 (D)	GPK7

	KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	4.1.x86_64.rpm			
570	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd-1a541ed00d-GPK5-4.1.x86_64.rpm	KCM6FRUL1T92	GPK5 (D)	GPK5
571	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd-1a541ed00d-GPK5-4.1.x86_64.rpm	KCM6FRUL3T84	GPK5 (D)	GPK5
572	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd-1a541ed00d-GPK5-4.1.x86_64.rpm	KCM6FVUL3T20	GPK5 (D)	GPK5
573	Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	firmware-hdd-1a541ed00d-GPK5-4.1.x86_64.rpm	KCM6FVUL1T60	GPK5 (D)	GPK5
574	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-4.1.x86_64.rpm	KCM6XRUL960G	GPK7 (D)	GPK7
575	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-4.1.x86_64.rpm	KCM6XRUL7T68	GPK7 (D)	GPK7
576	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-4.1.x86_64.rpm	KCM6XRUL1T92	GPK7 (D)	GPK7
577	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-4.1.x86_64.rpm	KCM6XVUL3T20	GPK7 (D)	GPK7
578	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-4.1.x86_64.rpm	KCM6XRUL3T84	GPK7 (D)	GPK7
579	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-4.1.x86_64.rpm	KCM6XVUL800G	GPK7 (D)	GPK7
580	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	firmware-hdd-3815d4b024-GPK7-4.1.x86_64.rpm	KCM6XVUL6T40	GPK7 (D)	GPK7
581	Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20,	firmware-hdd-3815d4b024-GPK7-4.1.x86_64.rpm	KCM6XVUL1T60	GPK7 (D)	GPK7

	KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives				
582	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-12.1.x86_64.rpm	VK007680KWWFQ	HPK3 (L)	HPK3
583	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-12.1.x86_64.rpm	MK006400KWWFK	HPK3 (L)	HPK3
584	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-12.1.x86_64.rpm	VK003840KWWFP	HPK3 (L)	HPK3
585	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-12.1.x86_64.rpm	MK003200KWWFH	HPK3 (L)	HPK3
586	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-12.1.x86_64.rpm	VK001920KWWFN	HPK3 (L)	HPK3
587	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-12.1.x86_64.rpm	MK001600KWWFF	HPK3 (L)	HPK3
588	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	firmware-hdd-54addf5312-HPK3-12.1.x86_64.rpm	VK000960KWWFL	HPK3 (L)	HPK3
589	Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP	firmware-hdd-54addf5312-HPK3-12.1.x86_64.rpm	MK00800KWWFE	HPK3 (L)	HPK3

	and VK007680KWWFQ Drives				
590	Online NVMe SSD Flash Component for Linux (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd-cea219e4b1-HPK3-8.1.x86_64.rpm	MO006400KWVND	HPK3 (H)	HPK3
591	Online NVMe SSD Flash Component for Linux (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd-cea219e4b1-HPK3-8.1.x86_64.rpm	MO003200KWVNC	HPK3 (H)	HPK3
592	Online NVMe SSD Flash Component for Linux (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd-cea219e4b1-HPK3-8.1.x86_64.rpm	MO001600KWVNB	HPK3 (H)	HPK3
593	Online NVMe SSD Flash Component for Linux (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd-cea219e4b1-HPK3-8.1.x86_64.rpm	MT001600KWSTB	HPK3 (H)	HPK3
594	Online NVMe SSD Flash Component for Linux (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd-cea219e4b1-HPK3-8.1.x86_64.rpm	MT003200KWSTC	HPK3 (H)	HPK3
595	Online NVMe SSD Flash Component for Linux (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	firmware-hdd-cea219e4b1-HPK3-8.1.x86_64.rpm	MT006400KWSTD	HPK3 (H)	HPK3
596	Online NVMe SSD Flash Component for Linux (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	firmware-hdd-6628fce235-EPK76H3Q-5.1.x86_64.rpm	MZPLJ6T4HALA-000H3	EPK76H3Q (E)	EPK76H3Q
597	Online NVMe SSD Flash Component for Linux (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	firmware-hdd-6628fce235-EPK76H3Q-5.1.x86_64.rpm	MZPLJ3T2HBJR-000H3	EPK76H3Q (E)	EPK76H3Q
598	Online NVMe SSD Flash Component for Linux (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	firmware-hdd-6628fce235-EPK76H3Q-5.1.x86_64.rpm	MZPLJ1T6HBJR-000H3	EPK76H3Q (E)	EPK76H3Q
599	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-MPK78H5Q-1.1.x86_64.rpm	MZXL515THALA-000H3	MPK78H5Q	MPK78H5Q
600	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3,	firmware-hdd-e320db791d-MPK78H5Q-1.1.x86_64.rpm	MZXL512THALA-000H3	MPK78H5Q	MPK78H5Q

	MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv				
601	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-MPK78H5Q-1.1.x86_64.rpm	MZXL57T6HALA-000H3	MPK78H5Q	MPK78H5Q
602	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-MPK78H5Q-1.1.x86_64.rpm	MZXL56T4HALA-000H3	MPK78H5Q	MPK78H5Q
603	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-MPK78H5Q-1.1.x86_64.rpm	MZXL53T8HBLS-000H3	MPK78H5Q	MPK78H5Q
604	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-MPK78H5Q-1.1.x86_64.rpm	MZXL53T2HBLS-000H3	MPK78H5Q	MPK78H5Q
605	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-MPK78H5Q-1.1.x86_64.rpm	MZXL51T9HBJR-000H3	MPK78H5Q	MPK78H5Q
606	Online NVMe SSD Flash Component for Linux (x64) - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3, MZXL56T4HALA-000H3, MZXL512THALA-000H3,	firmware-hdd-e320db791d-MPK78H5Q-1.1.x86_64.rpm	MZXL51T6HBJR-000H3	MPK78H5Q	MPK78H5Q

	MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv				
607	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-MPK78H5Q-1.1.x86_64.rpm	MZXL5960HBHQ-000H3	MPK78H5Q	MPK78H5Q
608	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-MPK78H5Q-1.1.x86_64.rpm	MZXL5800HBHQ-000H3	MPK78H5Q	MPK78H5Q
609	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK3-1.1.x86_64.rpm	VO000960KWUEA	HPK3	HPK3
610	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK3-1.1.x86_64.rpm	VO001920KWUEB	HPK3	HPK3
611	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK3-1.1.x86_64.rpm	VO003840KWUEC	HPK3	HPK3
612	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK3-1.1.x86_64.rpm	VO007680KWUED	HPK3	HPK3
613	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and	firmware-hdd-726d5ec795-HPK3-1.1.x86_64.rpm	VO015360KWUEE	HPK3	HPK3

	MO006400KWUDV Drives				
614	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK3-1.1.x86_64.rpm	MO000800KWUDR	HPK3	HPK3
615	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK3-1.1.x86_64.rpm	MO001600KWUDT	HPK3	HPK3
616	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK3-1.1.x86_64.rpm	MO003200KWUDU	HPK3	HPK3
617	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	firmware-hdd-726d5ec795-HPK3-1.1.x86_64.rpm	MO006400KWUDV	HPK3	HPK3
618	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	firmware-hdd-a9843986b0-HPK3-1.1.x86_64.rpm	VO000960KWVBR	HPK3	HPK3
619	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	firmware-hdd-a9843986b0-HPK3-1.1.x86_64.rpm	VO003840KWVBU	HPK3	HPK3
620	Online NVMe SSD Flash Component for Linux (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	firmware-hdd-a9843986b0-HPK3-1.1.x86_64.rpm	VO001920KWVBT	HPK3	HPK3
621	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-6.1.x86_64.rpm	VO000960KXAVL	HPK5 (F)	HPK5
622	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-6.1.x86_64.rpm	MO000800KXAVN	HPK5 (F)	HPK5
623	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-6.1.x86_64.rpm	MO001600KXAVT	HPK5 (F)	HPK5
624	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ,	firmware-hdd-035a863453-HPK5-6.1.x86_64.rpm	MO003200KXAVU	HPK5 (F)	HPK5

	VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives				
625	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-6.1.x86_64.rpm	MO006400KXAVV	HPK5 (F)	HPK5
626	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-6.1.x86_64.rpm	VO003840KXAVQ	HPK5 (F)	HPK5
627	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-6.1.x86_64.rpm	VO007680KXAVR	HPK5 (F)	HPK5
628	Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	firmware-hdd-035a863453-HPK5-6.1.x86_64.rpm	VO001920KXAVP	HPK5 (F)	HPK5
629	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	firmware-hdd-fe9c474847-HPK3-8.1.x86_64.rpm	VO007680KWVMV	HPK3 (H)	HPK3
630	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	firmware-hdd-fe9c474847-HPK3-8.1.x86_64.rpm	VO003840KWVMU	HPK3 (H)	HPK3
631	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	firmware-hdd-fe9c474847-HPK3-8.1.x86_64.rpm	VO001920KWVMT	HPK3 (H)	HPK3
632	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	firmware-hdd-2af7385a1e-HPK7-4.1.x86_64.rpm	VO003840KWZQT	HPK7 (D)	HPK7
633	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	firmware-hdd-2af7385a1e-HPK7-4.1.x86_64.rpm	VO001920KWZQR	HPK7 (D)	HPK7
634	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	firmware-hdd-2af7385a1e-HPK7-4.1.x86_64.rpm	MO001600KWZQP	HPK7 (D)	HPK7
635	Online NVMe SSD Flash Component for Linux (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	firmware-hdd-2af7385a1e-HPK7-4.1.x86_64.rpm	MO003200KWZQQ	HPK7 (D)	HPK7
636	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK5-3.1.x86_64.rpm	MO001600KYDMU	HPK5 (C)	HPK5
637	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU,	firmware-hdd-a27c95663d-HPK5-3.1.x86_64.rpm	MO006400KYDND	HPK5 (C)	HPK5

	MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives				
638	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK5-3.1.x86_64.rpm	VO015360KYDNB	HPK5 (C)	HPK5
639	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK5-3.1.x86_64.rpm	VO007680KYDNA	HPK5 (C)	HPK5
640	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK5-3.1.x86_64.rpm	MO003200KYDNC	HPK5 (C)	HPK5
641	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK5-3.1.x86_64.rpm	VO001920KYDMT	HPK5 (C)	HPK5
642	Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	firmware-hdd-a27c95663d-HPK5-3.1.x86_64.rpm	VO003840KYDMV	HPK5 (C)	HPK5
643	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	firmware-hdd-92d876cfea-4ICRHPK3-10.1.x86_64.rpm	VO002000KWVVC	4ICRHPK3 (J)	4ICRHPK3
644	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	firmware-hdd-92d876cfea-4ICRHPK3-10.1.x86_64.rpm	VO004000KWVUR	4ICRHPK3 (J)	4ICRHPK3
645	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	firmware-hdd-92d876cfea-4ICRHPK3-10.1.x86_64.rpm	MO001600KWVUU	4ICRHPK3 (J)	4ICRHPK3
646	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	firmware-hdd-92d876cfea-4ICRHPK3-10.1.x86_64.rpm	MO003200KWVUV	4ICRHPK3 (J)	4ICRHPK3
647	Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU,	firmware-hdd-92d876cfea-4ICRHPK3-10.1.x86_64.rpm	MO006400KWVVA	4ICRHPK3 (J)	4ICRHPK3

	MO003200KWVUV and MO006400KWVVA Drives				
648	Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives	firmware-hdd-805abb7e9c-85032G00-7.1.x86_64.rpm	VS003840KWXFQ	85032G00 (G)	85032G00
649	Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives	firmware-hdd-805abb7e9c-85032G00-7.1.x86_64.rpm	VS001920KWXFP	85032G00 (G)	85032G00
650	Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives	firmware-hdd-805abb7e9c-85032G00-7.1.x86_64.rpm	VS000960KWXFN	85032G00 (G)	85032G00
651	Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives	firmware-hdd-805abb7e9c-85032G00-7.1.x86_64.rpm	VS000480KXALB	85032G00 (G)	85032G00
652	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-1.1.x86_64.rpm	MZXLR12THALA-000H3	MPK7825Q	MPK7825Q
653	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-1.1.x86_64.rpm	MZXLR15THALA-000H3	MPK7825Q	MPK7825Q
654	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-1.1.x86_64.rpm	MZXLR7T6HALA-000H3	MPK7825Q	MPK7825Q
655	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-1.1.x86_64.rpm	MZXLR1T6HBJR-000H3	MPK7825Q	MPK7825Q
656	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3,	firmware-hdd-951aefd63e-MPK7825Q-1.1.x86_64.rpm	MZXLR800HBHQ-000H3	MPK7825Q	MPK7825Q

	MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv				
657	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-1.1.x86_64.rpm	MZXLR3T2HBLS-000H3	MPK7825Q	MPK7825Q
658	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-1.1.x86_64.rpm	MZXLR6T4HALA-000H3	MPK7825Q	MPK7825Q
659	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-1.1.x86_64.rpm	MZXLR1T9HBJR-000H3	MPK7825Q	MPK7825Q
660	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-1.1.x86_64.rpm	MZXLR3T8HBLS-000H3	MPK7825Q	MPK7825Q
661	Online NVMe SSD Flash Component for Linux (x64) -MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H3 Driv	firmware-hdd-951aefd63e-MPK7825Q-1.1.x86_64.rpm	MZXLR960HBHQ-000H3	MPK7825Q	MPK7825Q
662	Online NVMe SSD Flash Component for VMware ESXi - EO000400KYDKV and EO000800KYDLA Drives	CP061553.zip	EO000800KYDLA	HPK4 (C)	HPK4
663	Online NVMe SSD Flash Component	CP061553.zip	EO000400KYDKV	HPK4 (C)	HPK4

	for VMware ESXi - EO000400KYDKV and EO000800KYDLA Drives				
664	Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	CP061575.zip	ET000750KWJTF	4ICSHPK4 (G)	4ICSHPK4
665	Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	CP061575.zip	EO000375KWJUC	4ICSHPK4 (G)	4ICSHPK4
666	Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	CP061575.zip	EO000750KWTXC	4ICSHPK4 (G)	4ICSHPK4
667	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP061360.zip	KCD6XLUL7T68	GPK7 (B)	GPK7
668	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP061360.zip	KCD6XVUL6T40	GPK7 (B)	GPK7
669	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP061360.zip	KCD6XVUL1T60	GPK7 (B)	GPK7
670	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP061360.zip	KCD6XVUL800G	GPK7 (B)	GPK7
671	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP061360.zip	KCD6XVUL3T20	GPK7 (B)	GPK7
672	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP061360.zip	KCD6XVUL12T8	GPK7 (B)	GPK7
673	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP061360.zip	KCD6XLUL960G	GPK7 (B)	GPK7
674	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20,	CP061360.zip	KCD6XLUL1T92	GPK7 (B)	GPK7

	KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives				
675	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP061360.zip	KCD6XLUL3T84	GPK7 (B)	GPK7
676	Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	CP061360.zip	KCD6XLUL15T3	GPK7 (B)	GPK7
677	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP061342.zip	KCM6FRUL1T92	GPK5 (B)	GPK5
678	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP061342.zip	KCM6FRUL3T84	GPK5 (B)	GPK5
679	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP061342.zip	KCM6FVUL3T20	GPK5 (B)	GPK5
680	Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	CP061342.zip	KCM6FVUL1T60	GPK5 (B)	GPK5
681	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP061344.zip	KCM6XRUL960G	GPK7 (B)	GPK7
682	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP061344.zip	KCM6XRUL7T68	GPK7 (B)	GPK7
683	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP061344.zip	KCM6XRUL1T92	GPK7 (B)	GPK7
684	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP061344.zip	KCM6XVUL3T20	GPK7 (B)	GPK7
685	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP061344.zip	KCM6XRUL3T84	GPK7 (B)	GPK7
686	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G,	CP061344.zip	KCM6XVUL800G	GPK7 (B)	GPK7

	KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives				
687	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP061344.zip	KCM6XVUL6T40	GPK7 (B)	GPK7
688	Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	CP061344.zip	KCM6XVUL1T60	GPK7 (B)	GPK7
689	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP061567.zip	VK007680KWWFQ	HPK3 (G)	HPK3
690	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP061567.zip	MK006400KWWFK	HPK3 (G)	HPK3
691	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP061567.zip	VK003840KWWFP	HPK3 (G)	HPK3
692	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP061567.zip	MK003200KWWFH	HPK3 (G)	HPK3
693	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP061567.zip	VK001920KWWFN	HPK3 (G)	HPK3
694	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP061567.zip	MK001600KWWFF	HPK3 (G)	HPK3
695	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE,	CP061567.zip	VK000960KWWFL	HPK3 (G)	HPK3

	MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives				
696	Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	CP061567.zip	MK00800KWWFE	HPK3 (G)	HPK3
697	Online NVMe SSD Flash Component for VMware ESXi - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP061560.zip	MO006400KWVND	HPK3 (F)	HPK3
698	Online NVMe SSD Flash Component for VMware ESXi - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP061560.zip	MO003200KWVNC	HPK3 (F)	HPK3
699	Online NVMe SSD Flash Component for VMware ESXi - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP061560.zip	MO001600KWVNB	HPK3 (F)	HPK3
700	Online NVMe SSD Flash Component for VMware ESXi - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP061560.zip	MT001600KWSTB	HPK3 (F)	HPK3
701	Online NVMe SSD Flash Component for VMware ESXi - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP061560.zip	MT003200KWSTC	HPK3 (F)	HPK3
702	Online NVMe SSD Flash Component for VMware ESXi - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	CP061560.zip	MT006400KWSTD	HPK3 (F)	HPK3
703	Online NVMe SSD Flash Component for VMware ESXi - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	CP061574.zip	MZPLJ1T6HBJR-000H3	EPK76H3Q (F)	EPK76H3Q
704	Online NVMe SSD Flash Component for VMware ESXi - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	CP061574.zip	MZPLJ6T4HALA-000H3	EPK76H3Q (F)	EPK76H3Q
705	Online NVMe SSD Flash Component for VMware ESXi - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	CP061574.zip	MZPLJ3T2HBJR-000H3	EPK76H3Q (F)	EPK76H3Q
706	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3,	CP062661.zip	MZXL515THALA-000H3	MPK78H5Q	MPK78H5Q

	MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv				
707	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	CP062661.zip	MZXL512THALA-000H3	MPK78H5Q	MPK78H5Q
708	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	CP062661.zip	MZXL57T6HALA-000H3	MPK78H5Q	MPK78H5Q
709	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	CP062661.zip	MZXL56T4HALA-000H3	MPK78H5Q	MPK78H5Q
710	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	CP062661.zip	MZXL53T8HBLS-000H3	MPK78H5Q	MPK78H5Q
711	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	CP062661.zip	MZXL53T2HBLS-000H3	MPK78H5Q	MPK78H5Q
712	Online NVMe SSD Flash Component for VMware ESXi - MZXL5800HBHQ-000H3, MZXL51T6HBJR-000H3, MZXL53T2HBLS-000H3,	CP062661.zip	MZXL51T6HBJR-000H3	MPK78H5Q	MPK78H5Q

	MZXL56T4HALA-000H3, MZXL512THALA-000H3, MZXL5960HBHQ-000H3, MZXL51T9HBJR-000H3, MZXL53T8HBLS-000H3, MZXL57T6HALA-000H3 and MZXL515THALA-00H3 Driv				
713	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	CP062661.zip	MZXL5800HBHQ-000H3	MPK78H5Q	MPK78H5Q
714	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	CP062661.zip	MZXL51T9HBJR-000H3	MPK78H5Q	MPK78H5Q
715	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	CP062661.zip	MZXL5960HBHQ-000H3	MPK78H5Q	MPK78H5Q
716	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP062662.zip	MZXLR12THALA-000H3	MPK7825Q	MPK7825Q
717	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP062662.zip	MZXLR15THALA-000H3	MPK7825Q	MPK7825Q
718	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3,	CP062662.zip	MZXLR7T6HALA-000H3	MPK7825Q	MPK7825Q

	MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv				
719	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP062662.zip	MZXLR1T6HBJR-000H3	MPK7825Q	MPK7825Q
720	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP062662.zip	MZXLR800HBHQ-000H3	MPK7825Q	MPK7825Q
721	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP062662.zip	MZXLR3T2HBLS-000H3	MPK7825Q	MPK7825Q
722	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP062662.zip	MZXLR6T4HALA-000H3	MPK7825Q	MPK7825Q
723	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP062662.zip	MZXLR1T9HBJR-000H3	MPK7825Q	MPK7825Q
724	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3,	CP062662.zip	MZXLR3T8HBLS-000H3	MPK7825Q	MPK7825Q

	MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv				
725	Online NVMe SSD Flash Component for VMware ESXi - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-000H Driv	CP062662.zip	MZXLR960HBHQ-000H3	MPK7825Q	MPK7825Q
726	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP062181.zip	VO000960KWUEA	HPK3	HPK3
727	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP062181.zip	VO001920KWUEB	HPK3	HPK3
728	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP062181.zip	VO003840KWUEC	HPK3	HPK3
729	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP062181.zip	VO007680KWUED	HPK3	HPK3
730	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP062181.zip	VO015360KWUEE	HPK3	HPK3
731	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP062181.zip	MO000800KWUDR	HPK3	HPK3

732	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP062181.zip	MO001600KWUDT	HPK3	HPK3
733	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP062181.zip	MO003200KWUDU	HPK3	HPK3
734	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	CP062181.zip	MO006400KWUDV	HPK3	HPK3
735	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	CP062184.zip	VO000960KWVBR	HPK3	HPK3
736	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	CP062184.zip	VO001920KWVBT	HPK3	HPK3
737	Online NVMe SSD Flash Component for VMware ESXi - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	CP062184.zip	VO003840KWVBU	HPK3	HPK3
738	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP061333.zip	VO000960KXAVL	HPK5 (D)	HPK5
739	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP061333.zip	MO000800KXAVN	HPK5 (D)	HPK5
740	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP061333.zip	MO001600KXAVT	HPK5 (D)	HPK5
741	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP061333.zip	MO003200KXAVU	HPK5 (D)	HPK5
742	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP061333.zip	MO006400KXAVV	HPK5 (D)	HPK5

743	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP061333.zip	VO003840KXAVQ	HPK5 (D)	HPK5
744	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP061333.zip	VO007680KXAVR	HPK5 (D)	HPK5
745	Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	CP061333.zip	VO001920KXAVP	HPK5 (D)	HPK5
746	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	CP061561.zip	VO007680KWVMV	HPK3 (F)	HPK3
747	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	CP061561.zip	VO003840KWVMU	HPK3 (F)	HPK3
748	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	CP061561.zip	VO001920KWVMT	HPK3 (F)	HPK3
749	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	CP061552.zip	VO003840KWZQT	HPK7 (C)	HPK7
750	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	CP061552.zip	VO001920KWZQR	HPK7 (C)	HPK7
751	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	CP061552.zip	MO001600KWZQP	HPK7 (C)	HPK7
752	Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	CP061552.zip	MO003200KWZQQ	HPK7 (C)	HPK7
753	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP061338.zip	VO001920KYDMT	HPK5 (B)	HPK5
754	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP061338.zip	VO003840KYDMV	HPK5 (B)	HPK5
755	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and	CP061338.zip	MO001600KYDMU	HPK5 (B)	HPK5

	VO015360KYDNB Drives				
756	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP061338.zip	MO006400KYDND	HPK5 (B)	HPK5
757	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP061338.zip	VO015360KYDNB	HPK5 (B)	HPK5
758	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP061338.zip	VO007680KYDNA	HPK5 (B)	HPK5
759	Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	CP061338.zip	MO003200KYDNC	HPK5 (B)	HPK5
760	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP061573.zip	MO006400KWVVA	4ICRHPK3 (G)	4ICRHPK3
761	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP061573.zip	VO004000KWVUR	4ICRHPK3 (G)	4ICRHPK3
762	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP061573.zip	MO003200KWVUV	4ICRHPK3 (G)	4ICRHPK3
763	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP061573.zip	VO002000KWVVC	4ICRHPK3 (G)	4ICRHPK3
764	Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	CP061573.zip	MO001600KWVUU	4ICRHPK3 (G)	4ICRHPK3
765	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWXFP and VS003840KWXFQ Drives	CP061653.zip	VS003840KWXFQ	85032G00 (D)	85032G00
766	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWXFP	CP061653.zip	VS001920KWXFP	85032G00 (D)	85032G00

	and VS003840KWXFQ Drives				
767	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWXFP and VS003840KWXFQ Drives	CP061653.zip	VS000960KWXFN	85032G00 (D)	85032G00
768	Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWXFP and VS003840KWXFQ Drives	CP061653.zip	VS000480KXALB	85032G00 (D)	85032G00
769	Online NVMe SSD Flash Component for Windows (x64) - EO000400KYDKV and EO000800KYDLA Drives	cp061543.exe	EO000800KYDLA	HPK4 (C)	HPK4
770	Online NVMe SSD Flash Component for Windows (x64) - EO000400KYDKV and EO000800KYDLA Drives	cp061543.exe	EO000400KYDKV	HPK4 (C)	HPK4
771	Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	cp061494.exe	ET000750KWJTF	4ICSHPK4 (G)	4ICSHPK4
772	Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	cp061494.exe	EO000375KWJUC	4ICSHPK4 (G)	4ICSHPK4
773	Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives	cp061494.exe	EO000750KWTXC	4ICSHPK4 (G)	4ICSHPK4
774	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp061384.exe	KCD6XLUL7T68	GPK7 (B)	GPK7
775	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp061384.exe	KCD6XVUL6T40	GPK7 (B)	GPK7
776	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp061384.exe	KCD6XVUL1T60	GPK7 (B)	GPK7
777	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp061384.exe	KCD6XVUL800G	GPK7 (B)	GPK7
778	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp061384.exe	KCD6XVUL3T20	GPK7 (B)	GPK7
779	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8,	cp061384.exe	KCD6XVUL12T8	GPK7 (B)	GPK7

	KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives				
780	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp061384.exe	KCD6XLUL960G	GPK7 (B)	GPK7
781	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp061384.exe	KCD6XLUL1T92	GPK7 (B)	GPK7
782	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp061384.exe	KCD6XLUL3T84	GPK7 (B)	GPK7
783	Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives	cp061384.exe	KCD6XLUL15T3	GPK7 (B)	GPK7
784	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp061378.exe	KCM6FRUL1T92	GPK5 (B)	GPK5
785	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp061378.exe	KCM6FRUL3T84	GPK5 (B)	GPK5
786	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp061378.exe	KCM6FVUL3T20	GPK5 (B)	GPK5
787	Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives	cp061378.exe	KCM6FVUL1T60	GPK5 (B)	GPK5
788	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp061386.exe	KCM6XRUL960G	GPK7 (B)	GPK7
789	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp061386.exe	KCM6XRUL7T68	GPK7 (B)	GPK7
790	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp061386.exe	KCM6XRUL1T92	GPK7 (B)	GPK7
791	Online NVMe SSD Flash Component	cp061386.exe	KCM6XVUL3T20	GPK7 (B)	GPK7

	for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives				
792	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp061386.exe	KCM6XRUL3T84	GPK7 (B)	GPK7
793	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp061386.exe	KCM6XVUL800G	GPK7 (B)	GPK7
794	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp061386.exe	KCM6XVUL6T40	GPK7 (B)	GPK7
795	Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives	cp061386.exe	KCM6XVUL1T60	GPK7 (B)	GPK7
796	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp061542.exe	VK007680KWWFQ	HPK3 (G)	HPK3
797	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp061542.exe	MK006400KWWFK	HPK3 (G)	HPK3
798	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp061542.exe	VK003840KWWFP	HPK3 (G)	HPK3
799	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp061542.exe	MK003200KWWFH	HPK3 (G)	HPK3
800	Online NVMe SSD Flash Component	cp061542.exe	VK001920KWWFN	HPK3 (G)	HPK3

	for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives				
801	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp061542.exe	MK001600KWWFF	HPK3 (G)	HPK3
802	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp061542.exe	VK000960KWWFL	HPK3 (G)	HPK3
803	Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives	cp061542.exe	MK00800KWWFE	HPK3 (G)	HPK3
804	Online NVMe SSD Flash Component for Windows (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp061516.exe	MO006400KWVND	HPK3 (F)	HPK3
805	Online NVMe SSD Flash Component for Windows (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp061516.exe	MO003200KWVNC	HPK3 (F)	HPK3
806	Online NVMe SSD Flash Component for Windows (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp061516.exe	MO001600KWVNB	HPK3 (F)	HPK3
807	Online NVMe SSD Flash Component for Windows (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp061516.exe	MT001600KWSTB	HPK3 (F)	HPK3
808	Online NVMe SSD Flash Component for Windows (x64) - MO001600KWVNB,	cp061516.exe	MT003200KWSTC	HPK3 (F)	HPK3

	MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives				
809	Online NVMe SSD Flash Component for Windows (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives	cp061516.exe	MT006400KWSTD	HPK3 (F)	HPK3
810	Online NVMe SSD Flash Component for Windows (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	cp061505.exe	MZPLJ1T6HBJR-000H3	EPK76H3Q (E)	EPK76H3Q
811	Online NVMe SSD Flash Component for Windows (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	cp061505.exe	MZPLJ6T4HALA-000H3	EPK76H3Q (E)	EPK76H3Q
812	Online NVMe SSD Flash Component for Windows (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives	cp061505.exe	MZPLJ3T2HBJR-000H3	EPK76H3Q (E)	EPK76H3Q
813	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	cp062663.exe	MZXL5960HBHQ-000H3	MPK78H5Q	MPK78H5Q
814	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	cp062663.exe	MZXL515THALA-000H3	MPK78H5Q	MPK78H5Q
815	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	cp062663.exe	MZXL512THALA-000H3	MPK78H5Q	MPK78H5Q
816	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	cp062663.exe	MZXL57T6HALA-000H3	MPK78H5Q	MPK78H5Q

	MZXL515THALA-0 Drive				
817	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	cp062663.exe	MZXL56T4HALA-000H3	MPK78H5Q	MPK78H5Q
818	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	cp062663.exe	MZXL53T8HBLS-000H3	MPK78H5Q	MPK78H5Q
819	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	cp062663.exe	MZXL53T2HBLS-000H3	MPK78H5Q	MPK78H5Q
820	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	cp062663.exe	MZXL51T6HBJR-000H3	MPK78H5Q	MPK78H5Q
821	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	cp062663.exe	MZXL5800HBHQ-000H3	MPK78H5Q	MPK78H5Q
822	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	cp062663.exe	MZXL51T9HBJR-000H3	MPK78H5Q	MPK78H5Q

	MZXL515THALA-0 Drive				
823	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp062664.exe	MZXLR12THALA-000H3	MPK7825Q	MPK7825Q
824	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp062664.exe	MZXLR15THALA-000H3	MPK7825Q	MPK7825Q
825	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp062664.exe	MZXLR7T6HALA-000H3	MPK7825Q	MPK7825Q
826	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp062664.exe	MZXLR1T6HBJR-000H3	MPK7825Q	MPK7825Q
827	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp062664.exe	MZXLR800HBHQ-000H3	MPK7825Q	MPK7825Q
828	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and	cp062664.exe	MZXLR3T2HBLS-000H3	MPK7825Q	MPK7825Q

	MZXLR15THALA-0 Drive				
829	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp062664.exe	MZXLR6T4HALA-000H3	MPK7825Q	MPK7825Q
830	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp062664.exe	MZXLR1T9HBJR-000H3	MPK7825Q	MPK7825Q
831	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp062664.exe	MZXLR3T8HBLS-000H3	MPK7825Q	MPK7825Q
832	Online NVMe SSD Flash Component for Windows (x64) - MZXLR800HBHQ-000H3, MZXLR1T6HBJR-000H3, MZXLR3T2HBLS-000H3, MZXLR6T4HALA-000H3, MZXLR12THALA-000H3, MZXLR960HBHQ-000H3, MZXLR1T9HBJR-000H3, MZXLR3T8HBLS-000H3, MZXLR7T6HALA-000H3 and MZXLR15THALA-0 Drive	cp062664.exe	MZXLR960HBHQ-000H3	MPK7825Q	MPK7825Q
833	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp062182.exe	VO000960KWUEA	HPK3	HPK3
834	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp062182.exe	VO001920KWUEB	HPK3	HPK3
835	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB,	cp062182.exe	VO003840KWUEC	HPK3	HPK3

	VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives				
836	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp062182.exe	VO007680KWUED	HPK3	HPK3
837	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp062182.exe	VO015360KWUEE	HPK3	HPK3
838	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp062182.exe	MO000800KWUDR	HPK3	HPK3
839	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp062182.exe	MO001600KWUDT	HPK3	HPK3
840	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp062182.exe	MO003200KWUDU	HPK3	HPK3
841	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives	cp062182.exe	MO006400KWUDV	HPK3	HPK3
842	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	cp062185.exe	VO000960KWVBR	HPK3	HPK3
843	Online NVMe SSD Flash Component for Windows (x64) -	cp062185.exe	VO001920KWVBT	HPK3	HPK3

	VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives				
844	Online NVMe SSD Flash Component for Windows (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives	cp062185.exe	VO003840KWVBU	HPK3	HPK3
845	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp061495.exe	VO000960KXAVL	HPK5 (E)	HPK5
846	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp061495.exe	MO000800KXAVN	HPK5 (E)	HPK5
847	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp061495.exe	MO001600KXAVT	HPK5 (E)	HPK5
848	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp061495.exe	MO003200KXAVU	HPK5 (E)	HPK5
849	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp061495.exe	MO006400KXAVV	HPK5 (E)	HPK5
850	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp061495.exe	VO003840KXAVQ	HPK5 (E)	HPK5
851	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp061495.exe	VO007680KXAVR	HPK5 (E)	HPK5
852	Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives	cp061495.exe	VO001920KXAVP	HPK5 (E)	HPK5
853	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	cp061518.exe	VO007680KWVMV	HPK3 (F)	HPK3
854	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives	cp061518.exe	VO003840KWVMU	HPK3 (F)	HPK3
855	Online NVMe SSD Flash Component for Windows (x64) -	cp061518.exe	VO001920KWVMT	HPK3 (F)	HPK3

	VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives				
856	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	cp061544.exe	VO003840KWZQT	HPK7 (C)	HPK7
857	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	cp061544.exe	VO001920KWZQR	HPK7 (C)	HPK7
858	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	cp061544.exe	MO001600KWZQP	HPK7 (C)	HPK7
859	Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives	cp061544.exe	MO003200KWZQQ	HPK7 (C)	HPK7
860	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp061409.exe	MO001600KYDMU	HPK5 (B)	HPK5
861	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp061409.exe	MO006400KYDND	HPK5 (B)	HPK5
862	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp061409.exe	VO015360KYDNB	HPK5 (B)	HPK5
863	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp061409.exe	VO007680KYDNA	HPK5 (B)	HPK5
864	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp061409.exe	MO003200KYDNC	HPK5 (B)	HPK5
865	Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives	cp061409.exe	VO001920KYDMT	HPK5 (B)	HPK5
866	Online NVMe SSD Flash Component	cp061409.exe	VO003840KYDMV	HPK5 (B)	HPK5

	for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives				
867	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp061503.exe	MO006400KWVVA	4ICRHPK3 (G)	4ICRHPK3
868	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp061503.exe	VO004000KWVUR	4ICRHPK3 (G)	4ICRHPK3
869	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp061503.exe	MO003200KWVUV	4ICRHPK3 (G)	4ICRHPK3
870	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp061503.exe	VO002000KWVVC	4ICRHPK3 (G)	4ICRHPK3
871	Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives	cp061503.exe	MO001600KWVUU	4ICRHPK3 (G)	4ICRHPK3
872	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp061514.exe	VS000480KXALB	85032G00 (E)	85032G00
873	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp061514.exe	VS003840KWXFQ	85032G00 (E)	85032G00
874	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp061514.exe	VS001920KWXFP	85032G00 (E)	85032G00
875	Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives	cp061514.exe	VS000960KWXFN	85032G00 (E)	85032G00
876	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE81X0AHPK2.fwpkg	MO000800KXPRV	HPK2	HPK2
877	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE81X0AHPK2.fwpkg	MO001600KXPTR	HPK2	HPK2
878	Universal Firmware Package for Drives - MO000800KXPRV,	SKHynix_PE81X0_KPE81X0AHPK2.fwpkg	MO003200KXPTT	HPK2	HPK2

	MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ				
879	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE81X0AHPK2.fwpkg	MO006400KXPTU	HPK2	HPK2
880	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE81X0AHPK2.fwpkg	VO000960KXPRU	HPK2	HPK2
881	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE81X0AHPK2.fwpkg	VO001920KXPTN	HPK2	HPK2
882	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE81X0AHPK2.fwpkg	VO003840KXPTP	HPK2	HPK2
883	Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ	SKHynix_PE81X0_KPE81X0AHPK2.fwpkg	VO007680KXPTQ	HPK2	HPK2
884	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALSHPK2.fwpkg	MO000800KXUJT	HPK2	HPK2
885	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALSHPK2.fwpkg	MO001600KXUJU	HPK2	HPK2
886	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALSHPK2.fwpkg	MO003200KXUJV	HPK2	HPK2
887	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALSHPK2.fwpkg	MO006400KXUKA	HPK2	HPK2
888	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALSHPK2.fwpkg	VO000960KXUJN	HPK2	HPK2
889	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU,	Kioxia_CD8_KACD8ALSHPK2.fwpkg	VO001920KXUJP	HPK2	HPK2

	MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ				
890	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALSHPK2.fwpkg	VO003840KXUJQ	HPK2	HPK2
891	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALSHPK2.fwpkg	VO007680KXUJR	HPK2	HPK2
892	Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ	Kioxia_CD8_KACD8ALSHPK2.fwpkg	VO015360KYGZQ	HPK2	HPK2
893	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK1.fwpkg	MO006400KYDZU	HPK1	HPK1
894	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK1.fwpkg	MO003200KYDZT	HPK1	HPK1
895	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK1.fwpkg	MO001600KYDZR	HPK1	HPK1
896	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK1.fwpkg	MO000800KYDZK	HPK1	HPK1
897	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK1.fwpkg	VO007680KYDZP	HPK1	HPK1
898	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK1.fwpkg	VO003840KYDZN	HPK1	HPK1
899	Universal Firmware Package for Drives - MO000800KYDZK,	Micron_7500_Micron_7500_M7500ALLHPK1.fw	VO001920KYDZL	HPK1	HPK1

	MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	pkg			
900	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK1.fwpkg	VO000960KYDZH	HPK1	HPK1
901	Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP	Micron_7500_Micron_7500_M7500ALLHPK1.fwpkg	VO001536KYDZQ	HPK1	HPK1
902	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAAHPK5.fwpkg	MO001600KZYWU	HPK5	HPK5
903	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAAHPK5.fwpkg	MO003200KZYXB	HPK5	HPK5
904	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAAHPK5.fwpkg	MO006400KZYXC	HPK5	HPK5
905	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAAHPK5.fwpkg	VO001920KZYWT	HPK5	HPK5
906	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAAHPK5.fwpkg	VO003840KZYWV	HPK5	HPK5
907	Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA	Solidigm_P5x20_4IAAHPK5.fwpkg	VO007680KZYXA	HPK5	HPK5
908	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_PM9A3U3HPK4.fwpkg	VK000960KYDPT	HPK4	HPK4
909	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_PM9A3U3HPK4.fwpkg	VK001920KYDPU	HPK4	HPK4
910	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_PM9A3U3HPK4.fwpkg	VK003840KYDPV	HPK4	HPK4
911	Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA	Samsung_PM9A3_PM9A3U3HPK4.fwpkg	VK007680KYDQA	HPK4	HPK4
912	Universal Firmware Package for Drives	Micron_7450_Micron_7	VO001920KXNZQ	HPS3	HPS3

	- VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	450_M7450ALLHPS3.fwpkg			
913	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS3.fwpkg	VO003840KXNZR	HPS3	HPS3
914	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS3.fwpkg	VO007680KXNZT	HPS3	HPS3
915	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS3.fwpkg	MO000800KXNXH	HPS3	HPS3
916	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS3.fwpkg	MO001600KXNZV	HPS3	HPS3
917	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS3.fwpkg	MO003200KXPAA	HPS3	HPS3
918	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS3.fwpkg	MO006400KXPAB	HPS3	HPS3
919	Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB	Micron_7450_Micron_7450_M7450ALLHPS3.fwpkg	VO000960KXNXD	HPS3	HPS3
920	Universal Firmware Package for Drives - VR000480KXLXF	Samsung_PM9A3_PM9A3M2HPK3.fwpkg	VR000480KXLXF	HPK3	HPK3

6.2.12 Firmware - Power Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
921	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	cp062648.exe	Innovation Engine (IE) Fimware	0.2.3.0 (C)	0.2.3.0
922	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-1.1.4-2.1.x86_64.rpm	Gen10 Plus Power Management Controller Firmware	1.1.4 (B)	1.1.4
923	Online ROM Flash for Windows x64 -	cp062654.exe	Gen10 Plus Power	1.1.4 (B)	1.1.4

	Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors		Management Controller Firmware		
924	Online ROM Flash for Windows x64 - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	cp053858.exe	Innovation Engine (IE) Fimware	1.0.0.22 (B)	1.0.0.22
925	ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors	PICFW-1.1.4-1.fwpkg	Gen10 Plus Power Management Controller Firmware	1.1.4	1.1.4

6.2.13 Firmware - SAS Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
926	*REMOVED* Online HDD/SSD Flash Component for Linux (x64) - EH000600JWCPF and EH000900JWCPH Drives	firmware-hdd-a05f29cef3-HPDB-1.1.x86_64.rpm	EH000600JWCPF	HPDB	HPDB
927	*REMOVED* Online HDD/SSD Flash Component for Linux (x64) - EH000600JWCPF and EH000900JWCPH Drives	firmware-hdd-a05f29cef3-HPDB-1.1.x86_64.rpm	EH000900JWCPH	HPDB	HPDB
928	*REMOVED* Online HDD/SSD Flash Component for VMware ESXi - EH000600JWCPF and EH000900JWCPH Drives	CP054905.zip	EH000600JWCPF	HPDB	HPDB
929	*REMOVED* Online HDD/SSD Flash Component for VMware ESXi - EH000600JWCPF and EH000900JWCPH Drives	CP054905.zip	EH000900JWCPH	HPDB	HPDB
930	*REMOVED* Online HDD/SSD Flash Component for Windows (x64) - EH000600JWCPF and EH000900JWCPH Drives	cp052997.exe	EH000600JWCPF	HPDB	HPDB
931	*REMOVED* Online HDD/SSD Flash Component for Windows (x64) - EH000600JWCPF and EH000900JWCPH Drives	cp052997.exe	EH000900JWCPH	HPDB	HPDB
932	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWBHR Drive	firmware-hdd-2e4c61fc63-HPD5-7.1.x86_64.rpm	EG000300JWBHR	HPD5 (G)	HPD5
933	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWFVB Drive	firmware-hdd-c5cd837c29-HPD3-7.1.x86_64.rpm	EG000300JWFVB	HPD3 (G)	HPD3
934	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	firmware-hdd-24fe569b72-HPD5-6.1.x86_64.rpm	EG001200JWJNK	HPD5 (F)	HPD5
935	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	firmware-hdd-24fe569b72-HPD5-6.1.x86_64.rpm	EG000600JWJNH	HPD5 (F)	HPD5
936	Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	firmware-hdd-24fe569b72-HPD5-6.1.x86_64.rpm	EG000300JWSJP	HPD5 (F)	HPD5
937	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWFUV and EG001200JWFVA Drives	firmware-hdd-f0c91d2fe3-HPD4-7.1.x86_64.rpm	EG001200JWFVA	HPD4 (G)	HPD4

938	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWFUV and EG001200JWFVA Drives	firmware-hdd-f0c91d2fe3-HPD4-7.1.x86_64.rpm	EG000600JWFUV	HPD4 (G)	HPD4
939	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-3.1.x86_64.rpm	EG001200JWJNQ	HPD8 (C)	HPD8
940	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-3.1.x86_64.rpm	EG000600JWJNP	HPD8 (C)	HPD8
941	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-3.1.x86_64.rpm	EG001200MXJQU	HPD8 (C)	HPD8
942	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-3.1.x86_64.rpm	EG000600JXLVV	HPD8 (C)	HPD8
943	Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	firmware-hdd-bdfb8e99d9-HPD8-3.1.x86_64.rpm	EG001200JXLWA	HPD8 (C)	HPD8
944	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWFVC Drive	firmware-hdd-693b9a2853-HPD4-7.1.x86_64.rpm	EG001800JWFVC	HPD4 (G)	HPD4
945	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNL and EG002400JWJNN Drives	firmware-hdd-852266afdf-HPD5-6.1.x86_64.rpm	EG002400JWJNN	HPD5 (F)	HPD5
946	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNL and EG002400JWJNN Drives	firmware-hdd-852266afdf-HPD5-6.1.x86_64.rpm	EG001800JWJNL	HPD5 (F)	HPD5
947	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-4.1.x86_64.rpm	EG001800JWJNR	HPDA (D)	HPDA
948	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-4.1.x86_64.rpm	EG002400JWJNT	HPDA (D)	HPDA
949	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-4.1.x86_64.rpm	EG002400MXJQT	HPDA (D)	HPDA
950	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-4.1.x86_64.rpm	EG001800JXLWB	HPDA (D)	HPDA
951	Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	firmware-hdd-b1c9eaf74c-HPDA-4.1.x86_64.rpm	EG002400JXLWC	HPDA (D)	HPDA
952	Online HDD/SSD Flash Component for Linux (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	firmware-hdd-7505dfb5ae-HPD8-7.1.x86_64.rpm	EG1200JETKC	HPD8 (G)	HPD8

953	Online HDD/SSD Flash Component for Linux (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	firmware-hdd-7505dfb5ae-HPD8-7.1.x86_64.rpm	EG0600JETKA	HPD8 (G)	HPD8
954	Online HDD/SSD Flash Component for Linux (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	firmware-hdd-7505dfb5ae-HPD8-7.1.x86_64.rpm	EG0900JETKB	HPD8 (G)	HPD8
955	Online HDD/SSD Flash Component for Linux (x64) - EG1800JFHMH Drive	firmware-hdd-7fc5497116-HPD8-7.1.x86_64.rpm	EG1800JFHMH	HPD8 (G)	HPD8
956	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPK and EH000600JWHPH Drives	firmware-hdd-c7df7ceedb-HPD8-4.1.x86_64.rpm	EH000600JWHPH	HPD8 (D)	HPD8
957	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPK and EH000600JWHPH Drives	firmware-hdd-c7df7ceedb-HPD8-4.1.x86_64.rpm	EH000900JWHPK	HPD8 (D)	HPD8
958	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	firmware-hdd-8d68452816-HPD8-4.1.x86_64.rpm	EH000300JWHPL	HPD8 (D)	HPD8
959	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	firmware-hdd-8d68452816-HPD8-4.1.x86_64.rpm	EH000600JWHPN	HPD8 (D)	HPD8
960	Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	firmware-hdd-8d68452816-HPD8-4.1.x86_64.rpm	EH000900JWHPP	HPD8 (D)	HPD8
961	Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	firmware-hdd-481c8ea9a7-HPD7-8.1.x86_64.rpm	MO1600JVYPR	HPD7 (H)	HPD7
962	Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	firmware-hdd-481c8ea9a7-HPD7-8.1.x86_64.rpm	EO1600JVYPP	HPD7 (H)	HPD7
963	Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	firmware-hdd-481c8ea9a7-HPD7-8.1.x86_64.rpm	MK0800JVYPQ	HPD7 (H)	HPD7
964	Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	firmware-hdd-481c8ea9a7-HPD7-8.1.x86_64.rpm	EK0800JVYPN	HPD7 (H)	HPD7
965	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-11.1.x86_64.rpm	EO001600JWDKR	HPD2 (K)	HPD2
966	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-11.1.x86_64.rpm	MO001600JWDLA	HPD2 (K)	HPD2
967	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-11.1.x86_64.rpm	MO003200JWDLB	HPD2 (K)	HPD2
968	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR,	firmware-hdd-5dcf26fa42-HPD2-11.1.x86_64.rpm	EO000400JWDKP	HPD2 (K)	HPD2

	MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives				
969	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-11.1.x86_64.rpm	MO000400JWDKU	HPD2 (K)	HPD2
970	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-11.1.x86_64.rpm	EO000800JWDKQ	HPD2 (K)	HPD2
971	Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD2-11.1.x86_64.rpm	MO000800JWDKV	HPD2 (K)	HPD2
972	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	EO000800PXDCK	HPD4	HPD4
973	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	MO000800PXDBP	HPD4	HPD4
974	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	EO000400PXDBQ	HPD4	HPD4
975	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	EO001600PXDCH	HPD4	HPD4
976	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	MO001600PXDCC	HPD4	HPD4
977	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE,	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	MO006400PXDCE	HPD4	HPD4

	VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives				
978	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	VO007680PXDBU	HPD4	HPD4
979	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	VO001920PXDBR	HPD4	HPD4
980	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	MO003200PXDCD	HPD4	HPD4
981	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	VO015300PXDBV	HPD4	HPD4
982	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	VO000960PXDBN	HPD4	HPD4
983	Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	firmware-hdd-42aff4675b-HPD4-1.1.x86_64.rpm	VO003840PXDBT	HPD4	HPD4
984	Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives	firmware-hdd-d7af557f47-HPD4-8.1.x86_64.rpm	MB002000JWFVN	HPD4 (H)	HPD4
985	Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives	firmware-hdd-d7af557f47-HPD4-8.1.x86_64.rpm	MB004000JWFVP	HPD4 (H)	HPD4
986	Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and MB004000JYDPB Drives	firmware-hdd-d4be2aecbb-HPD2-5.1.x86_64.rpm	MB004000JYDPB	HPD2 (E)	HPD2
987	Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and MB004000JYDPB Drives	firmware-hdd-d4be2aecbb-HPD2-5.1.x86_64.rpm	MB002000JYDNE	HPD2 (E)	HPD2
988	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWFVK and MB006000JWFVL Drives	firmware-hdd-f6d00bd17e-HPD4-7.1.x86_64.rpm	MB004000JWFVK	HPD4 (G)	HPD4

989	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWFVK and MB006000JWFVL Drives	firmware-hdd-f6d00bd17e-HPD4-7.1.x86_64.rpm	MB006000JWFVL	HPD4 (G)	HPD4
990	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWKGU Drive	firmware-hdd-2c27a7a9a4-HPD2-7.1.x86_64.rpm	MB004000JWKGU	HPD2 (G)	HPD2
991	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB and MB002000JWWQA Drives	firmware-hdd-adb3ab8147-HPD8-5.1.x86_64.rpm	MB004000JWWQB	HPD8 (E)	HPD8
992	Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB and MB002000JWWQA Drives	firmware-hdd-adb3ab8147-HPD8-5.1.x86_64.rpm	MB002000JWWQA	HPD8 (E)	HPD8
993	Online HDD/SSD Flash Component for Linux (x64) - MB006000JWKGN Drive	firmware-hdd-a886842a99-HPD2-7.1.x86_64.rpm	MB006000JWKGN	HPD2 (G)	HPD2
994	Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF and MB008000JYDPC Drives	firmware-hdd-b04df66fe9-HPD2-5.1.x86_64.rpm	MB006000JYDNF	HPD2 (E)	HPD2
995	Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF and MB008000JYDPC Drives	firmware-hdd-b04df66fe9-HPD2-5.1.x86_64.rpm	MB008000JYDPC	HPD2 (E)	HPD2
996	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWJRQ and MB006000JWJRP Drives	firmware-hdd-faf39e0ff7-HPD9-7.1.x86_64.rpm	MB008000JWJRQ	HPD9 (G)	HPD9
997	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWJRQ and MB006000JWJRP Drives	firmware-hdd-faf39e0ff7-HPD9-7.1.x86_64.rpm	MB006000JWJRP	HPD9 (G)	HPD9
998	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWRTD Drive	firmware-hdd-8b26d1ef02-HPD2-8.1.x86_64.rpm	MB008000JWRTD	HPD2 (H)	HPD2
999	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives	firmware-hdd-ae6b41e855-HPD8-5.1.x86_64.rpm	MB006000JWWQN	HPD8 (E)	HPD8
1000	Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives	firmware-hdd-ae6b41e855-HPD8-5.1.x86_64.rpm	MB008000JWWQP	HPD8 (E)	HPD8
1001	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWAYK and MB008000JWAYH Drives	firmware-hdd-6ec35faf90-HPD6-7.1.x86_64.rpm	MB010000JWAYK	HPD6 (G)	HPD6
1002	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWAYK and MB008000JWAYH Drives	firmware-hdd-6ec35faf90-HPD6-7.1.x86_64.rpm	MB008000JWAYH	HPD6 (G)	HPD6
1003	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-4.1.x86_64.rpm	MB010000JWZHA	HPD4 (D)	HPD4
1004	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-4.1.x86_64.rpm	MB016000JWZHE	HPD4 (D)	HPD4
1005	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-4.1.x86_64.rpm	MB014000JWZHC	HPD4 (D)	HPD4
1006	Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	firmware-hdd-cf0b6cabe1-HPD4-4.1.x86_64.rpm	MB012000JWZHB	HPD4 (D)	HPD4
1007	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-2.1.x86_64.rpm	MB010000JYDKK	HPD3 (B)	HPD3
1008	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV,	firmware-hdd-8173816d98-HPD3-2.1.x86_64.rpm	MB012000JYCJF	HPD3 (B)	HPD3

	MB016000JYDKL and MB018000JYDKN Drives				
1009	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-2.1.x86_64.rpm	MB014000JYCJV	HPD3 (B)	HPD3
1010	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-2.1.x86_64.rpm	MB016000JYDKL	HPD3 (B)	HPD3
1011	Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	firmware-hdd-8173816d98-HPD3-2.1.x86_64.rpm	MB018000JYDKN	HPD3 (B)	HPD3
1012	Online HDD/SSD Flash Component for Linux (x64) - MB012000JWDFD Drive	firmware-hdd-aaf1014ede-HPD4-2.1.x86_64.rpm	MB012000JWDFD	HPD4 (B)	HPD4
1013	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-2.1.x86_64.rpm	MB012000JZYVN	HPD4 (B)	HPD4
1014	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-2.1.x86_64.rpm	MB014000JZYVP	HPD4 (B)	HPD4
1015	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-2.1.x86_64.rpm	MB016000JZYVQ	HPD4 (B)	HPD4
1016	Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	firmware-hdd-87b796d9ae-HPD4-2.1.x86_64.rpm	MB018000JYCLK	HPD4 (B)	HPD4
1017	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	firmware-hdd-10385ef3e6-HPD2-12.1.x86_64.rpm	MB014000JWRTH	HPD2 (L)	HPD2
1018	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	firmware-hdd-10385ef3e6-HPD2-12.1.x86_64.rpm	MB012000JWRTF	HPD2 (L)	HPD2
1019	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	firmware-hdd-10385ef3e6-HPD2-12.1.x86_64.rpm	MB010000JWRTE	HPD2 (L)	HPD2
1020	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWTFD and MB012000JWTFC Drives	firmware-hdd-4ba9615f90-HPD8-7.1.x86_64.rpm	MB014000JWTFD	HPD8 (G)	HPD8
1021	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWTFD and MB012000JWTFC Drives	firmware-hdd-4ba9615f90-HPD8-7.1.x86_64.rpm	MB012000JWTFC	HPD8 (G)	HPD8
1022	Online HDD/SSD Flash Component for Linux (x64) - MB014000JWUDB Drive	firmware-hdd-cfd7436fcc-HPD4-2.1.x86_64.rpm	MB014000JWUDB	HPD4 (B)	HPD4
1023	Online HDD/SSD Flash Component for Linux (x64) - MB014000JXUCC Drive	firmware-hdd-017797f12e-HPD4-3.1.x86_64.rpm	MB014000JXUCC	HPD4 (C)	HPD4
1024	Online HDD/SSD Flash Component for Linux (x64) - MB016000JWXKH Drive	firmware-hdd-8a0371a425-HPDA-3.1.x86_64.rpm	MB016000JWXKH	HPDA (C)	HPDA
1025	Online HDD/SSD Flash Component for Linux (x64) - MB016000JXLBA and MB018000JXLAU Drives	firmware-hdd-d550523365-HPD3-3.1.x86_64.rpm	MB016000JXLBA	HPD3 (C)	HPD3

1026	Online HDD/SSD Flash Component for Linux (x64) - MB016000JXLBA and MB018000JXLAU Drives	firmware-hdd-d550523365-HPD3-3.1.x86_64.rpm	MB018000JXLAU	HPD3 (C)	HPD3
1027	Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTH and MB020000JXMTP Drives	firmware-hdd-020fc874ad-HPD2-2.1.x86_64.rpm	MB020000JXMTP	HPD2 (B)	HPD2
1028	Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTH and MB020000JXMTP Drives	firmware-hdd-020fc874ad-HPD2-2.1.x86_64.rpm	MB018000JXMTH	HPD2 (B)	HPD2
1029	Online HDD/SSD Flash Component for Linux (x64) - MB2000JFDSL and MB4000JFDSN Drives	firmware-hdd-46fc43ab26-HPD4-13.1.x86_64.rpm	MB2000JFDSL	HPD4 (M)	HPD4
1030	Online HDD/SSD Flash Component for Linux (x64) - MB2000JFDSL and MB4000JFDSN Drives	firmware-hdd-46fc43ab26-HPD4-13.1.x86_64.rpm	MB4000JFDSN	HPD4 (M)	HPD4
1031	Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives	firmware-hdd-b04257b77b-HPDA-4.1.x86_64.rpm	MM1000JEFRB	HPDA (D)	HPDA
1032	Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives	firmware-hdd-b04257b77b-HPDA-4.1.x86_64.rpm	MM2000JEFRC	HPDA (D)	HPDA
1033	Online HDD/SSD Flash Component for Linux (x64) - MM1000JFJTH Drive	firmware-hdd-fa46c607d6-HPD5-4.1.x86_64.rpm	MM1000JFJTH	HPD5 (D)	HPD5
1034	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	firmware-hdd-b8a60fbe9a-HPD5-10.1.x86_64.rpm	MO003200JWFWR	HPD5 (J)	HPD5
1035	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	firmware-hdd-b8a60fbe9a-HPD5-10.1.x86_64.rpm	MO001920JWFWU	HPD5 (J)	HPD5
1036	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	firmware-hdd-b8a60fbe9a-HPD5-10.1.x86_64.rpm	MO001600JWFWQ	HPD5 (J)	HPD5
1037	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	firmware-hdd-b8a60fbe9a-HPD5-10.1.x86_64.rpm	MO000960JWFWT	HPD5 (J)	HPD5
1038	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	firmware-hdd-b8a60fbe9a-HPD5-10.1.x86_64.rpm	MO000800JWFWP	HPD5 (J)	HPD5
1039	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFWN,	firmware-hdd-b8a60fbe9a-HPD5-	MO000400JWFWN	HPD5 (J)	HPD5

	MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	10.1.x86_64.rpm			
1040	Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	firmware-hdd-b8a60fbe9a-HPD5-10.1.x86_64.rpm	MO003840JWFWV	HPD5 (J)	HPD5
1041	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD1-7.1.x86_64.rpm	MO000800JXBEV	HPD1 (G)	HPD1
1042	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD1-7.1.x86_64.rpm	MO001600JXBFP	HPD1 (G)	HPD1
1043	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD1-7.1.x86_64.rpm	MO003200JXBFQ	HPD1 (G)	HPD1
1044	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD1-7.1.x86_64.rpm	MO006400JXBFR	HPD1 (G)	HPD1
1045	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD1-7.1.x86_64.rpm	MO000960JXBFA	HPD1 (G)	HPD1
1046	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD1-7.1.x86_64.rpm	MO001920JXBFT	HPD1 (G)	HPD1
1047	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA,	firmware-hdd-24384980ec-HPD1-7.1.x86_64.rpm	MO003840JXBFU	HPD1 (G)	HPD1

	MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives				
1048	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD1-7.1.x86_64.rpm	MO007680JXBGA	HPD1 (G)	HPD1
1049	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD1-7.1.x86_64.rpm	MO015360JXBFV	HPD1 (G)	HPD1
1050	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD1-7.1.x86_64.rpm	EO000400JXBEU	HPD1 (G)	HPD1
1051	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD1-7.1.x86_64.rpm	EO000800JXBFL	HPD1 (G)	HPD1
1052	Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	firmware-hdd-24384980ec-HPD1-7.1.x86_64.rpm	EO001600JXBFN	HPD1 (G)	HPD1
1053	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-9.1.x86_64.rpm	VO015300JWSSV	HPD8 (I)	HPD8
1054	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-9.1.x86_64.rpm	VK007680JWSSU	HPD8 (I)	HPD8
1055	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-9.1.x86_64.rpm	VK003840JWSST	HPD8 (I)	HPD8
1056	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	firmware-hdd-1e51a57347-HPD8-9.1.x86_64.rpm	VK001920JWSSR	HPD8 (I)	HPD8
1057	Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ,	firmware-hdd-1e51a57347-HPD8-	VK000960JWSSQ	HPD8 (I)	HPD8

	VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	9.1.x86_64.rpm			
1058	Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	firmware-hdd-a07a420ed1-HPD5-3.1.x86_64.rpm	VO006400JWZJT	HPD5 (C)	HPD5
1059	Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	firmware-hdd-a07a420ed1-HPD5-3.1.x86_64.rpm	VO003200JWZJR	HPD5 (C)	HPD5
1060	Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	firmware-hdd-a07a420ed1-HPD5-3.1.x86_64.rpm	VO001600JWZJQ	HPD5 (C)	HPD5
1061	Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	firmware-hdd-a07a420ed1-HPD5-3.1.x86_64.rpm	VO000800JWZJP	HPD5 (C)	HPD5
1062	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	VO007680JWTBP	HPDB (B)	HPDB
1063	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	MO006400JWTCD	HPDB (B)	HPDB
1064	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	VO003840JWTBN	HPDB (B)	HPDB
1065	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	MO003200JWTBU	HPDB (B)	HPDB
1066	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	EO003200JWTCC	HPDB (B)	HPDB
1067	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK,	firmware-hdd-9ad359dac1-HPDB-	VO001920JWTBL	HPDB (B)	HPDB

	VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	2.1.x86_64.rpm			
1068	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	MO001600JWTBT	HPDB (B)	HPDB
1069	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	EO001600JWTCB	HPDB (B)	HPDB
1070	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	VO000960JWTBK	HPDB (B)	HPDB
1071	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	MO000800JWTBR	HPDB (B)	HPDB
1072	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	EO000800JWTCA	HPDB (B)	HPDB
1073	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	MO000400JWTBQ	HPDB (B)	HPDB
1074	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT,	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	EO000400JWTBV	HPDB (B)	HPDB

	MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives				
1075	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	firmware-hdd-9ad359dac1-HPDB-2.1.x86_64.rpm	MO001920JWWWV	HPDB (B)	HPDB
1076	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd-35fd24601f-HPD5-3.1.x86_64.rpm	VO015360JWZJN	HPD5 (C)	HPD5
1077	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd-35fd24601f-HPD5-3.1.x86_64.rpm	VO007680JWZJL	HPD5 (C)	HPD5
1078	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd-35fd24601f-HPD5-3.1.x86_64.rpm	VO003840JWZJK	HPD5 (C)	HPD5
1079	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd-35fd24601f-HPD5-3.1.x86_64.rpm	VO001920JWZJH	HPD5 (C)	HPD5
1080	Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	firmware-hdd-35fd24601f-HPD5-3.1.x86_64.rpm	VO000960JWZJF	HPD5 (C)	HPD5
1081	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb2-HPD8-2.1.x86_64.rpm	VO007680RWUFC	HPD8 (B)	HPD8
1082	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb2-HPD8-2.1.x86_64.rpm	VO003840RWUFF	HPD8 (B)	HPD8
1083	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb2-HPD8-2.1.x86_64.rpm	VO003840RWUFB	HPD8 (B)	HPD8
1084	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb2-HPD8-2.1.x86_64.rpm	VO001920RWUFE	HPD8 (B)	HPD8
1085	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD,	firmware-hdd-8fafc9efb2-HPD8-2.1.x86_64.rpm	VO001920RWUFA	HPD8 (B)	HPD8

	VO001920RWUFE and VO003840RWUFF Drives				
1086	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb2-HPD8-2.1.x86_64.rpm	VO000960RWUFD	HPD8 (B)	HPD8
1087	Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	firmware-hdd-8fafc9efb2-HPD8-2.1.x86_64.rpm	VO000960RWUEV	HPD8 (B)	HPD8
1088	Online HDD/SSD Flash Component for Linux (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	firmware-hdd-8f501d6cf1-HPD3-1.1.x86_64.rpm	VO003840XZCLT	HPD3	HPD3
1089	Online HDD/SSD Flash Component for Linux (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	firmware-hdd-8f501d6cf1-HPD3-1.1.x86_64.rpm	MO001600XZCLV	HPD3	HPD3
1090	Online HDD/SSD Flash Component for Linux (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	firmware-hdd-8f501d6cf1-HPD3-1.1.x86_64.rpm	MO000800XZCLQ	HPD3	HPD3
1091	Online HDD/SSD Flash Component for Linux (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	firmware-hdd-8f501d6cf1-HPD3-1.1.x86_64.rpm	VO007680XZCMB	HPD3	HPD3
1092	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWBHR Drive	CP061465.zip	EG000300JWBHR	HPD5 (E)	HPD5
1093	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWFVB Drive	CP061464.zip	EG000300JWFVB	HPD3 (E)	HPD3
1094	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	CP061370.zip	EG001200JWJNK	HPD5 (D)	HPD5
1095	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	CP061370.zip	EG000600JWJNH	HPD5 (D)	HPD5
1096	Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	CP061370.zip	EG000300JWSJP	HPD5 (D)	HPD5
1097	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWFUV and EG001200JWFVA Drives	CP061475.zip	EG001200JWFVA	HPD4 (E)	HPD4
1098	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWFUV and EG001200JWFVA Drives	CP061475.zip	EG000600JWFUV	HPD4 (E)	HPD4
1099	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP061359.zip	EG001200JWJNQ	HPD8 (B)	HPD8
1100	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP061359.zip	EG000600JWJNP	HPD8 (B)	HPD8
1101	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV,	CP061359.zip	EG001200MXJQU	HPD8 (B)	HPD8

	EG001200JXLWA and EG001200MXJQU Drives				
1102	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP061359.zip	EG000600JXLVV	HPD8 (B)	HPD8
1103	Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	CP061359.zip	EG001200JXLWA	HPD8 (B)	HPD8
1104	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWFVC Drive	CP061474.zip	EG001800JWFVC	HPD4 (E)	HPD4
1105	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drives	CP061406.zip	EG002400JWJNN	HPD5 (D)	HPD5
1106	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drives	CP061406.zip	EG001800JWJNL	HPD5 (D)	HPD5
1107	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP061358.zip	EG001800JWJNR	HPDA (C)	HPDA
1108	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP061358.zip	EG002400JWJNT	HPDA (C)	HPDA
1109	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP061358.zip	EG002400MXJQT	HPDA (C)	HPDA
1110	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP061358.zip	EG001800JXLWB	HPDA (C)	HPDA
1111	Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	CP061358.zip	EG002400JXLWC	HPDA (C)	HPDA
1112	Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	CP061382.zip	EG1200JETKC	HPD8 (E)	HPD8
1113	Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	CP061382.zip	EG0600JETKA	HPD8 (E)	HPD8
1114	Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	CP061382.zip	EG0900JETKB	HPD8 (E)	HPD8
1115	Online HDD/SSD Flash Component for VMware ESXi - EG1800JFHMH Drive	CP061478.zip	EG1800JFHMH	HPD8 (E)	HPD8
1116	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPK and EH000600JWHPH Drives	CP061448.zip	EH000900JWHPK	HPD8 (B)	HPD8
1117	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPK and EH000600JWHPH Drives	CP061448.zip	EH000600JWHPH	HPD8 (B)	HPD8
1118	Online HDD/SSD Flash Component for	CP061341.zip	EH000900JWHPP	HPD8 (B)	HPD8

	VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives				
1119	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	CP061341.zip	EH000600JWHPN	HPD8 (B)	HPD8
1120	Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	CP061341.zip	EH000300JWHPL	HPD8 (B)	HPD8
1121	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP061563.zip	MO1600JVYPR	HPD7 (H)	HPD7
1122	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP061563.zip	EO1600JVYPP	HPD7 (H)	HPD7
1123	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP061563.zip	MK0800JVYPQ	HPD7 (H)	HPD7
1124	Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	CP061563.zip	EK0800JVYPN	HPD7 (H)	HPD7
1125	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP061343.zip	MO003200JWDLB	HPD2 (I)	HPD2
1126	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP061343.zip	MO001600JWDLA	HPD2 (I)	HPD2
1127	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP061343.zip	EO001600JWDKR	HPD2 (I)	HPD2
1128	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP061343.zip	MO000800JWDKV	HPD2 (I)	HPD2
1129	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP061343.zip	EO000800JWDKQ	HPD2 (I)	HPD2
1130	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	CP061343.zip	MO000400JWDKU	HPD2 (I)	HPD2
1131	Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR,	CP061343.zip	EO000400JWDKP	HPD2 (I)	HPD2

	MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives				
1132	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP062190.zip	EO000800PXDCK	HPD4	HPD4
1133	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP062190.zip	MO000800PXDBP	HPD4	HPD4
1134	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP062190.zip	EO000400PXDBQ	HPD4	HPD4
1135	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP062190.zip	EO001600PXDCH	HPD4	HPD4
1136	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP062190.zip	MO001600PXDCC	HPD4	HPD4
1137	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP062190.zip	MO006400PXDCE	HPD4	HPD4
1138	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP062190.zip	VO007680PXDBU	HPD4	HPD4
1139	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU	CP062190.zip	VO001920PXDBR	HPD4	HPD4

	and VO015300PXDBV Drives				
1140	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP062190.zip	VO015300PXDBV	HPD4	HPD4
1141	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP062190.zip	MO003200PXDCD	HPD4	HPD4
1142	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP062190.zip	VO000960PXDBN	HPD4	HPD4
1143	Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	CP062190.zip	VO003840PXDBT	HPD4	HPD4
1144	Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives	CP061413.zip	MB002000JWFVN	HPD4 (F)	HPD4
1145	Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives	CP061413.zip	MB004000JWFVP	HPD4 (F)	HPD4
1146	Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives	CP061454.zip	MB004000JYDPB	HPD2 (E)	HPD2
1147	Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives	CP061454.zip	MB002000JYDNE	HPD2 (E)	HPD2
1148	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWFVK and MB006000JWFVL Drives	CP061482.zip	MB004000JWFVK	HPD4 (E)	HPD4
1149	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWFVK and MB006000JWFVL Drives	CP061482.zip	MB006000JWFVL	HPD4 (E)	HPD4
1150	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWKGU Drive	CP061487.zip	MB004000JWKGU	HPD2 (E)	HPD2
1151	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives	CP061394.zip	MB004000JWWQB	HPD8 (B)	HPD8
1152	Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives	CP061394.zip	MB002000JWWQA	HPD8 (B)	HPD8
1153	Online HDD/SSD Flash Component for VMware ESXi - MB006000JWKGN Drive	CP061591.zip	MB006000JWKGN	HPD2 (E)	HPD2
1154	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF and MB008000JYDPC Drives	CP061453.zip	MB006000JYDNF	HPD2 (E)	HPD2

1155	Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF and MB008000JYDPC Drives	CP061453.zip	MB008000JYDPC	HPD2 (E)	HPD2
1156	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWJRQ and MB006000JWJRP Drives	CP061564.zip	MB008000JWJRQ	HPD9 (F)	HPD9
1157	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWJRQ and MB006000JWJRP Drives	CP061564.zip	MB006000JWJRP	HPD9 (F)	HPD9
1158	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWRTD Drive	CP061420.zip	MB008000JWRTD	HPD2 (F)	HPD2
1159	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP061393.zip	MB006000JWWQN	HPD8 (B)	HPD8
1160	Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives	CP061393.zip	MB008000JWWQP	HPD8 (B)	HPD8
1161	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWAYK and MB008000JWAYH Drives	CP061592.zip	MB010000JWAYK	HPD6 (E)	HPD6
1162	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWAYK and MB008000JWAYH Drives	CP061592.zip	MB008000JWAYH	HPD6 (E)	HPD6
1163	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP061444.zip	MB010000JWZHA	HPD4 (B)	HPD4
1164	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP061444.zip	MB012000JWZHB	HPD4 (B)	HPD4
1165	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP061444.zip	MB016000JWZHE	HPD4 (B)	HPD4
1166	Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	CP061444.zip	MB014000JWZHC	HPD4 (B)	HPD4
1167	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP061557.zip	MB010000JYDKK	HPD3 (B)	HPD3
1168	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP061557.zip	MB012000JYCJF	HPD3 (B)	HPD3
1169	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP061557.zip	MB014000JYCJV	HPD3 (B)	HPD3
1170	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP061557.zip	MB016000JYDKL	HPD3 (B)	HPD3
1171	Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	CP061557.zip	MB018000JYDKN	HPD3 (B)	HPD3
1172	Online HDD/SSD Flash Component for	CP061427.zip	MB012000JWDFD	HPD4 (B)	HPD4

	VMware ESXi - MB012000JWDFD Drive				
1173	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP061356.zip	MB012000JZYVN	HPD4 (B)	HPD4
1174	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP061356.zip	MB014000JZYVP	HPD4 (B)	HPD4
1175	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP061356.zip	MB016000JZYVQ	HPD4 (B)	HPD4
1176	Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	CP061356.zip	MB018000JYCLK	HPD4 (B)	HPD4
1177	Online HDD/SSD Flash Component for VMware ESXi - MB014000JWTFD and MB012000JWTFC Drives	CP061565.zip	MB014000JWTFD	HPD8 (F)	HPD8
1178	Online HDD/SSD Flash Component for VMware ESXi - MB014000JWTFD and MB012000JWTFC Drives	CP061565.zip	MB012000JWTFC	HPD8 (F)	HPD8
1179	Online HDD/SSD Flash Component for VMware ESXi - MB014000JWUDB Drive	CP061652.zip	MB014000JWUDB	HPD4 (B)	HPD4
1180	Online HDD/SSD Flash Component for VMware ESXi - MB014000JXUCC Drive	CP061537.zip	MB014000JXUCC	HPD4 (B)	HPD4
1181	Online HDD/SSD Flash Component for VMware ESXi - MB016000JWXKH Drive	CP061446.zip	MB016000JWXKH	HPDA (B)	HPDA
1182	Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives	CP061449.zip	MB016000JXLBA	HPD3 (B)	HPD3
1183	Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives	CP061449.zip	MB018000JXLAU	HPD3 (B)	HPD3
1184	Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives	CP061558.zip	MB018000JXMTH	HPD2 (B)	HPD2
1185	Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives	CP061558.zip	MB020000JXMTP	HPD2 (B)	HPD2
1186	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFDSL and MB4000JFDSN Drives	CP061598.zip	MB2000JFDSL	HPD4 (L)	HPD4
1187	Online HDD/SSD Flash Component for VMware ESXi - MB2000JFDSL and MB4000JFDSN Drives	CP061598.zip	MB4000JFDSN	HPD4 (L)	HPD4
1188	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives	CP061340.zip	MM1000JEFRB	HPDA (D)	HPDA
1189	Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives	CP061340.zip	MM2000JEFRC	HPDA (D)	HPDA
1190	Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH Drive	CP061555.zip	MM1000JFJTH	HPD5 (D)	HPD5
1191	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	CP061349.zip	MO003200JWFWR	HPD5 (I)	HPD5

1192	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	CP061349.zip	MO001920JWFWU	HPD5 (I)	HPD5
1193	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	CP061349.zip	MO001600JWFWQ	HPD5 (I)	HPD5
1194	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	CP061349.zip	MO000960JWFWT	HPD5 (I)	HPD5
1195	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	CP061349.zip	MO000800JWFWP	HPD5 (I)	HPD5
1196	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	CP061349.zip	MO000400JWFWN	HPD5 (I)	HPD5
1197	Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	CP061349.zip	MO003840JWFWV	HPD5 (I)	HPD5
1198	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP061345.zip	MO000800JXBEV	HPD1 (E)	HPD1
1199	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP061345.zip	MO001600JXBFP	HPD1 (E)	HPD1
1200	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV,	CP061345.zip	MO003200JXBFQ	HPD1 (E)	HPD1

	MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives				
1201	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP061345.zip	MO006400JXBFR	HPD1 (E)	HPD1
1202	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP061345.zip	MO000960JXBFA	HPD1 (E)	HPD1
1203	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP061345.zip	MO001920JXBFT	HPD1 (E)	HPD1
1204	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP061345.zip	MO003840JXBFU	HPD1 (E)	HPD1
1205	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP061345.zip	MO007680JXBGA	HPD1 (E)	HPD1
1206	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP061345.zip	MO015360JXBFV	HPD1 (E)	HPD1
1207	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP061345.zip	EO000400JXBEU	HPD1 (E)	HPD1
1208	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA,	CP061345.zip	EO000800JXBFL	HPD1 (E)	HPD1

	MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives				
1209	Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	CP061345.zip	EO001600JXBFN	HPD1 (E)	HPD1
1210	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP061569.zip	VO015300JWSSV	HPD8 (I)	HPD8
1211	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP061569.zip	VK007680JWSSU	HPD8 (I)	HPD8
1212	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP061569.zip	VK003840JWSST	HPD8 (I)	HPD8
1213	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP061569.zip	VK001920JWSSR	HPD8 (I)	HPD8
1214	Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	CP061569.zip	VK000960JWSSQ	HPD8 (I)	HPD8
1215	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP061461.zip	VO006400JWZJT	HPD5 (B)	HPD5
1216	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP061461.zip	VO003200JWZJR	HPD5 (B)	HPD5
1217	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP061461.zip	VO001600JWZJQ	HPD5 (B)	HPD5
1218	Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	CP061461.zip	VO000800JWZJP	HPD5 (B)	HPD5
1219	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA, EO001600JWTCB Drives	CP061369.zip	VO007680JWTBP	HPDB (B)	HPDB
1220	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ,	CP061369.zip	MO006400JWTCD	HPDB (B)	HPDB

	MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA, EO001600JWTCB Drives				
1221	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA, EO001600JWTCB Drives	CP061369.zip	VO003840JWTBN	HPDB (B)	HPDB
1222	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA, EO001600JWTCB Drives	CP061369.zip	MO003200JWTBU	HPDB (B)	HPDB
1223	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA, EO001600JWTCB Drives	CP061369.zip	EO003200JWTCC	HPDB (B)	HPDB
1224	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA, EO001600JWTCB Drives	CP061369.zip	VO001920JWTBL	HPDB (B)	HPDB
1225	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA, EO001600JWTCB Drives	CP061369.zip	MO001600JWTBT	HPDB (B)	HPDB
1226	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA, EO001600JWTCB Drives	CP061369.zip	EO001600JWTCB	HPDB (B)	HPDB
1227	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV,	CP061369.zip	VO000960JWTBK	HPDB (B)	HPDB

	EO000800JWTCA, EO001600JWTCB Drives				
1228	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA, EO001600JWTCB Drives	CP061369.zip	MO000800JWTBR	HPDB (B)	HPDB
1229	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA, EO001600JWTCB Drives	CP061369.zip	EO000800JWTCA	HPDB (B)	HPDB
1230	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA, EO001600JWTCB Drives	CP061369.zip	MO000400JWTBQ	HPDB (B)	HPDB
1231	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA, EO001600JWTCB Drives	CP061369.zip	EO000400JWTBV	HPDB (B)	HPDB
1232	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA, EO001600JWTCB Drives	CP061369.zip	MO001920JWWWV	HPDB (B)	HPDB
1233	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP061460.zip	VO015360JWZJN	HPD5 (B)	HPD5
1234	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP061460.zip	VO007680JWZJL	HPD5 (B)	HPD5
1235	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP061460.zip	VO003840JWZJK	HPD5 (B)	HPD5
1236	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and	CP061460.zip	VO001920JWZJH	HPD5 (B)	HPD5

	VO015360JWZJN Drives				
1237	Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	CP061460.zip	VO000960JWZJF	HPD5 (B)	HPD5
1238	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP061451.zip	VO007680RWUFC	HPD8 (B)	HPD8
1239	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP061451.zip	VO003840RWUFF	HPD8 (B)	HPD8
1240	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP061451.zip	VO003840RWUFB	HPD8 (B)	HPD8
1241	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP061451.zip	VO001920RWUFE	HPD8 (B)	HPD8
1242	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP061451.zip	VO001920RWUFA	HPD8 (B)	HPD8
1243	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP061451.zip	VO000960RWUFD	HPD8 (B)	HPD8
1244	Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	CP061451.zip	VO000960RWUEV	HPD8 (B)	HPD8
1245	Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO0000800XZCLQ and MO001600XZCLV Drives	CP062187.zip	VO003840XZCLT	HPD3	HPD3
1246	Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO0000800XZCLQ and MO001600XZCLV Drives	CP062187.zip	MO001600XZCLV	HPD3	HPD3
1247	Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO0000800XZCLQ and MO001600XZCLV Drives	CP062187.zip	MO0000800XZCLQ	HPD3	HPD3
1248	Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO0000800XZCLQ and MO001600XZCLV Drives	CP062187.zip	VO007680XZCMB	HPD3	HPD3
1249	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH,	CP061593.zip	MB014000JWRTH	HPD2 (I)	HPD2

	MB012000JWRTF and MB010000JWRTE Drives				
1250	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	CP061593.zip	MB012000JWRTF	HPD2 (I)	HPD2
1251	Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	CP061593.zip	MB010000JWRTE	HPD2 (I)	HPD2
1252	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWBHR Drive	cp061424.exe	EG000300JWBHR	HPD5 (E)	HPD5
1253	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWFVB Drive	cp061419.exe	EG000300JWFVB	HPD3 (E)	HPD3
1254	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	cp061520.exe	EG001200JWJNK	HPD5 (D)	HPD5
1255	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	cp061520.exe	EG000600JWJNH	HPD5 (D)	HPD5
1256	Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives	cp061520.exe	EG000300JWSJP	HPD5 (D)	HPD5
1257	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWFUV and EG001200JWFVA Drives	cp061428.exe	EG001200JWFVA	HPD4 (E)	HPD4
1258	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWFUV and EG001200JWFVA Drives	cp061428.exe	EG000600JWFUV	HPD4 (E)	HPD4
1259	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp061379.exe	EG001200MXJQU	HPD8 (B)	HPD8
1260	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp061379.exe	EG000600JXLVV	HPD8 (B)	HPD8
1261	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp061379.exe	EG001200JXLWA	HPD8 (B)	HPD8
1262	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp061379.exe	EG000600JWJNP	HPD8 (B)	HPD8
1263	Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives	cp061379.exe	EG001200JWJNQ	HPD8 (B)	HPD8
1264	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWFVC Drive	cp061429.exe	EG001800JWFVC	HPD4 (E)	HPD4
1265	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives	cp061586.exe	EG002400JWJNN	HPD5 (D)	HPD5
1266	Online HDD/SSD Flash Component for	cp061586.exe	EG001800JWJNL	HPD5 (D)	HPD5

	Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives				
1267	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp061381.exe	EG001800JWJNR	HPDA (C)	HPDA
1268	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp061381.exe	EG002400JWJNT	HPDA (C)	HPDA
1269	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp061381.exe	EG002400MXJQT	HPDA (C)	HPDA
1270	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp061381.exe	EG001800JXLWB	HPDA (C)	HPDA
1271	Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives	cp061381.exe	EG002400JXLWC	HPDA (C)	HPDA
1272	Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	cp061523.exe	EG1200JETKC	HPD8 (E)	HPD8
1273	Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	cp061523.exe	EG0600JETKA	HPD8 (E)	HPD8
1274	Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives	cp061523.exe	EG0900JETKB	HPD8 (E)	HPD8
1275	Online HDD/SSD Flash Component for Windows (x64) - EG1800JFHMH Drive	cp061431.exe	EG1800JFHMH	HPD8 (E)	HPD8
1276	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPK and EH000600JWHPH Drives	cp061587.exe	EH000600JWHPH	HPD8 (C)	HPD8
1277	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPK and EH000600JWHPH Drives	cp061587.exe	EH000900JWHPK	HPD8 (C)	HPD8
1278	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	cp061506.exe	EH000300JWHPL	HPD8 (C)	HPD8
1279	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	cp061506.exe	EH000600JWHPN	HPD8 (C)	HPD8
1280	Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives	cp061506.exe	EH000900JWHPP	HPD8 (C)	HPD8
1281	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp061538.exe	MO1600JVYPR	HPD7 (G)	HPD7
1282	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and	cp061538.exe	EO1600JVYPP	HPD7 (G)	HPD7

	MO1600JVYPR Drives				
1283	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp061538.exe	MK0800JVYPQ	HPD7 (G)	HPD7
1284	Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives	cp061538.exe	EK0800JVYPN	HPD7 (G)	HPD7
1285	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp061437.exe	EO001600JWDKR	HPD2 (H)	HPD2
1286	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp061437.exe	MO001600JWDLA	HPD2 (H)	HPD2
1287	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp061437.exe	MO003200JWDLB	HPD2 (H)	HPD2
1288	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp061437.exe	EO000400JWDKP	HPD2 (H)	HPD2
1289	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp061437.exe	MO000400JWDKU	HPD2 (H)	HPD2
1290	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp061437.exe	EO000800JWDKQ	HPD2 (H)	HPD2
1291	Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives	cp061437.exe	MO000800JWDKV	HPD2 (H)	HPD2
1292	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp062191.exe	EO000800PXDCK	HPD4	HPD4
1293	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU	cp062191.exe	MO000800PXDBP	HPD4	HPD4

	and VO015300PXDBV Drives				
1294	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp062191.exe	EO000400PXDBQ	HPD4	HPD4
1295	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp062191.exe	EO001600PXDCH	HPD4	HPD4
1296	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp062191.exe	MO001600PXDCC	HPD4	HPD4
1297	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp062191.exe	MO006400PXDCE	HPD4	HPD4
1298	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp062191.exe	VO007680PXDBU	HPD4	HPD4
1299	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp062191.exe	VO001920PXDBR	HPD4	HPD4
1300	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp062191.exe	VO015300PXDBV	HPD4	HPD4
1301	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp062191.exe	MO003200PXDCD	HPD4	HPD4
1302	Online HDD/SSD Flash Component for	cp062191.exe	VO000960PXDBN	HPD4	HPD4

	Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives				
1303	Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives	cp062191.exe	VO003840PXDBT	HPD4	HPD4
1304	Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives	cp061439.exe	MB002000JWFVN	HPD4 (F)	HPD4
1305	Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives	cp061439.exe	MB004000JWFVP	HPD4 (F)	HPD4
1306	Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives	cp061528.exe	MB004000JYDPB	HPD2 (E)	HPD2
1307	Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives	cp061528.exe	MB002000JYDNE	HPD2 (E)	HPD2
1308	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWFVK and MB006000JWFVL Drives	cp061441.exe	MB004000JWFVK	HPD4 (E)	HPD4
1309	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWFVK and MB006000JWFVL Drives	cp061441.exe	MB006000JWFVL	HPD4 (E)	HPD4
1310	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWKGU Drive	cp061442.exe	MB004000JWKGU	HPD2 (E)	HPD2
1311	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives	cp061522.exe	MB004000JWWQB	HPD8 (C)	HPD8
1312	Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives	cp061522.exe	MB002000JWWQA	HPD8 (C)	HPD8
1313	Online HDD/SSD Flash Component for Windows (x64) - MB006000JWKGN Drive	cp061458.exe	MB006000JWKGN	HPD2 (E)	HPD2
1314	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF and MB008000JYDPC Drives	cp061527.exe	MB006000JYDNF	HPD2 (E)	HPD2
1315	Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF and MB008000JYDPC Drives	cp061527.exe	MB008000JYDPC	HPD2 (E)	HPD2
1316	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWJRQ and MB006000JWJRP Drives	cp061535.exe	MB008000JWJRQ	HPD9 (F)	HPD9
1317	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWJRQ and MB006000JWJRP Drives	cp061535.exe	MB006000JWJRP	HPD9 (F)	HPD9
1318	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWRTD Drive	cp061463.exe	MB008000JWRTD	HPD2 (F)	HPD2
1319	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp061521.exe	MB006000JWWQN	HPD8 (C)	HPD8
1320	Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives	cp061521.exe	MB008000JWWQP	HPD8 (C)	HPD8

1321	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	cp061416.exe	MB010000GWZGT	HPG1 (D)	HPG1
1322	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	cp061416.exe	MB012000GWZGU	HPG1 (D)	HPG1
1323	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	cp061416.exe	MB014000GWZGV	HPG1 (D)	HPG1
1324	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	cp061416.exe	MB016000GWZHD	HPG1 (D)	HPG1
1325	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWAYK and MB008000JWAYH Drives	cp061467.exe	MB010000JWAYK	HPD6 (E)	HPD6
1326	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWAYK and MB008000JWAYH Drives	cp061467.exe	MB008000JWAYH	HPD6 (E)	HPD6
1327	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp061504.exe	MB010000JWZHA	HPD4 (C)	HPD4
1328	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp061504.exe	MB012000JWZHB	HPD4 (C)	HPD4
1329	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp061504.exe	MB014000JWZHC	HPD4 (C)	HPD4
1330	Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives	cp061504.exe	MB016000JWZHE	HPD4 (C)	HPD4
1331	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp061513.exe	MB010000JYDKK	HPD3 (B)	HPD3
1332	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp061513.exe	MB012000JYCJF	HPD3 (B)	HPD3
1333	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp061513.exe	MB014000JYCJV	HPD3 (B)	HPD3
1334	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives	cp061513.exe	MB016000JYDKL	HPD3 (B)	HPD3
1335	Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and	cp061513.exe	MB018000JYDKN	HPD3 (B)	HPD3

	MB018000JYDKN Drives				
1336	Online HDD/SSD Flash Component for Windows (x64) - MB012000JWDFD Drive	cp061929.exe	MB012000JWDFD	HPD4 (B)	HPD4
1337	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp061362.exe	MB012000JZYVN	HPD4 (B)	HPD4
1338	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp061362.exe	MB014000JZYVP	HPD4 (B)	HPD4
1339	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp061362.exe	MB016000JZYVQ	HPD4 (B)	HPD4
1340	Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives	cp061362.exe	MB018000JYCLK	HPD4 (B)	HPD4
1341	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	cp061471.exe	MB014000JWRTH	HPD2 (H)	HPD2
1342	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	cp061471.exe	MB012000JWRTF	HPD2 (H)	HPD2
1343	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives	cp061471.exe	MB010000JWRTE	HPD2 (H)	HPD2
1344	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWTFD and MB012000JWTFC Drives	cp061533.exe	MB014000JWTFD	HPD8 (F)	HPD8
1345	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWTFD and MB012000JWTFC Drives	cp061533.exe	MB012000JWTFC	HPD8 (F)	HPD8
1346	Online HDD/SSD Flash Component for Windows (x64) - MB014000JWUDB Drive	cp061493.exe	MB014000JWUDB	HPD4 (B)	HPD4
1347	Online HDD/SSD Flash Component for Windows (x64) - MB014000JXUCC Drive	cp061546.exe	MB014000JXUCC	HPD4 (B)	HPD4
1348	Online HDD/SSD Flash Component for Windows (x64) - MB016000JWXKH Drive	cp061375.exe	MB016000JWXKH	HPDA (B)	HPDA
1349	Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives	cp061585.exe	MB016000JXLBA	HPD3 (B)	HPD3
1350	Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives	cp061585.exe	MB018000JXLAU	HPD3 (B)	HPD3
1351	Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives	cp061515.exe	MB020000JXMTP	HPD2 (B)	HPD2
1352	Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives	cp061515.exe	MB018000JXMTH	HPD2 (B)	HPD2
1353	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFDSL and MB4000JFDSN Drives	cp061476.exe	MB2000JFDSL	HPD4 (J)	HPD4
1354	Online HDD/SSD Flash Component for Windows (x64) - MB2000JFDSL and MB4000JFDSN Drives	cp061476.exe	MB4000JFDSN	HPD4 (J)	HPD4
1355	Online HDD/SSD Flash Component for	cp061529.exe	MM1000JEFRB	HPDA (D)	HPDA

	Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives				
1356	Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp061529.exe	MM2000JEFRC	HPDA (D)	HPDA
1357	Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH Drive	cp061530.exe	MM1000JFJTH	HPD5 (D)	HPD5
1358	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	cp061488.exe	MO003200JWFWR	HPD5 (H)	HPD5
1359	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	cp061488.exe	MO001920JWFWU	HPD5 (H)	HPD5
1360	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	cp061488.exe	MO001600JWFWQ	HPD5 (H)	HPD5
1361	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	cp061488.exe	MO000960JWFWT	HPD5 (H)	HPD5
1362	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	cp061488.exe	MO000800JWFWP	HPD5 (H)	HPD5
1363	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	cp061488.exe	MO000400JWFWN	HPD5 (H)	HPD5
1364	Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives	cp061488.exe	MO003840JWFWV	HPD5 (H)	HPD5
1365	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ,	cp061508.exe	MO000800JXBEV	HPD1 (E)	HPD1

	MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives				
1366	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	MO001600JXBFP	HPD1 (E)	HPD1
1367	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	MO003200JXBFQ	HPD1 (E)	HPD1
1368	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	MO006400JXBFR	HPD1 (E)	HPD1
1369	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	MO000960JXBFA	HPD1 (E)	HPD1
1370	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	MO001920JXBFT	HPD1 (E)	HPD1
1371	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	MO003840JXBFU	HPD1 (E)	HPD1
1372	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	EO000400JXBEU	HPD1 (E)	HPD1
1373	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU,	cp061508.exe	EO000800JXBFL	HPD1 (E)	HPD1

	MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives				
1374	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	EO001600JXBFN	HPD1 (E)	HPD1
1375	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	MO015360JXBFV	HPD1 (E)	HPD1
1376	Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives	cp061508.exe	MO007680JXBGA	HPD1 (E)	HPD1
1377	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp061536.exe	VO015300JWSSV	HPD8 (G)	HPD8
1378	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp061536.exe	VK007680JWSSU	HPD8 (G)	HPD8
1379	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp061536.exe	VK003840JWSST	HPD8 (G)	HPD8
1380	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp061536.exe	VK001920JWSSR	HPD8 (G)	HPD8
1381	Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives	cp061536.exe	VK000960JWSSQ	HPD8 (G)	HPD8
1382	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp061549.exe	VO006400JWZJT	HPD5 (B)	HPD5
1383	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp061549.exe	VO003200JWZJR	HPD5 (B)	HPD5
1384	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives	cp061549.exe	VO001600JWZJQ	HPD5 (B)	HPD5
1385	Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP,	cp061549.exe	VO000800JWZJP	HPD5 (B)	HPD5

	VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives				
1386	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	cp061507.exe	VO007680JWTBP	HPDB (B)	HPDB
1387	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	cp061507.exe	MO006400JWTCD	HPDB (B)	HPDB
1388	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	cp061507.exe	VO003840JWTBN	HPDB (B)	HPDB
1389	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	cp061507.exe	MO003200JWTBU	HPDB (B)	HPDB
1390	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	cp061507.exe	EO003200JWTCC	HPDB (B)	HPDB
1391	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	cp061507.exe	VO001920JWTBL	HPDB (B)	HPDB
1392	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	cp061507.exe	MO001600JWTBT	HPDB (B)	HPDB
1393	Online HDD/SSD Flash Component for	cp061507.exe	EO001600JWTCB	HPDB (B)	HPDB

	Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives				
1394	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	cp061507.exe	VO000960JWTBK	HPDB (B)	HPDB
1395	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	cp061507.exe	MO000800JWTBR	HPDB (B)	HPDB
1396	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	cp061507.exe	EO000800JWTCA	HPDB (B)	HPDB
1397	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	cp061507.exe	MO000400JWTBQ	HPDB (B)	HPDB
1398	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	cp061507.exe	EO000400JWTBV	HPDB (B)	HPDB
1399	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives	cp061507.exe	MO001920JWWWV	HPDB (B)	HPDB
1400	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and	cp061550.exe	VO015360JWZJN	HPD5 (B)	HPD5

	VO015360JWZJN Drives				
1401	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp061550.exe	VO007680JWZJL	HPD5 (B)	HPD5
1402	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp061550.exe	VO003840JWZJK	HPD5 (B)	HPD5
1403	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp061550.exe	VO001920JWZJH	HPD5 (B)	HPD5
1404	Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives	cp061550.exe	VO000960JWZJF	HPD5 (B)	HPD5
1405	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp061519.exe	VO007680RWUFC	HPD8 (B)	HPD8
1406	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp061519.exe	VO003840RWUFF	HPD8 (B)	HPD8
1407	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp061519.exe	VO003840RWUFB	HPD8 (B)	HPD8
1408	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp061519.exe	VO001920RWUFE	HPD8 (B)	HPD8
1409	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp061519.exe	VO001920RWUFA	HPD8 (B)	HPD8
1410	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp061519.exe	VO000960RWUFD	HPD8 (B)	HPD8
1411	Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives	cp061519.exe	VO000960RWUEV	HPD8 (B)	HPD8
1412	Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ	cp062188.exe	VO003840XZCLT	HPD3	HPD3

	and MO001600XZCLV Drives				
1413	Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	cp062188.exe	MO001600XZCLV	HPD3	HPD3
1414	Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	cp062188.exe	MO000800XZCLQ	HPD3	HPD3
1415	Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives	cp062188.exe	VO007680XZCMB	HPD3	HPD3
1416	Universal Firmware Package for Drives - MB020000JXMVU	WDC_ParisD_WparisdASFD1.fwpkg	MB020000JXMVU	HPD1	HPD1
1417	Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD	Seagate_Summit_SUMMITSUSND1.fwpkg	MB12000JYESN	HPD1	HPD1
1418	Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD	Seagate_Summit_SUMMITSUSND1.fwpkg	MB16000JYEVC	HPD1	HPD1
1419	Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD	Seagate_Summit_SUMMITSUSND1.fwpkg	MB20000JYEVD	HPD1	HPD1
1420	Universal Firmware Package for Drives - MB24000JYEVE	Seagate_Summit_SUMMITSUSSD1.fwpkg	MB24000JYEVE	HPD1	HPD1
1421	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SLNGBPHPESD5.fwpkg	MO000960RXKRC	HPD5	HPD5
1422	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SLNGBPHPESD5.fwpkg	MO001920RXKRH	HPD5	HPD5
1423	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SLNGBPHPESD5.fwpkg	MO003840RXKRK	HPD5	HPD5
1424	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SLNGBPHPESD5.fwpkg	VO000960RXKRB	HPD5	HPD5
1425	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SLNGBPHPESD5.fwpkg	VO001920RXKRD	HPD5	HPD5
1426	Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE	Seagate_LangeBP_SLNGBPHPESD5.fwpkg	VO003840RXKRE	HPD5	HPD5
1427	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCOOPRHPESD4.fwpkg	MO000960RXRQK	HPD4	HPD4
1428	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL,	Seagate_Cooper_SCOOPRHPESD4.fwpkg	MO001920RXRRH	HPD4	HPD4

	VO003840RXRRN and VO007680RYEWD				
1429	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCOOPRHPESD4.fwpkg	MO003840RXRRK	HPD4	HPD4
1430	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCOOPRHPESD4.fwpkg	VO000960RXRQL	HPD4	HPD4
1431	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCOOPRHPESD4.fwpkg	VO001920RXRRL	HPD4	HPD4
1432	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCOOPRHPESD4.fwpkg	VO003840RXRRN	HPD4	HPD4
1433	Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD	Seagate_Cooper_SCOOPRHPESD4.fwpkg	VO007680RYEWD	HPD4	HPD4
1434	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7ALSHPD2.fwpkg	VO015360PXMTU	HPD2	HPD2
1435	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7ALSHPD2.fwpkg	VO007680PXMTT	HPD2	HPD2
1436	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7ALSHPD2.fwpkg	VO003840PXMTR	HPD2	HPD2
1437	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7ALSHPD2.fwpkg	VO001920PXMTL	HPD2	HPD2
1438	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7ALSHPD2.fwpkg	MO006400PXMUA	HPD2	HPD2
1439	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL,	Kioxia_PM7_KAPM7ALSHPD2.fwpkg	MO003200PXMTV	HPD2	HPD2

	VO003840PXMTR, VO007680PXMTT and VO015360PXMTU				
1440	Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU	Kioxia_PM7_KAPM7ALS HPD2.fwpkg	MO001600PXMTN	HPD2	HPD2
1441	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_GP M1655SAMD3.fwpkg	MO001600PZWSH	HPD3	HPD3
1442	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_GP M1655SAMD3.fwpkg	MO003200PZWSK	HPD3	HPD3
1443	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_GP M1655SAMD3.fwpkg	MO000800PZWSF	HPD3	HPD3
1444	Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA	Samsung_PM165X_GP M1655SAMD3.fwpkg	MO006400PZXFA	HPD3	HPD3
1445	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_GP M1653SAMD3.fwpkg	VO000960PZWSL	HPD3	HPD3
1446	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_GP M1653SAMD3.fwpkg	VO001920PZWSN	HPD3	HPD3
1447	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_GP M1653SAMD3.fwpkg	VO003840PZWSP	HPD3	HPD3
1448	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_GP M1653SAMD3.fwpkg	VO007680PZXFB	HPD3	HPD3
1449	Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU	Samsung_PM165X_GP M1653SAMD3.fwpkg	VO015360PZXEU	HPD3	HPD3
1450	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6ALS HPD1.fwpkg	VO000960RZWUP	HPD1	HPD1
1451	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6ALS HPD1.fwpkg	VO000960RZWUQ	HPD1	HPD1
1452	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6ALS HPD1.fwpkg	VO001920RZWUR	HPD1	HPD1
1453	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV,	Kioxia_RM6_KARM6ALS HPD1.fwpkg	VO001920RZWUV	HPD1	HPD1

	VO003840RZWUT, VO003840RZWVA and VO007680RZWUU				
1454	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6ALS HPD1.fwpkg	VO003840RZWUT	HPD1	HPD1
1455	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6ALS HPD1.fwpkg	VO003840RZWVA	HPD1	HPD1
1456	Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU	Kioxia_RM6_KARM6ALS HPD1.fwpkg	VO007680RZWUU	HPD1	HPD1

6.2.14 Firmware - SATA Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1457	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWCBC and MB002000GWCBD Drives	firmware-hdd-68b12e54d2-HPG6-11.1.x86_64.rpm	MB001000GWCBC	HPG6 (K)	HPG6
1458	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWCBC and MB002000GWCBD Drives	firmware-hdd-68b12e54d2-HPG6-11.1.x86_64.rpm	MB002000GWCBD	HPG6 (K)	HPG6
1459	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWFWK and MB002000GWFWL Drives	firmware-hdd-bfc4af697b-HPG6-11.1.x86_64.rpm	MB001000GWFWK	HPG6 (K)	HPG6
1460	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWFWK and MB002000GWFWL Drives	firmware-hdd-bfc4af697b-HPG6-11.1.x86_64.rpm	MB002000GWFWL	HPG6 (K)	HPG6
1461	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	firmware-hdd-d39e7a7e75-HPG1-12.1.x86_64.rpm	MB004000GWFWB	HPG1 (L)	HPG1
1462	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	firmware-hdd-d39e7a7e75-HPG1-12.1.x86_64.rpm	MB002000GWFWA	HPG1 (L)	HPG1
1463	Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	firmware-hdd-d39e7a7e75-HPG1-12.1.x86_64.rpm	MB001000GWJAN	HPG1 (L)	HPG1
1464	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWKGV Drive	firmware-hdd-ca21e169e2-HPG1-11.1.x86_64.rpm	MB004000GWKGV	HPG1 (K)	HPG1
1465	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	firmware-hdd-12304c1aca-HPG6-3.1.x86_64.rpm	MB004000GWWQH	HPG6 (C)	HPG6
1466	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	firmware-hdd-12304c1aca-HPG6-3.1.x86_64.rpm	MB002000GWWQF	HPG6 (C)	HPG6
1467	Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	firmware-hdd-12304c1aca-HPG6-3.1.x86_64.rpm	MB001000GWWQE	HPG6 (C)	HPG6
1468	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWBXQ and	firmware-hdd-a1fd19f9ca-HPG8-	MB006000GWBXQ	HPG8 (K)	HPG8

	MB008000GWBYL Drives	11.1.x86_64.rpm			
1469	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWBXQ and MB008000GWBYL Drives	firmware-hdd-a1fd19f9ca-HPG8-11.1.x86_64.rpm	MB008000GWBYL	HPG8 (K)	HPG8
1470	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWJRR and MB008000GWJRT Drives	firmware-hdd-c993b31232-HPG6-4.1.x86_64.rpm	MB008000GWJRT	HPG6 (D)	HPG6
1471	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWJRR and MB008000GWJRT Drives	firmware-hdd-c993b31232-HPG6-4.1.x86_64.rpm	MB006000GWJRR	HPG6 (D)	HPG6
1472	Online HDD/SSD Flash Component for Linux (x64) - MB006000GWKGR Drive	firmware-hdd-7f2a26e6d0-HPG1-11.1.x86_64.rpm	MB006000GWKGR	HPG1 (K)	HPG1
1473	Online HDD/SSD Flash Component for Linux (x64) - MB008000GWRTC Drive	firmware-hdd-82894b9e0a-HPG1-11.1.x86_64.rpm	MB008000GWRTC	HPG1 (K)	HPG1
1474	Online HDD/SSD Flash Component for Linux (x64) - MB008000GWWQU and MB006000GWWQT Drives	firmware-hdd-18e328f036-HPG8-3.1.x86_64.rpm	MB008000GWWQU	HPG8 (C)	HPG8
1475	Online HDD/SSD Flash Component for Linux (x64) - MB008000GWWQU and MB006000GWWQT Drives	firmware-hdd-18e328f036-HPG8-3.1.x86_64.rpm	MB006000GWWQT	HPG8 (C)	HPG8
1476	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWAYN and MB008000GWAYL Drives	firmware-hdd-cc819d4bff-HPG5-11.1.x86_64.rpm	MB010000GWAYN	HPG5 (K)	HPG5
1477	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWAYN and MB008000GWAYL Drives	firmware-hdd-cc819d4bff-HPG5-11.1.x86_64.rpm	MB008000GWAYL	HPG5 (K)	HPG5
1478	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	firmware-hdd-7a1edae8e7-HPG1-5.1.x86_64.rpm	MB010000GWZGT	HPG1 (E)	HPG1
1479	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	firmware-hdd-7a1edae8e7-HPG1-5.1.x86_64.rpm	MB012000GWZGU	HPG1 (E)	HPG1
1480	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	firmware-hdd-7a1edae8e7-HPG1-5.1.x86_64.rpm	MB014000GWZGV	HPG1 (E)	HPG1
1481	Online HDD/SSD Flash Component for Linux (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	firmware-hdd-7a1edae8e7-HPG1-5.1.x86_64.rpm	MB016000GWZHD	HPG1 (E)	HPG1
1482	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG2-2.1.x86_64.rpm	MB010000GYDKP	HPG2 (B)	HPG2
1483	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG2-2.1.x86_64.rpm	MB016000GYDKQ	HPG2 (B)	HPG2
1484	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG2-2.1.x86_64.rpm	MB018000GYDKR	HPG2 (B)	HPG2
1485	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT,	firmware-hdd-4fbb6d96e5-HPG2-2.1.x86_64.rpm	MB012000GYCJL	HPG2 (B)	HPG2

	MB016000GYDKQ and MB018000GYDKR Drives				
1486	Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	firmware-hdd-4fbb6d96e5-HPG2-2.1.x86_64.rpm	MB014000GYCJT	HPG2 (B)	HPG2
1487	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWDFE Drive	firmware-hdd-059b8654a6-HPG5-2.1.x86_64.rpm	MB012000GWDFE	HPG5 (B)	HPG5
1488	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFF Drives	firmware-hdd-b78255e146-HPG8-4.1.x86_64.rpm	MB014000GWTFF	HPG8 (D)	HPG8
1489	Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFF Drives	firmware-hdd-b78255e146-HPG8-4.1.x86_64.rpm	MB012000GWTFE	HPG8 (D)	HPG8
1490	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-2.1.x86_64.rpm	MB012000GZYVT	HPG4 (B)	HPG4
1491	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-2.1.x86_64.rpm	MB014000GZYVU	HPG4 (B)	HPG4
1492	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-2.1.x86_64.rpm	MB016000GZYVV	HPG4 (B)	HPG4
1493	Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	firmware-hdd-e0171a2936-HPG4-2.1.x86_64.rpm	MB018000GYCLL	HPG4 (B)	HPG4
1494	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	firmware-hdd-6b7ce3da0e-HPG2-11.1.x86_64.rpm	MB014000GWRTN	HPG2 (K)	HPG2
1495	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	firmware-hdd-6b7ce3da0e-HPG2-11.1.x86_64.rpm	MB012000GWRTL	HPG2 (K)	HPG2
1496	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	firmware-hdd-6b7ce3da0e-HPG2-11.1.x86_64.rpm	MB010000GWRTK	HPG2 (K)	HPG2
1497	Online HDD/SSD Flash Component for Linux (x64) - MB014000GWUDA Drive	firmware-hdd-41cdb1c9da-HPG3-2.1.x86_64.rpm	MB014000GWUDA	HPG3 (B)	HPG3
1498	Online HDD/SSD Flash Component for Linux (x64) - MB016000GWXKK Drive	firmware-hdd-e4f147cdd2-HPG4-3.1.x86_64.rpm	MB016000GWXKK	HPG4 (C)	HPG4
1499	Online HDD/SSD Flash Component for Linux (x64) - MB018000GXMTK and MB020000GXMTQ Drives	firmware-hdd-3496cc4743-HPG2-2.1.x86_64.rpm	MB020000GXMTQ	HPG2 (B)	HPG2
1500	Online HDD/SSD Flash Component for Linux (x64) - MB018000GXMTK and MB020000GXMTQ Drives	firmware-hdd-3496cc4743-HPG2-2.1.x86_64.rpm	MB018000GXMTK	HPG2 (B)	HPG2
1501	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	firmware-hdd-f693ccc138-HPG3-9.1.x86_64.rpm	MK003840GWSSF	HPG3 (I)	HPG3
1502	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	firmware-hdd-f693ccc138-HPG3-9.1.x86_64.rpm	MK001920GWSSE	HPG3 (I)	HPG3
1503	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC,	firmware-hdd-f693ccc138-HPG3-	MK000960GWSSD	HPG3 (I)	HPG3

	MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	9.1.x86_64.rpm			
1504	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	firmware-hdd-f693ccc138-HPG3-9.1.x86_64.rpm	MK000480GWSSC	HPG3 (I)	HPG3
1505	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-3.1.x86_64.rpm	MK003840GWXFL	HPG3 (C)	HPG3
1506	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-3.1.x86_64.rpm	MK001920GWXFK	HPG3 (C)	HPG3
1507	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-3.1.x86_64.rpm	MK000960GWXFH	HPG3 (C)	HPG3
1508	Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	firmware-hdd-8e1e8083c5-HPG3-3.1.x86_64.rpm	MK000480GWXFF	HPG3 (C)	HPG3
1509	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-3.1.x86_64.rpm	MK000480GZXRA	HPG1 (C)	HPG1
1510	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-3.1.x86_64.rpm	MK001920GZXRC	HPG1 (C)	HPG1
1511	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-3.1.x86_64.rpm	MK000960GZXRB	HPG1 (C)	HPG1
1512	Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	firmware-hdd-9475583fb5-HPG1-3.1.x86_64.rpm	MK003840GZXRV	HPG1 (C)	HPG1
1513	Online HDD/SSD Flash Component for Linux (x64) - MM1000GFJTE Drive	firmware-hdd-95af9a555e-HPG6-4.1.x86_64.rpm	MM1000GFJTE	HPG6 (D)	HPG6
1514	Online HDD/SSD Flash Component for Linux (x64) - MM2000GEFRA Drive	firmware-hdd-ec908c3650-HPG9-4.1.x86_64.rpm	MM2000GEFRA	HPG9 (D)	HPG9
1515	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd-aef2a690c9-HPG5-10.1.x86_64.rpm	MK001920GWJPQ	HPG5 (J)	HPG5
1516	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd-aef2a690c9-HPG5-10.1.x86_64.rpm	VK001920GWJPH	HPG5 (J)	HPG5
1517	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd-aef2a690c9-HPG5-10.1.x86_64.rpm	MK000240GWKVK	HPG5 (J)	HPG5
1518	Online HDD/SSD Flash Component for	firmware-hdd-	VK000240GWJPD	HPG5 (J)	HPG5

	Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	aef2a690c9-HPG5-10.1.x86_64.rpm			
1519	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd-aef2a690c9-HPG5-10.1.x86_64.rpm	VK003840GWJPK	HPG5 (J)	HPG5
1520	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd-aef2a690c9-HPG5-10.1.x86_64.rpm	MK000480GWJPN	HPG5 (J)	HPG5
1521	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd-aef2a690c9-HPG5-10.1.x86_64.rpm	VK000480GWJPE	HPG5 (J)	HPG5
1522	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd-aef2a690c9-HPG5-10.1.x86_64.rpm	MK000960GWJPP	HPG5 (J)	HPG5
1523	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	firmware-hdd-aef2a690c9-HPG5-10.1.x86_64.rpm	VK000960GWJPF	HPG5 (J)	HPG5
1524	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd-db687966b4-HPG4-9.1.x86_64.rpm	VK003840GWSRV	HPG4 (I)	HPG4
1525	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd-db687966b4-HPG4-9.1.x86_64.rpm	VK001920GWSRU	HPG4 (I)	HPG4
1526	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd-db687966b4-HPG4-9.1.x86_64.rpm	VK000960GWSRT	HPG4 (I)	HPG4
1527	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd-db687966b4-HPG4-9.1.x86_64.rpm	VK000480GWSRR	HPG4 (I)	HPG4
1528	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	firmware-hdd-db687966b4-HPG4-9.1.x86_64.rpm	VK000240GWSRQ	HPG4 (I)	HPG4

1529	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-3.1.x86_64.rpm	VK003840GWTTD	HPG7 (C)	HPG7
1530	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-3.1.x86_64.rpm	MK003840GWTTN	HPG7 (C)	HPG7
1531	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-3.1.x86_64.rpm	VK001920GWTTC	HPG7 (C)	HPG7
1532	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-3.1.x86_64.rpm	MK001920GWTTL	HPG7 (C)	HPG7
1533	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-3.1.x86_64.rpm	VK000960GWTTB	HPG7 (C)	HPG7
1534	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-3.1.x86_64.rpm	MK000960GWTTK	HPG7 (C)	HPG7
1535	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-3.1.x86_64.rpm	VK000480GWTTA	HPG7 (C)	HPG7
1536	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-3.1.x86_64.rpm	MK000480GWTTH	HPG7 (C)	HPG7
1537	Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	firmware-hdd-c566d63ca0-HPG7-3.1.x86_64.rpm	VK000240GWTSV	HPG7 (C)	HPG7
1538	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL,	firmware-hdd-8f9bf23306-HPG1-8.1.x86_64.rpm	VK000240GXAWE	HPG1 (H)	HPG1

	VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives				
1539	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-HPG1-8.1.x86_64.rpm	VK000480GXAWK	HPG1 (H)	HPG1
1540	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-HPG1-8.1.x86_64.rpm	VK000960GXAWL	HPG1 (H)	HPG1
1541	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-HPG1-8.1.x86_64.rpm	VK003840GXAWP	HPG1 (H)	HPG1
1542	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-HPG1-8.1.x86_64.rpm	VK007680GXAWQ	HPG1 (H)	HPG1
1543	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-HPG1-8.1.x86_64.rpm	MK000480GXAWF	HPG1 (H)	HPG1
1544	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-HPG1-8.1.x86_64.rpm	MK000960GXAXB	HPG1 (H)	HPG1
1545	Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR,	firmware-hdd-8f9bf23306-HPG1-8.1.x86_64.rpm	MK001920GXAWR	HPG1 (H)	HPG1

	MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives				
1546	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-HPG1-8.1.x86_64.rpm	MK003840GXAWT	HPG1 (H)	HPG1
1547	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-HPG1-8.1.x86_64.rpm	VR000240GXBBL	HPG1 (H)	HPG1
1548	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-HPG1-8.1.x86_64.rpm	MR000480GXBGH	HPG1 (H)	HPG1
1549	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-HPG1-8.1.x86_64.rpm	MR000960GXBGK	HPG1 (H)	HPG1
1550	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-HPG1-8.1.x86_64.rpm	VK001920GXAWN	HPG1 (H)	HPG1
1551	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-3.1.x86_64.rpm	VK001920GZXQV	HPG1 (C)	HPG1
1552	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-3.1.x86_64.rpm	VK003840GZXRH	HPG1 (C)	HPG1
1553	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-3.1.x86_64.rpm	VK007680GZXRT	HPG1 (C)	HPG1
1554	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU,	firmware-hdd-abd133f0de-HPG1-3.1.x86_64.rpm	VK000960GZXQU	HPG1 (C)	HPG1

	VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives				
1555	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-3.1.x86_64.rpm	VK000480GZXRF	HPG1 (C)	HPG1
1556	Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	firmware-hdd-abd133f0de-HPG1-3.1.x86_64.rpm	VK000240GZXRU	HPG1 (C)	HPG1
1557	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd-9e87eecb3f-HPG3-7.1.x86_64.rpm	VK001920GWSXK	HPG3 (G)	HPG3
1558	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd-9e87eecb3f-HPG3-7.1.x86_64.rpm	MK001920GWUGK	HPG3 (G)	HPG3
1559	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd-9e87eecb3f-HPG3-7.1.x86_64.rpm	VK000960GWSXH	HPG3 (G)	HPG3
1560	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd-9e87eecb3f-HPG3-7.1.x86_64.rpm	MK000960GWUGH	HPG3 (G)	HPG3
1561	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd-9e87eecb3f-HPG3-7.1.x86_64.rpm	VK000480GWSXF	HPG3 (G)	HPG3
1562	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	firmware-hdd-9e87eecb3f-HPG3-7.1.x86_64.rpm	MK000480GWUGF	HPG3 (G)	HPG3
1563	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd-492a9952f6-HPG5-1.1.x86_64.rpm	VK003840GWTHD	HPG5	HPG5
1564	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd-492a9952f6-HPG5-1.1.x86_64.rpm	VK001920GWTHC	HPG5	HPG5
1565	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd-492a9952f6-HPG5-1.1.x86_64.rpm	VK000960GWTHB	HPG5	HPG5
1566	Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	firmware-hdd-492a9952f6-HPG5-1.1.x86_64.rpm	VK000480GWTHA	HPG5	HPG5
1567	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE,	firmware-hdd-befd42bd64-HPG3-	VK000480GZCNE	HPG3 (C)	HPG3

	VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	3.1.x86_64.rpm			
1568	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG3-3.1.x86_64.rpm	VK000960GZCNF	HPG3 (C)	HPG3
1569	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG3-3.1.x86_64.rpm	VK001920GZCNH	HPG3 (C)	HPG3
1570	Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	firmware-hdd-befd42bd64-HPG3-3.1.x86_64.rpm	VK003840GZCNK	HPG3 (C)	HPG3
1571	Online HDD/SSD Flash Component for Linux (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	firmware-hdd-4b4177239b-HPG3-5.1.x86_64.rpm	VK000960GXCLD	HPG3 (E)	HPG3
1572	Online HDD/SSD Flash Component for Linux (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	firmware-hdd-4b4177239b-HPG3-5.1.x86_64.rpm	VK007680GXCGR	HPG3 (E)	HPG3
1573	Online HDD/SSD Flash Component for Linux (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	firmware-hdd-4b4177239b-HPG3-5.1.x86_64.rpm	VK001920GXCGP	HPG3 (E)	HPG3
1574	Online HDD/SSD Flash Component for Linux (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	firmware-hdd-4b4177239b-HPG3-5.1.x86_64.rpm	VK003840GXCGQ	HPG3 (E)	HPG3
1575	Online HDD/SSD Flash Component for Linux (x64) - VK003840GWSXL Drive	firmware-hdd-d1cf327bc4-HPG3-7.1.x86_64.rpm	VK003840GWSXL	HPG3 (G)	HPG3
1576	Online HDD/SSD Flash Component for Linux (x64) - VK007680GWSXN Drive	firmware-hdd-b460823f70-HPG3-7.1.x86_64.rpm	VK007680GWSXN	HPG3 (G)	HPG3
1577	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWCBC and MB002000GWCBD Drives	CP061387.zip	MB001000GWCBC	HPG6 (I)	HPG6
1578	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWCBC and MB002000GWCBD Drives	CP061387.zip	MB002000GWCBD	HPG6 (I)	HPG6
1579	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWFWK and MB002000GWFWL Drives	CP061411.zip	MB001000GWFWK	HPG6 (J)	HPG6
1580	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWFWK and MB002000GWFWL Drives	CP061411.zip	MB002000GWFWL	HPG6 (J)	HPG6
1581	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	CP061412.zip	MB004000GWFWB	HPG1 (J)	HPG1
1582	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	CP061412.zip	MB002000GWFWA	HPG1 (J)	HPG1
1583	Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	CP061412.zip	MB001000GWJAN	HPG1 (J)	HPG1
1584	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWKGV Drive	CP061415.zip	MB004000GWKGV	HPG1 (J)	HPG1
1585	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and	CP061433.zip	MB004000GWWQH	HPG6 (B)	HPG6

	MB001000GWWQE Drives				
1586	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	CP061433.zip	MB002000GWWQF	HPG6 (B)	HPG6
1587	Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	CP061433.zip	MB001000GWWQE	HPG6 (B)	HPG6
1588	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWBXQ and MB008000GWBYL Drives	CP061486.zip	MB006000GWBXQ	HPG8 (I)	HPG8
1589	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWBXQ and MB008000GWBYL Drives	CP061486.zip	MB008000GWBYL	HPG8 (I)	HPG8
1590	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWJRR and MB008000GWJRT Drives	CP061445.zip	MB008000GWJRT	HPG6 (B)	HPG6
1591	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWJRR and MB008000GWJRT Drives	CP061445.zip	MB006000GWJRR	HPG6 (B)	HPG6
1592	Online HDD/SSD Flash Component for VMware ESXi - MB006000GWKGR Drive	CP061414.zip	MB006000GWKGR	HPG1 (J)	HPG1
1593	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWRTC Drive	CP061421.zip	MB008000GWRTC	HPG1 (J)	HPG1
1594	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWWQU and MB006000GWWQT Drives	CP061432.zip	MB008000GWWQU	HPG8 (B)	HPG8
1595	Online HDD/SSD Flash Component for VMware ESXi - MB008000GWWQU and MB006000GWWQT Drives	CP061432.zip	MB006000GWWQT	HPG8 (B)	HPG8
1596	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWAYN and MB008000GWAYL Drives	CP061590.zip	MB010000GWAYN	HPG5 (J)	HPG5
1597	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWAYN and MB008000GWAYL Drives	CP061590.zip	MB008000GWAYL	HPG5 (J)	HPG5
1598	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	CP061380.zip	MB010000GWZGT	HPG1 (D)	HPG1
1599	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	CP061380.zip	MB012000GWZGU	HPG1 (D)	HPG1
1600	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	CP061380.zip	MB014000GWZGV	HPG1 (D)	HPG1
1601	Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives	CP061380.zip	MB016000GWZHD	HPG1 (D)	HPG1
1602	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP061556.zip	MB010000GYDKP	HPG2 (B)	HPG2
1603	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP,	CP061556.zip	MB016000GYDKQ	HPG2 (B)	HPG2

	MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives				
1604	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP061556.zip	MB018000GYDKR	HPG2 (B)	HPG2
1605	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP061556.zip	MB012000GYCJL	HPG2 (B)	HPG2
1606	Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	CP061556.zip	MB014000GYCJT	HPG2 (B)	HPG2
1607	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWDFE Drive	CP061423.zip	MB012000GWDFE	HPG5 (B)	HPG5
1608	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFF Drives	CP061422.zip	MB014000GWTFF	HPG8 (B)	HPG8
1609	Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFF Drives	CP061422.zip	MB012000GWTFE	HPG8 (B)	HPG8
1610	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP061357.zip	MB012000GZYVT	HPG4 (B)	HPG4
1611	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP061357.zip	MB014000GZYVU	HPG4 (B)	HPG4
1612	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP061357.zip	MB016000GZYVV	HPG4 (B)	HPG4
1613	Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	CP061357.zip	MB018000GYCLL	HPG4 (B)	HPG4
1614	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	CP061390.zip	MB014000GWRTN	HPG2 (I)	HPG2
1615	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	CP061390.zip	MB012000GWRTL	HPG2 (I)	HPG2
1616	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	CP061390.zip	MB010000GWRTK	HPG2 (I)	HPG2
1617	Online HDD/SSD Flash Component for VMware ESXi - MB014000GWUDA Drive	CP061651.zip	MB014000GWUDA	HPG3 (B)	HPG3
1618	Online HDD/SSD Flash Component for VMware ESXi - MB016000GWXKK Drive	CP061447.zip	MB016000GWXKK	HPG4 (B)	HPG4
1619	Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives	CP061572.zip	MB020000GXMTQ	HPG2 (B)	HPG2
1620	Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and	CP061572.zip	MB018000GXMTK	HPG2 (B)	HPG2

	MB020000GXMTQ Drives				
1621	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP061434.zip	MK003840GWSSF	HPG3 (G)	HPG3
1622	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP061434.zip	MK001920GWSSE	HPG3 (G)	HPG3
1623	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP061434.zip	MK000960GWSSD	HPG3 (G)	HPG3
1624	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	CP061434.zip	MK000480GWSSC	HPG3 (G)	HPG3
1625	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP061347.zip	MK003840GWXFL	HPG3 (B)	HPG3
1626	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP061347.zip	MK001920GWXFK	HPG3 (B)	HPG3
1627	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP061347.zip	MK000960GWXFH	HPG3 (B)	HPG3
1628	Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	CP061347.zip	MK000480GWXFF	HPG3 (B)	HPG3
1629	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.	CP061456.zip	MK000480GZXRA	HPG1 (B)	HPG1
1630	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.	CP061456.zip	MK001920GZXRC	HPG1 (B)	HPG1
1631	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.	CP061456.zip	MK000960GZXRB	HPG1 (B)	HPG1
1632	Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.	CP061456.zip	MK003840GZXRV	HPG1 (B)	HPG1
1633	Online HDD/SSD Flash Component for VMware ESXi - MM1000GFJTE Drive	CP061426.zip	MM1000GFJTE	HPG6 (D)	HPG6
1634	Online HDD/SSD Flash Component for VMware ESXi - MM2000GEFRA Drive	CP061425.zip	MM2000GEFRA	HPG9 (D)	HPG9
1635	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP061355.zip	MK001920GWJPQ	HPG5 (I)	HPG5
1636	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP	CP061355.zip	MK000240GWKVK	HPG5 (I)	HPG5

	and MK001920GWJPQ Drives				
1637	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP061355.zip	MK000480GWJPN	HPG5 (I)	HPG5
1638	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP061355.zip	MK000960GWJPP	HPG5 (I)	HPG5
1639	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP061355.zip	VK003840GWJPK	HPG5 (I)	HPG5
1640	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP061355.zip	VK001920GWJPH	HPG5 (I)	HPG5
1641	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP061355.zip	VK000960GWJPF	HPG5 (I)	HPG5
1642	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP061355.zip	VK000480GWJPE	HPG5 (I)	HPG5
1643	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	CP061355.zip	VK000240GWJPD	HPG5 (I)	HPG5
1644	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP061435.zip	VK003840GWSRV	HPG4 (G)	HPG4
1645	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP061435.zip	VK001920GWSRU	HPG4 (G)	HPG4
1646	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP061435.zip	VK000960GWSRT	HPG4 (G)	HPG4
1647	Online HDD/SSD Flash Component for	CP061435.zip	VK000480GWSRR	HPG4 (G)	HPG4

	VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives				
1648	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives	CP061435.zip	VK000240GWSRQ	HPG4 (G)	HPG4
1649	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP061551.zip	VK003840GWTTD	HPG7 (C)	HPG7
1650	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP061551.zip	MK003840GWTTN	HPG7 (C)	HPG7
1651	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP061551.zip	VK001920GWTTC	HPG7 (C)	HPG7
1652	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP061551.zip	MK001920GWTTL	HPG7 (C)	HPG7
1653	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP061551.zip	VK000960GWTTB	HPG7 (C)	HPG7
1654	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP061551.zip	MK000960GWTTK	HPG7 (C)	HPG7
1655	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP061551.zip	VK000480GWTTA	HPG7 (C)	HPG7
1656	Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	CP061551.zip	MK000480GWTTH	HPG7 (C)	HPG7
1657	Online HDD/SSD Flash Component for	CP061551.zip	VK000240GWTSV	HPG7 (C)	HPG7

	VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives				
1658	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	VK000240GXAWE	HPG1 (F)	HPG1
1659	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	VK000480GXAWK	HPG1 (F)	HPG1
1660	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	VK000960GXAWL	HPG1 (F)	HPG1
1661	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	VK003840GXAWP	HPG1 (F)	HPG1
1662	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	VK007680GXAWQ	HPG1 (F)	HPG1
1663	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	MK000480GXAWF	HPG1 (F)	HPG1
1664	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920GXAWR,	CP061346.zip	MK000960GXAXB	HPG1 (F)	HPG1

	MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives				
1665	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	MK001920GXAWR	HPG1 (F)	HPG1
1666	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	MK003840GXAWT	HPG1 (F)	HPG1
1667	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	VR000240GXBBL	HPG1 (F)	HPG1
1668	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	MR000480GXBGH	HPG1 (F)	HPG1
1669	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	MR000960GXBGK	HPG1 (F)	HPG1
1670	Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	CP061346.zip	VK001920GXAWN	HPG1 (F)	HPG1
1671	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP061455.zip	VK001920GZXQV	HPG1 (B)	HPG1
1672	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH	CP061455.zip	VK003840GZXRH	HPG1 (B)	HPG1

	and VK007680GZXRT Drives.				
1673	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP061455.zip	VK007680GZXRT	HPG1 (B)	HPG1
1674	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP061455.zip	VK000960GZXQU	HPG1 (B)	HPG1
1675	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP061455.zip	VK000480GZXRF	HPG1 (B)	HPG1
1676	Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.	CP061455.zip	VK000240GZXRU	HPG1 (B)	HPG1
1677	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP061337.zip	VK001920GWSXK	HPG3 (E)	HPG3
1678	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP061337.zip	MK001920GWUGK	HPG3 (E)	HPG3
1679	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP061337.zip	VK000960GWSXH	HPG3 (E)	HPG3
1680	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP061337.zip	MK000960GWUGH	HPG3 (E)	HPG3
1681	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP061337.zip	VK000480GWSXF	HPG3 (E)	HPG3
1682	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	CP061337.zip	MK000480GWUGF	HPG3 (E)	HPG3
1683	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP061964.zip	VK003840GWTHD	HPG5	HPG5
1684	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP061964.zip	VK001920GWTHC	HPG5	HPG5
1685	Online HDD/SSD Flash Component for	CP061964.zip	VK000960GWTHB	HPG5	HPG5

	VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives				
1686	Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	CP061964.zip	VK000480GWTHA	HPG5	HPG5
1687	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP061327.zip	VK000480GZCNE	HPG3 (B)	HPG3
1688	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP061327.zip	VK000960GZCNF	HPG3 (B)	HPG3
1689	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP061327.zip	VK001920GZCNH	HPG3 (B)	HPG3
1690	Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	CP061327.zip	VK003840GZCNK	HPG3 (B)	HPG3
1691	Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	CP061374.zip	VK000960GXCLD	HPG3 (D)	HPG3
1692	Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	CP061374.zip	VK007680GXCGR	HPG3 (D)	HPG3
1693	Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	CP061374.zip	VK001920GXCGP	HPG3 (D)	HPG3
1694	Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	CP061374.zip	VK003840GXCGQ	HPG3 (D)	HPG3
1695	Online HDD/SSD Flash Component for VMware ESXi - VK003840GWSXL Drive	CP061404.zip	VK003840GWSXL	HPG3 (E)	HPG3
1696	Online HDD/SSD Flash Component for VMware ESXi - VK007680GWSXN Drive	CP061403.zip	VK007680GWSXN	HPG3 (E)	HPG3
1697	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWCBC and MB002000GWCBD Drives	cp061576.exe	MB001000GWCBC	HPG6 (H)	HPG6
1698	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWCBC and MB002000GWCBD Drives	cp061576.exe	MB002000GWCBD	HPG6 (H)	HPG6
1699	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWFWK and MB002000GWFWL Drives	cp061438.exe	MB001000GWFWK	HPG6 (I)	HPG6
1700	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWFWK and MB002000GWFWL Drives	cp061438.exe	MB002000GWFWL	HPG6 (I)	HPG6
1701	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	cp061578.exe	MB004000GWFWB	HPG1 (I)	HPG1
1702	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives	cp061578.exe	MB002000GWFWA	HPG1 (I)	HPG1
1703	Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN,	cp061578.exe	MB001000GWJAN	HPG1 (I)	HPG1

	MB002000GWFWA and MB004000GWFWB Drives				
1704	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWKGV Drive	cp061440.exe	MB004000GWKGV	HPG1 (I)	HPG1
1705	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	cp061371.exe	MB004000GWWQH	HPG6 (B)	HPG6
1706	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	cp061371.exe	MB002000GWWQF	HPG6 (B)	HPG6
1707	Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives	cp061371.exe	MB001000GWWQE	HPG6 (B)	HPG6
1708	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWBXQ and MB008000GWBYL Drives	cp061443.exe	MB006000GWBXQ	HPG8 (H)	HPG8
1709	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWBXQ and MB008000GWBYL Drives	cp061443.exe	MB008000GWBYL	HPG8 (H)	HPG8
1710	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWJRR and MB008000GWJRT Drives	cp061502.exe	MB008000GWJRT	HPG6 (C)	HPG6
1711	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWJRR and MB008000GWJRT Drives	cp061502.exe	MB006000GWJRR	HPG6 (C)	HPG6
1712	Online HDD/SSD Flash Component for Windows (x64) - MB006000GWKGR Drive	cp061457.exe	MB006000GWKGR	HPG1 (I)	HPG1
1713	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWRTC Drive	cp061459.exe	MB008000GWRTC	HPG1 (I)	HPG1
1714	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWWQU and MB006000GWWQT Drives	cp061498.exe	MB008000GWWQU	HPG8 (B)	HPG8
1715	Online HDD/SSD Flash Component for Windows (x64) - MB008000GWWQU and MB006000GWWQT Drives	cp061498.exe	MB006000GWWQT	HPG8 (B)	HPG8
1716	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWAYN and MB008000GWAYL Drives	cp061365.exe	MB010000GWAYN	HPG5 (H)	HPG5
1717	Online HDD/SSD Flash Component for Windows (x64) - MB010000GWAYN and MB008000GWAYL Drives	cp061365.exe	MB008000GWAYL	HPG5 (H)	HPG5
1718	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp061524.exe	MB010000GYDKP	HPG2 (B)	HPG2
1719	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp061524.exe	MB016000GYDKQ	HPG2 (B)	HPG2
1720	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp061524.exe	MB018000GYDKR	HPG2 (B)	HPG2
1721	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and	cp061524.exe	MB012000GYCJL	HPG2 (B)	HPG2

	MB018000GYDKR Drives				
1722	Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives	cp061524.exe	MB014000GYCJT	HPG2 (B)	HPG2
1723	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWDFE Drive	cp061930.exe	MB012000GWDFE	HPG5 (B)	HPG5
1724	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFF Drives	cp061470.exe	MB014000GWTFF	HPG8 (C)	HPG8
1725	Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFF Drives	cp061470.exe	MB012000GWTFE	HPG8 (C)	HPG8
1726	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp061363.exe	MB012000GZYVT	HPG4 (B)	HPG4
1727	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp061363.exe	MB014000GZYVU	HPG4 (B)	HPG4
1728	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp061363.exe	MB016000GZYVV	HPG4 (B)	HPG4
1729	Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives	cp061363.exe	MB018000GYCLL	HPG4 (B)	HPG4
1730	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	cp061579.exe	MB014000GWRTN	HPG2 (H)	HPG2
1731	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	cp061579.exe	MB012000GWRTL	HPG2 (H)	HPG2
1732	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives	cp061579.exe	MB010000GWRTK	HPG2 (H)	HPG2
1733	Online HDD/SSD Flash Component for Windows (x64) - MB014000GWUDA Drive	cp061492.exe	MB014000GWUDA	HPG3 (B)	HPG3
1734	Online HDD/SSD Flash Component for Windows (x64) - MB016000GWXKK Drive	cp061376.exe	MB016000GWXKK	HPG4 (B)	HPG4
1735	Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTK and MB020000GXMTQ Drives	cp061510.exe	MB020000GXMTQ	HPG2 (B)	HPG2
1736	Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTK and MB020000GXMTQ Drives	cp061510.exe	MB018000GXMTK	HPG2 (B)	HPG2
1737	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp061499.exe	MK003840GWSSF	HPG3 (G)	HPG3
1738	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp061499.exe	MK001920GWSSE	HPG3 (G)	HPG3
1739	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE	cp061499.exe	MK000960GWSSD	HPG3 (G)	HPG3

	and MK003840GWSSF Drives				
1740	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives	cp061499.exe	MK000480GWSSC	HPG3 (G)	HPG3
1741	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp061361.exe	MK003840GWXFL	HPG3 (B)	HPG3
1742	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp061361.exe	MK001920GWXFK	HPG3 (B)	HPG3
1743	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp061361.exe	MK000960GWXFH	HPG3 (B)	HPG3
1744	Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives	cp061361.exe	MK000480GWXFF	HPG3 (B)	HPG3
1745	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	cp061417.exe	MK000480GZXRA	HPG1 (B)	HPG1
1746	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	cp061417.exe	MK001920GZXRC	HPG1 (B)	HPG1
1747	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	cp061417.exe	MK000960GZXRB	HPG1 (B)	HPG1
1748	Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives	cp061417.exe	MK003840GZXRV	HPG1 (B)	HPG1
1749	Online HDD/SSD Flash Component for Windows (x64) - MM1000GFJTE Drive	cp061405.exe	MM1000GFJTE	HPG6 (C)	HPG6
1750	Online HDD/SSD Flash Component for Windows (x64) - MM2000GEFRA Drive	cp061389.exe	MM2000GEFRA	HPG9 (C)	HPG9
1751	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp061372.exe	MK001920GWJPQ	HPG5 (G)	HPG5
1752	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp061372.exe	VK001920GWJPH	HPG5 (G)	HPG5
1753	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp061372.exe	MK000240GWKVK	HPG5 (G)	HPG5
1754	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF,	cp061372.exe	VK000240GWJPD	HPG5 (G)	HPG5

	VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives				
1755	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp061372.exe	VK003840GWJPK	HPG5 (G)	HPG5
1756	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp061372.exe	MK000480GWJPN	HPG5 (G)	HPG5
1757	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp061372.exe	VK000480GWJPE	HPG5 (G)	HPG5
1758	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp061372.exe	MK000960GWJPP	HPG5 (G)	HPG5
1759	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives	cp061372.exe	VK000960GWJPF	HPG5 (G)	HPG5
1760	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp061584.exe	VK003840GWSRV	HPG4 (G)	HPG4
1761	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp061584.exe	VK001920GWSRU	HPG4 (G)	HPG4
1762	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp061584.exe	VK000960GWSRT	HPG4 (G)	HPG4
1763	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp061584.exe	VK000480GWSRR	HPG4 (G)	HPG4
1764	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives	cp061584.exe	VK000240GWSRQ	HPG4 (G)	HPG4
1765	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV,	cp061545.exe	VK003840GWTTD	HPG7 (C)	HPG7

	VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives				
1766	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp061545.exe	MK003840GWTTN	HPG7 (C)	HPG7
1767	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp061545.exe	VK001920GWTTC	HPG7 (C)	HPG7
1768	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp061545.exe	MK001920GWTTL	HPG7 (C)	HPG7
1769	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp061545.exe	VK000960GWTTB	HPG7 (C)	HPG7
1770	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp061545.exe	MK000960GWTTK	HPG7 (C)	HPG7
1771	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp061545.exe	VK000480GWTTA	HPG7 (C)	HPG7
1772	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp061545.exe	MK000480GWTTH	HPG7 (C)	HPG7
1773	Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives	cp061545.exe	VK000240GWTSV	HPG7 (C)	HPG7
1774	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF,	cp061511.exe	MR000960GXBGK	HPG1 (F)	HPG1

	MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives				
1775	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	MR000480GXBGH	HPG1 (F)	HPG1
1776	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	VR000240GXBBL	HPG1 (F)	HPG1
1777	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	MK003840GXAWT	HPG1 (F)	HPG1
1778	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	MK001920GXAWR	HPG1 (F)	HPG1
1779	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	MK000960GXAXB	HPG1 (F)	HPG1
1780	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	MK000480GXAWF	HPG1 (F)	HPG1
1781	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and	cp061511.exe	VK007680GXAWQ	HPG1 (F)	HPG1

	MR000960GXBGK Drives				
1782	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	VK003840GXAWP	HPG1 (F)	HPG1
1783	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	VK000960GXAWL	HPG1 (F)	HPG1
1784	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	VK000480GXAWK	HPG1 (F)	HPG1
1785	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	VK000240GXAWE	HPG1 (F)	HPG1
1786	Online HDD/SSD Flash Component for Windows (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK Drives	cp061511.exe	VK001920GXAWN	HPG1 (F)	HPG1
1787	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp061418.exe	VK001920GZXQV	HPG1 (B)	HPG1
1788	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp061418.exe	VK003840GZXRH	HPG1 (B)	HPG1
1789	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp061418.exe	VK007680GZXRT	HPG1 (B)	HPG1
1790	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp061418.exe	VK000960GZXQU	HPG1 (B)	HPG1

1791	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp061418.exe	VK000480GZXRF	HPG1 (B)	HPG1
1792	Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives	cp061418.exe	VK000240GZXRU	HPG1 (B)	HPG1
1793	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp061496.exe	VK001920GWSXK	HPG3 (E)	HPG3
1794	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp061496.exe	MK001920GWUGK	HPG3 (E)	HPG3
1795	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp061496.exe	VK000960GWSXH	HPG3 (E)	HPG3
1796	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp061496.exe	MK000960GWUGH	HPG3 (E)	HPG3
1797	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp061496.exe	VK000480GWSXF	HPG3 (E)	HPG3
1798	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives	cp061496.exe	MK000480GWUGF	HPG3 (E)	HPG3
1799	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp061965.exe	VK003840GWTHD	HPG5	HPG5
1800	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp061965.exe	VK001920GWTHC	HPG5	HPG5
1801	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp061965.exe	VK000960GWTHB	HPG5	HPG5
1802	Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives	cp061965.exe	VK000480GWTHA	HPG5	HPG5
1803	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp061329.exe	VK000480GZCNE	HPG3 (B)	HPG3

1804	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp061329.exe	VK000960GZCNF	HPG3 (B)	HPG3
1805	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp061329.exe	VK001920GZCNH	HPG3 (B)	HPG3
1806	Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives	cp061329.exe	VK003840GZCNK	HPG3 (B)	HPG3
1807	Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	cp061383.exe	VK000960GXCLD	HPG3 (C)	HPG3
1808	Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	cp061383.exe	VK007680GXCGR	HPG3 (C)	HPG3
1809	Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	cp061383.exe	VK001920GXCGP	HPG3 (C)	HPG3
1810	Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives	cp061383.exe	VK003840GXCGQ	HPG3 (C)	HPG3
1811	Online HDD/SSD Flash Component for Windows (x64) - VK003840GWSXL Drive	cp061582.exe	VK003840GWSXL	HPG3 (E)	HPG3
1812	Online HDD/SSD Flash Component for Windows (x64) - VK007680GWSXN Drive	cp061583.exe	VK007680GWSXN	HPG3 (E)	HPG3
1813	Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD	Seagate_CimarronBP_SCIMARBPNTG1.fwpkg	MB002000GYDNK	HPG1	HPG1
1814	Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD	Seagate_CimarronBP_SCIMARBPNTG1.fwpkg	MB004000GYDPD	HPG1	HPG1
1815	Universal Firmware Package for Drives - MB006000GWZVL and MB008000GWZVN	Toshiba_MG08Air_TAMG08ADAeG1.fwpkg	MB006000GWZVL	HPG1	HPG1
1816	Universal Firmware Package for Drives - MB006000GWZVL and MB008000GWZVN	Toshiba_MG08Air_TAMG08ADAeG1.fwpkg	MB008000GWZVN	HPG1	HPG1
1817	Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN	Seagate_CimarronBP_SCIMARBPETG1.fwpkg	MB006000GYDNL	HPG1	HPG1
1818	Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN	Seagate_CimarronBP_SCIMARBPETG1.fwpkg	MB008000GYDPE	HPG1	HPG1
1819	Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN	Seagate_CimarronBP_SCIMARBPETG1.fwpkg	MB010000GYDNN	HPG1	HPG1
1820	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP , MK001920GYCNF ,MK003840GYCNQ , VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYHPG3.fwpkg	MK000480GYCNT	HPG3	HPG3
1821	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,	Solidigm_S4X20_4IYYHPG3.fwpkg	MK000960GYCNP	HPG3	HPG3

	MK001920GYCNF ,MK003840GYCNQ , VK000240GYCNU ,VK000480GYCNH ,V K000960GYCNK ,VK001920GYCNL ,VK 003840GYCNN ,VK007680GYCNE ,VR0 00240GXPQT and VR000480GXPQU				
1822	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP , MK001920GYCNF ,MK003840GYCNQ , VK000240GYCNU ,VK000480GYCNH ,V K000960GYCNK ,VK001920GYCNL ,VK 003840GYCNN ,VK007680GYCNE ,VR0 00240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG3.fwpkg	MK001920GYCNF	HPG3	HPG3
1823	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP , MK001920GYCNF ,MK003840GYCNQ , VK000240GYCNU ,VK000480GYCNH ,V K000960GYCNK ,VK001920GYCNL ,VK 003840GYCNN ,VK007680GYCNE ,VR0 00240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG3.fwpkg	MK003840GYCNQ	HPG3	HPG3
1824	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP , MK001920GYCNF ,MK003840GYCNQ , VK000240GYCNU ,VK000480GYCNH ,V K000960GYCNK ,VK001920GYCNL ,VK 003840GYCNN ,VK007680GYCNE ,VR0 00240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG3.fwpkg	VK000240GYCNU	HPG3	HPG3
1825	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP , MK001920GYCNF ,MK003840GYCNQ , VK000240GYCNU ,VK000480GYCNH ,V K000960GYCNK ,VK001920GYCNL ,VK 003840GYCNN ,VK007680GYCNE ,VR0 00240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG3.fwpkg	VK000480GYCNH	HPG3	HPG3
1826	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP , MK001920GYCNF ,MK003840GYCNQ , VK000240GYCNU ,VK000480GYCNH ,V K000960GYCNK ,VK001920GYCNL ,VK 003840GYCNN ,VK007680GYCNE ,VR0 00240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG3.fwpkg	VK000960GYCNK	HPG3	HPG3
1827	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP , MK001920GYCNF ,MK003840GYCNQ , VK000240GYCNU ,VK000480GYCNH ,V K000960GYCNK ,VK001920GYCNL ,VK 003840GYCNN ,VK007680GYCNE ,VR0 00240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG3.fwpkg	VK001920GYCNL	HPG3	HPG3
1828	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP , MK001920GYCNF ,MK003840GYCNQ , VK000240GYCNU ,VK000480GYCNH ,V K000960GYCNK ,VK001920GYCNL ,VK 003840GYCNN ,VK007680GYCNE ,VR0 00240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYH PG3.fwpkg	VK003840GYCNN	HPG3	HPG3
1829	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP , MK001920GYCNF ,MK003840GYCNQ , VK000240GYCNU ,VK000480GYCNH ,V	Solidigm_S4X20_4IYYH PG3.fwpkg	VK007680GYCNE	HPG3	HPG3

	K000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU				
1830	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP , MK001920GYCNF ,MK003840GYCNQ , VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYHPG3.fwpkg	VR000240GXPQT	HPG3	HPG3
1831	Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP , MK001920GYCNF ,MK003840GYCNQ , VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU	Solidigm_S4X20_4IYYHPG3.fwpkg	VR000480GXPQU	HPG3	HPG3

6.2.15 Firmware - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1832	Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR216i-a Gen10 Plus Tri Mode Controller	CP060618.zip	Broadcom MR216i-a Cntrl for HPE Gen10+	52.26.3.5487	52.26.3.5487
1833	Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR216i-p Gen10 Plus Tri Mode Controller	CP060617.zip	Broadcom MR216i-p Cntrl for HPE Gen10+	52.26.3.5487	52.26.3.5487
1834	Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR416i-a Gen10 Plus Tri Mode Controller	CP060616.zip	Broadcom MR416i-a Cntrl for HPE Gen10+	52.26.3.5487	52.26.3.5487
1835	Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR416i-p Gen10 Plus Tri Mode Controller	CP060615.zip	Broadcom MR416i-p Cntrl for HPE Gen10+	52.26.3.5487	52.26.3.5487
1836	Firmware Package - HPE Gen11 Boot Controller NS204i-u, NS204i-d and HPE Gen10 Plus Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r	HPE_NS204i_Gen10P_Gen11_1.2.14.1013_A.fwpkg	HPE NS204i-p Gen10+ Boot Controller	1.2.14.1013	1.2.14.1013
1837	Firmware Package - HPE Gen11 Boot Controller NS204i-u, NS204i-d and HPE Gen10 Plus Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r	HPE_NS204i_Gen10P_Gen11_1.2.14.1013_A.fwpkg	HPE NS204i-r Gen10+ Boot Controller	1.2.14.1013	1.2.14.1013
1838	Firmware Package - HPE MR216i-a Gen10 Plus Tri Mode Controller	HPE_MR216i-a_Gen10P_52.26.3-5487_A.fwpkg	Broadcom MR216i-a Cntrl for HPE Gen10+	52.26.3-5487	52.26.3-5487
1839	Firmware Package - HPE MR216i-p Gen10 Plus Tri Mode Controller	HPE_MR216i-p_Gen10P_52.26.3-5487_A.fwpkg	Broadcom MR216i-p Cntrl for HPE Gen10+	52.26.3-5487	52.26.3-5487
1840	Firmware Package - HPE MR416i-a Gen10 Plus Tri Mode Controller	HPE_MR416i-a_Gen10P_52.26.3-5487_A.fwpkg	Broadcom MR416i-a Cntrl for HPE Gen10+	52.26.3-5487	52.26.3-5487
1841	Firmware Package - HPE MR416i-p Gen10 Plus Tri Mode Controller	HPE_MR416i-p_Gen10P_52.26.3-5487_A.fwpkg	Broadcom MR416i-p Cntrl for HPE Gen10+	52.26.3-5487	52.26.3-5487
1842	Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416ie-m Gen11 Controllers	HPE_SR416_SR932_Gen10P_Gen11_03.01.30.106_A.fwpkg	Microchip SR416i-a Cntrl for HPE Gen10+	03.01.30.106	03.01.30.106
1843	Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416ie-m Gen11 Controllers	HPE_SR416_SR932_Gen10P_Gen11_03.01.30.106_A.fwpkg	Microchip SR932i-p Cntrl for HPE Gen10+	03.01.30.106	03.01.30.106

1844	Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR Gen10 and SR308i-o,SR308i-p Gen11 controllers	HPE_SR_Gen10_7.11_A.fwpkg	HPE Smart Array E208e-p SR Gen10 Controller	7.11	7.11
1845	Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR Gen10 and SR308i-o,SR308i-p Gen11 controllers	HPE_SR_Gen10_7.11_A.fwpkg	HPE Smart Array P816i-a SR Gen10 Controller	7.11	7.11
1846	Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR Gen10 and SR308i-o,SR308i-p Gen11 controllers	HPE_SR_Gen10_7.11_A.fwpkg	HPE Smart Array P408i-a SR Gen10 Controller	7.11	7.11
1847	Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR Gen10 and SR308i-o,SR308i-p Gen11 controllers	HPE_SR_Gen10_7.11_A.fwpkg	HPE Smart Array P408i-p SR Gen10 Controller	7.11	7.11
1848	Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR Gen10 and SR308i-o,SR308i-p Gen11 controllers	HPE_SR_Gen10_7.11_A.fwpkg	HPE Smart Array E208i-a SR Gen10 Controller	7.11	7.11
1849	Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR Gen10 and SR308i-o,SR308i-p Gen11 controllers	HPE_SR_Gen10_7.11_A.fwpkg	HPE Smart Array E208i-p SR Gen10 Controller	7.11	7.11
1850	Online ROM Flash Component for VMware ESXi - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers	CP057012.zip	HPE 12Gb SAS Expander Card	5.15 (B)	5.15
1851	Online ROM Flash Component for Windows (x64) - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers	cp062536.exe	HPE 12Gb SAS Expander Card	5.15 (C)	5.15
1852	Supplemental Update / Online ROM Flash Component for Linux (x64) – HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers	firmware-smartarray-1f19a4a64d-5.15-3.1.x86_64.rpm	HPE 12Gb SAS Expander Card	5.15 (C)	5.15

6.2.16 Firmware - Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1853	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2024.09.01-1.4.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1854	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2024.09.01-1.4.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1855	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux	firmware-fc-emulex-2024.09.01-	HPE SN1600E 32Gb Dual Port Fibre	2024.09.01	14.4.329.10

	(x64)	1.4.x86_64.rpm	Channel Host Bus Adapter		
1856	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2024.09.01-1.4.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1857	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2024.09.01-1.4.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1858	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2024.09.01-1.4.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1859	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2019/2022 x64	cp059674.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1860	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2019/2022 x64	cp059674.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1861	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2019/2022 x64	cp059674.exe	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1862	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2019/2022 x64	cp059674.exe	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1863	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2019/2022 x64	cp059674.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1864	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2019/2022 x64	cp059674.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1865	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2025 x64	cp061971.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1866	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2025 x64	cp061971.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1867	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2025 x64	cp061971.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1868	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2025 x64	cp061971.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1869	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059671.zip	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1870	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059671.zip	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1871	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059671.zip	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10

1872	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059671.zip	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1873	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059671.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1874	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059671.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1875	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059672.zip	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1876	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059672.zip	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1877	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059672.zip	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1878	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059672.zip	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1879	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059672.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1880	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059672.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	14.4.329.10
1881	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2024.09.01-1.3.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1882	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2024.09.01-1.3.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1883	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2024.09.01-1.3.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1884	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2024.09.01-1.3.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1885	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2024.09.01-1.3.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1886	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2024.09.01-1.3.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1887	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)	cp059848.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1888	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters -	cp059848.exe	HPE SN1100Q 16Gb Single Port Fibre	2024.09.01	02.10.00

	Microsoft Windows Server 2019/2022 (x86_64)		Channel Host Bus Adapter		
1889	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)	cp059848.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1890	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)	cp059848.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1891	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)	cp059848.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1892	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)	cp059848.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1893	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2025 (x86_64)	cp061945.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1894	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2025 (x86_64)	cp061945.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1895	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2025 (x86_64)	cp061945.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1896	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2025 (x86_64)	cp061945.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1897	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059845.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1898	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059845.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1899	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059845.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1900	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059845.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1901	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059845.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1902	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0	CP059845.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1903	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059846.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1904	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059846.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00

1905	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059846.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1906	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059846.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1907	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059846.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00
1908	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0	CP059846.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	02.10.00

6.2.17 Firmware – System

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1909	Firmware Package - Gen10 NVMe Backplane PIC Firmware	ISS_NVMe_BP_PIC_flashV1B24.fwpkg	NVMe Backplane PIC	1.24 (E)	1.24
1910	Firmware Package - UBM1 Backplane PIC PLDM Firmware	HPE_UBM1_1.46_B.fwpkg	UBM1 Backplane PIC	1.46 (B)	1.46
1911	Firmware Package - UBM2 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 Servers	HPE_UBM2_1.20_E.fwpkg	UBM2 Backplane PIC	1.20 (E)	1.20
1912	Firmware Package - UBM3 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 servers usage	HPE_UBM3_1.24_E.fwpkg	UBM3 Backplane PIC	1.24 (E)	1.24
1913	Firmware Package - UBM4 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 servers usage	HPE_UBM4_1.24_F.fwpkg	UBM4 Backplane PIC	1.24 (F)	1.24
1914	Firmware Package - UBM6 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 servers usage	HPE_UBM6_1.04_A.fwpkg	UBM6 Backplane PIC	1.04	1.04
1915	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-0.2.3.0-2.1.x86_64.rpm	Innovation Engine (IE) Fimware	0.2.3.0 (B)	0.2.3.0
1916	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-04.01.05.002-2.1.x86_64.rpm	Server Platform Services (SPS) Firmware	04.01.05.002 (B)	4.1.5.2
1917	Online Flash for Linux - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	firmware-sps-04.04.04.603-2.1.x86_64.rpm	Server Platform Services (SPS) Firmware	04.04.04.603 (B)	4.4.4.603
1918	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	cp062628.exe	Server Platform Services (SPS) Firmware	04.01.05.002 (C)	4.1.5.2
1919	Online Flash for Windows x64 - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	cp062641.exe	Server Platform Services (SPS) Firmware	04.04.04.603 (B)	4.4.4.603
1920	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246	cp062703.exe	Server Platform Services Manageability Engine Firmware	06.00.03.604 (B)	6.0.3.604

	PCH based systems				
1921	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	cp057563.exe	Server Platform Services (SPS) Firmware for Intel C242 and C...	05.01.04.913	5.1.4.913
1922	Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems	cp062695.exe	Server Platform Services Manageability Engine Firmware for t...	06.00.03.604 (B)	6.0.3.604
1923	Online ROM Flash for Linux - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	firmware-ie-1.0.0.22-2.1.x86_64.rpm	Innovation Engine (IE) Fimware	1.0.0.22 (B)	1.0.0.22
1924	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	firmware-u43u44sps-05.01.04.913-2.1.x86_64.rpm	Server Platform Services (SPS) Firmware for Intel C242 and C...	05.01.04.913 (B)	5.1.4.913
1925	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	firmware-u61sps-06.00.03.604-2.1.x86_64.rpm	Server Platform Services Manageability Engine Firmware	06.00.03.604 (B)	6.0.3.604
1926	Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems	firmware-u60sps-06.00.03.604-2.1.x86_64.rpm	Server Platform Services Manageability Engine Firmware for t...	06.00.03.604 (B)	6.0.3.604
1927	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_0.2.3.0.fwpkg	Innovation Engine (IE) Universal Image.	0.2.3.0 (B)	0.2.3.0
1928	ROM Flash Firmware Package - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	OEM.IEGen10Plus_1.0.0.22.fwpkg	Innovation Engine (IE) Universal Image	1.0.0.22 (B)	1.0.0.22
1929	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_04.01.05.002.fwpkg	Server Platform Services (SPS) Firmware	04.01.05.002	4.1.5.2
1930	ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors	OEM.SPSGen10Plus_04.04.04.603.fwpkg	Server Platform Services (SPS) Firmware	04.04.04.603	4.4.4.603
1931	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	OEM.DL20ML30Gen10SPS_05.01.04.913.fwpkg	Server Platform Services (SPS) E3 Firmware	05.01.04.913	5.1.4.913
1932	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems	OEM.SC_ML30GEN10Plus_ME_06.00.03.604.fwpkg	Server Platform Services Firmware for ML30 Gen10 Plus	06.00.03.604	6.0.3.604
1933	ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems	OEM.SC_DL20GEN10Plus_ME_06.00.03.604.fwpkg	Server Platform Services Firmware for DL20 Gen10 Plus	06.00.03.604	6.0.3.604

6.2.18 Software - Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1934	HPE Lights-Out Online Configuration Utility for Linux (AMD64/EM64T)	hponcfg-6.0.0-0.x86_64.rpm	-	6.0.0-0 (A)	6.0.0-0
1935	HPE Lights-Out Online Configuration Utility for Windows x64 Editions	cp049814.exe	-	6.0.0.0	6.0.0.0

6.2.19 Software - Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1936	HPE Agentless Management Bundle Smart Component on ESXi for Gen10 and Gen10 Plus Servers	cp059815.zip	-	2024.03.01	701.11.10.0.4-1
1937	HPE Fiber Channel and Storage Enablement Bundle Smart Component for ESXi 7.0	cp062084.zip	-	2024.09.01	700.3.9.0.4-1
1938	HPE Fiber Channel and Storage Enablement Bundle Smart Component for ESXi 8.0	cp062083.zip	-	2024.09.01	800.3.9.0.30-1
1939	HPE iLO Driver Bundle Smart Component for ESXi 7.0 and ESXi 8.0	cp062952.zip	-	2024.09.00	700.10.8.2.2-1OEM.700.1.0.15843807
1940	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	HPE Smart Array P816i-a SR Gen10 Controller	2024.10.01	6.40.6.0-7.0.0
1941	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	HPE Smart Array P408i-a SR Gen10 Controller	2024.10.01	6.40.6.0-7.0.0
1942	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	HPE Smart Array P408i-p SR Gen10 Controller	2024.10.01	6.40.6.0-7.0.0
1943	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	HPE Smart Array E208e-p SR Gen10 Controller	2024.10.01	6.40.6.0-7.0.0
1944	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	HPE Smart Array E208i-a SR Gen10 Controller	2024.10.01	6.40.6.0-7.0.0
1945	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	HPE Smart Array E208i-p SR Gen10 Controller	2024.10.01	6.40.6.0-7.0.0
1946	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	Microchip SR416i-a Cntrl for HPE Gen10+	2024.10.01	6.40.6.0-7.0.0
1947	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	Microchip SR932i-p Cntrl for HPE Gen10+	2024.10.01	6.40.6.0-7.0.0
1948	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	Smart Array S100i SR	2024.10.01	6.40.6.0-7.0.0
1949	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	Smart Array S100i SR	2024.10.01	6.40.6.0-7.0.0
1950	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	Smart Array S100i SR	2024.10.01	6.40.6.0-7.0.0
1951	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059214.zip	HPE 12Gb SAS Expander Card	2024.10.01	6.40.6.0-7.0.0
1952	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	HPE Smart Array P816i-a SR Gen10 Controller	2024.10.01	6.40.6.0-8.0.0
1953	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for	cp059215.zip	HPE Smart Array P408i-a SR Gen10	2024.10.01	6.40.6.0-8.0.0

	Gen10/Gen10 Plus/Gen11 Controllers		Controller		
1954	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	HPE Smart Array P408i-p SR Gen10 Controller	2024.10.01	6.40.6.0-8.0.0
1955	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	HPE Smart Array E208e-p SR Gen10 Controller	2024.10.01	6.40.6.0-8.0.0
1956	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	HPE Smart Array E208i-a SR Gen10 Controller	2024.10.01	6.40.6.0-8.0.0
1957	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	HPE Smart Array E208i-p SR Gen10 Controller	2024.10.01	6.40.6.0-8.0.0
1958	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	Microchip SR416i-a Cntrl for HPE Gen10+	2024.10.01	6.40.6.0-8.0.0
1959	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	Microchip SR932i-p Cntrl for HPE Gen10+	2024.10.01	6.40.6.0-8.0.0
1960	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	Smart Array S100i SR	2024.10.01	6.40.6.0-8.0.0
1961	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	Smart Array S100i SR	2024.10.01	6.40.6.0-8.0.0
1962	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	Smart Array S100i SR	2024.10.01	6.40.6.0-8.0.0
1963	Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers	cp059215.zip	HPE 12Gb SAS Expander Card	2024.10.01	6.40.6.0-8.0.0

6.2.20 Software - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1964	HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10P and Gen11 Controllers)	cp057488.zip	Broadcom MR416i-p Cntrl for HPE Gen10+	2023.12.01	007.2613.0000.0000-01
1965	HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10P and Gen11 Controllers)	cp057488.zip	Broadcom MR416i-a Cntrl for HPE Gen10+	2023.12.01	007.2613.0000.0000-01
1966	HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10P and Gen11 Controllers)	cp057488.zip	Broadcom MR216i-p Cntrl for HPE Gen10+	2023.12.01	007.2613.0000.0000-01
1967	HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10P and Gen11 Controllers)	cp057488.zip	Broadcom MR216i-a Cntrl for HPE Gen10+	2023.12.01	007.2613.0000.0000-01
1968	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)	cp060804.zip	Broadcom MR416i-p Cntrl for HPE Gen10+	2024.06.01	007.2613.0000.0000-02
1969	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)	cp060804.zip	Broadcom MR416i-a Cntrl for HPE Gen10+	2024.06.01	007.2613.0000.0000-02
1970	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)	cp060804.zip	Broadcom MR216i-p Cntrl for HPE Gen10+	2024.06.01	007.2613.0000.0000-02
1971	HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)	cp060804.zip	Broadcom MR216i-a Cntrl for HPE Gen10+	2024.06.01	007.2613.0000.0000-02
1972	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp062537.exe	HPE Smart Array P408i-a SR Gen10 Controller	1.2.1.69	1.2.1.69
1973	HPE Smart Array SR Event Notification Service for Windows Server 64-bit	cp062537.exe	HPE Smart Array P408i-p SR Gen10	1.2.1.69	1.2.1.69

	Editions		Controller		
1974	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp062537.exe	HPE Smart Array P816i-a SR Gen10 Controller	1.2.1.69	1.2.1.69
1975	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp062537.exe	HPE Smart Array E208e-p SR Gen10 Controller	1.2.1.69	1.2.1.69
1976	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp062537.exe	HPE Smart Array E208i-p SR Gen10 Controller	1.2.1.69	1.2.1.69
1977	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp062537.exe	HPE Smart Array E208i-a SR Gen10 Controller	1.2.1.69	1.2.1.69

6.2.21 Software - Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
1978	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1979	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1980	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1981	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1982	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1983	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1984	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1985	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1986	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1987	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1988	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel
1989	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux - Red Hat Enterprise Linux (RHEL)	fibreutils-4.2-1_rhel.x86_64.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	4.2-1 (i)	4.2-1_rhel

1990	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.4.329.3-1.rhel8.x86_64.rpm	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.3	14.4.329.3-1.rhel8
1991	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.4.329.3-1.rhel8.x86_64.rpm	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	14.4.329.3	14.4.329.3-1.rhel8
1992	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.4.329.3-1.rhel8.x86_64.rpm	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	14.4.329.3	14.4.329.3-1.rhel8
1993	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.4.329.3-1.rhel8.x86_64.rpm	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	14.4.329.3	14.4.329.3-1.rhel8
1994	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.4.329.3-1.rhel8.x86_64.rpm	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	14.4.329.3	14.4.329.3-1.rhel8
1995	HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server	HPE-CNA-FC-Emulex-Enablement-Kit-14.4.329.3-1.rhel8.x86_64.rpm	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	14.4.329.3	14.4.329.3-1.rhel8
1996	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2016/2019 (x86_64)	cp054534.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (p)	1.0.0.1
1997	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2016/2019 (x86_64)	cp054534.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (p)	1.0.0.1
1998	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2016/2019 (x86_64)	cp054534.exe	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (p)	1.0.0.1
1999	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2016/2019 (x86_64)	cp054534.exe	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (p)	1.0.0.1
2000	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2016/2019 (x86_64)	cp054534.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1 (p)	1.0.0.1
2001	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2016/2019 (x86_64)	cp054534.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1 (p)	1.0.0.1
2002	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)	cp054533.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (f)	1.0.0.1
2003	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)	cp054533.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (f)	1.0.0.1
2004	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)	cp054533.exe	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (f)	1.0.0.1
2005	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)	cp054533.exe	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (f)	1.0.0.1
2006	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters	cp054533.exe	HPE SN1610E 32Gb 1-port Fibre	1.0.0.1 (f)	1.0.0.1

	for Microsoft Windows Server 2022 (x86_64)		Channel Host Bus Adapter		
2007	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)	cp054533.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1 (f)	1.0.0.1
2008	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2025 (x86_64)	cp062280.exe	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1
2009	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2025 (x86_64)	cp062280.exe	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1
2010	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2025 (x86_64)	cp062280.exe	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1
2011	HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2025 (x86_64)	cp062280.exe	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1
2012	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 (p)	1.0.0.0-4
2013	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 (p)	1.0.0.0-4
2014	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 Host Bus Adapter	1.0.0.0-4 (p)	1.0.0.0-4
2015	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 (p)	1.0.0.0-4
2016	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 (p)	1.0.0.0-4
2017	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 (p)	1.0.0.0-4
2018	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.1-4.noarch.rpm	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	6.0.0.1-4 (b)	6.0.0.1-4
2019	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.1-4.noarch.rpm	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	6.0.0.1-4 (b)	6.0.0.1-4
2020	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.1-4.noarch.rpm	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	6.0.0.1-4 (b)	6.0.0.1-4
2021	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.1-4.noarch.rpm	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	6.0.0.1-4 (b)	6.0.0.1-4
2022	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.1-4.noarch.rpm	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	6.0.0.1-4 (b)	6.0.0.1-4

2023	HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux	HPE-CNA-FC-hpeqlgc-Enablement-Kit-6.0.0.1-4.noarch.rpm	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	6.0.0.1-4 (b)	6.0.0.1-4
2024	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp059843.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	5.3.83.1-1OEM.703.0.0.18644231
2025	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp059843.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	5.3.83.1-1OEM.703.0.0.18644231
2026	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp059843.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	5.3.83.1-1OEM.703.0.0.18644231
2027	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp059843.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	5.3.83.1-1OEM.703.0.0.18644231
2028	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp059843.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	5.3.83.1-1OEM.703.0.0.18644231
2029	HPE QLogic Fibre Channel driver component for VMware vSphere 7.0	cp059843.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	5.3.83.1-1OEM.703.0.0.18644231
2030	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061880.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-1OEM.803.0.0.23710970
2031	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061880.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-1OEM.803.0.0.23710970
2032	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061880.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-1OEM.803.0.0.23710970
2033	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061880.zip	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-1OEM.803.0.0.23710970
2034	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061880.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-1OEM.803.0.0.23710970
2035	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp061880.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	5.4.83.1-1OEM.803.0.0.23710970
2036	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062113.zip	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-1OEM.800.1.0.20613240
2037	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062113.zip	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-1OEM.800.1.0.20613240
2038	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062113.zip	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-1OEM.800.1.0.20613240
2039	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062113.zip	HPE SN1600Q 32Gb Single Port Fibre	2024.09.01	5.4.82.1-1OEM.800.1.0

			Channel Host Bus Adapter		.20613240
2040	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062113.zip	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-1OEM.800.1.0.20613240
2041	HPE QLogic Fibre Channel driver component for VMware vSphere 8.0	cp062113.zip	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	5.4.82.1-1OEM.800.1.0.20613240
2042	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2016/2019 (x86_64)	cp054435.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (n)	1.0.0.1
2043	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2016/2019 (x86_64)	cp054435.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (n)	1.0.0.1
2044	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2016/2019 (x86_64)	cp054435.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (n)	1.0.0.1
2045	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2016/2019 (x86_64)	cp054435.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (n)	1.0.0.1
2046	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2016/2019 (x86_64)	cp054435.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1 (n)	1.0.0.1
2047	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2016/2019 (x86_64)	cp054435.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1 (n)	1.0.0.1
2048	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)	cp054434.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (e)	1.0.0.1
2049	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)	cp054434.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (e)	1.0.0.1
2050	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)	cp054434.exe	HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (e)	1.0.0.1
2051	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)	cp054434.exe	HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (e)	1.0.0.1
2052	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)	cp054434.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1 (e)	1.0.0.1
2053	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)	cp054434.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1 (e)	1.0.0.1
2054	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2025 (x86_64)	cp062279.exe	HPE SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1
2055	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2025 (x86_64)	cp062279.exe	HPE SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1

2056	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2025 (x86_64)	cp062279.exe	HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1
2057	HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2025 (x86_64)	cp062279.exe	HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter	1.0.0.1	1.0.0.1
2058	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 (p)	3.3-3
2059	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 (p)	3.3-3
2060	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 (p)	3.3-3
2061	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 (p)	3.3-3
2062	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 (p)	3.3-3
2063	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 (p)	3.3-3
2064	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp059675.zip	HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	14.2.673.36-1OEM.700.1.0.15843807
2065	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp059675.zip	HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.2.673.36-1OEM.700.1.0.15843807
2066	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp059675.zip	HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2024.09.01	14.2.673.36-1OEM.700.1.0.15843807
2067	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp059675.zip	HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2024.09.01	14.2.673.36-1OEM.700.1.0.15843807
2068	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp059675.zip	HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter	2024.09.01	14.2.673.36-1OEM.700.1.0.15843807
2069	HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0	cp059675.zip	HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter	2024.09.01	14.2.673.36-1OEM.700.1.0.15843807

6.2.22 Software - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version
2070	Agentless Management Service (iLO5, iLO 6) for Red Hat Enterprise Linux 8 Server	amsd-3.6.0-1867.7.rhel8.x86_64.rpm	-	3.6.0	3.6.0-1867.7.rhel8
2071	Agentless Management Service for Microsoft Windows x64	cp062285.exe	-	2.60.0.0	2.60.0.0

2072	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)	storcli-007.2613.0000.0000-1.noarch.rpm	Broadcom MR416i-p Cntrl for HPE Gen10+	007.2613.0000.0000 (B)	007.2613.0000.0000-1
2073	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)	storcli-007.2613.0000.0000-1.noarch.rpm	Broadcom MR416i-a Cntrl for HPE Gen10+	007.2613.0000.0000 (B)	007.2613.0000.0000-1
2074	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)	storcli-007.2613.0000.0000-1.noarch.rpm	Broadcom MR216i-p Cntrl for HPE Gen10+	007.2613.0000.0000 (B)	007.2613.0000.0000-1
2075	HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)	storcli-007.2613.0000.0000-1.noarch.rpm	Broadcom MR216i-a Cntrl for HPE Gen10+	007.2613.0000.0000 (B)	007.2613.0000.0000-1
2076	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp062849.exe	Broadcom MR416i-p Cntrl for HPE Gen10+	7.2613.0.0 (C)	7.2613.0.0
2077	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp062849.exe	Broadcom MR416i-a Cntrl for HPE Gen10+	7.2613.0.0 (C)	7.2613.0.0
2078	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp062849.exe	Broadcom MR216i-p Cntrl for HPE Gen10+	7.2613.0.0 (C)	7.2613.0.0
2079	HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)	cp062849.exe	Broadcom MR216i-a Cntrl for HPE Gen10+	7.2613.0.0 (C)	7.2613.0.0
2080	HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)	MRStorageAdministrator-008.006.018.000-00.x86_64.rpm	Broadcom MR416i-p Cntrl for HPE Gen10+	8.6.18.0 (B)	008.006.018.000-00
2081	HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)	MRStorageAdministrator-008.006.018.000-00.x86_64.rpm	Broadcom MR416i-a Cntrl for HPE Gen10+	8.6.18.0 (B)	008.006.018.000-00
2082	HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)	MRStorageAdministrator-008.006.018.000-00.x86_64.rpm	Broadcom MR216i-p Cntrl for HPE Gen10+	8.6.18.0 (B)	008.006.018.000-00
2083	HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)	MRStorageAdministrator-008.006.018.000-00.x86_64.rpm	Broadcom MR216i-a Cntrl for HPE Gen10+	8.6.18.0 (B)	008.006.018.000-00
2084	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp062848.exe	Broadcom MR416i-p Cntrl for HPE Gen10+	8.6.18.0 (D)	8.6.18.0
2085	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp062848.exe	Broadcom MR416i-a Cntrl for HPE Gen10+	8.6.18.0 (D)	8.6.18.0
2086	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp062848.exe	Broadcom MR216i-p Cntrl for HPE Gen10+	8.6.18.0 (D)	8.6.18.0
2087	HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)	cp062848.exe	Broadcom MR216i-a Cntrl for HPE Gen10+	8.6.18.0 (D)	8.6.18.0
2088	NVMe Drive Eject NMI Fix for Intel Xeon Processor Scalable Family for Microsoft Windows 64-bit	cp062134.exe	-	1.1.0.0 (G)	1.1.0.0
2089	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	6.40.6.0	6.40-6.0
2090	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	6.40.6.0	6.40-6.0
2091	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	6.40.6.0	6.40-6.0
2092	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	6.40.6.0	6.40-6.0
2093	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	6.40.6.0	6.40-6.0

2094	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	6.40.6.0	6.40-6.0
2095	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	Smart Array S100i SR	6.40.6.0	6.40-6.0
2096	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	Smart Array S100i SR	6.40.6.0	6.40-6.0
2097	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	Smart Array S100i SR	6.40.6.0	6.40-6.0
2098	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	Microchip SR416i-a Cntrl for HPE Gen10+	6.40.6.0	6.40-6.0
2099	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	Microchip SR932i-p Cntrl for HPE Gen10+	6.40.6.0	6.40-6.0
2100	Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssacli-6.40-6.0.x86_64.rpm	HPE 12Gb SAS Expander Card	6.40.6.0	6.40-6.0
2101	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	HPE Smart Array P408i-a SR Gen10 Controller	6.40.6.0	6.40.6.0
2102	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	HPE Smart Array P408i-p SR Gen10 Controller	6.40.6.0	6.40.6.0
2103	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	HPE Smart Array P816i-a SR Gen10 Controller	6.40.6.0	6.40.6.0
2104	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	HPE Smart Array E208e-p SR Gen10 Controller	6.40.6.0	6.40.6.0
2105	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	HPE Smart Array E208i-a SR Gen10 Controller	6.40.6.0	6.40.6.0
2106	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	HPE Smart Array E208i-p SR Gen10 Controller	6.40.6.0	6.40.6.0
2107	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	Microchip SR416i-a Cntrl for HPE Gen10+	6.40.6.0	6.40.6.0
2108	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	Microchip SR932i-p Cntrl for HPE Gen10+	6.40.6.0	6.40.6.0
2109	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	Smart Array S100i SR	6.40.6.0	6.40.6.0
2110	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	Smart Array S100i SR	6.40.6.0	6.40.6.0
2111	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	Smart Array S100i SR	6.40.6.0	6.40.6.0
2112	Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059212.exe	HPE 12Gb SAS Expander Card	6.40.6.0	6.40.6.0
2113	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	6.40.6.0	6.40-6.0
2114	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	6.40.6.0	6.40-6.0
2115	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	6.40.6.0	6.40-6.0

2116	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	6.40.6.0	6.40-6.0
2117	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	6.40.6.0	6.40-6.0
2118	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	6.40.6.0	6.40-6.0
2119	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	Smart Array S100i SR	6.40.6.0	6.40-6.0
2120	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	Smart Array S100i SR	6.40.6.0	6.40-6.0
2121	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	Smart Array S100i SR	6.40.6.0	6.40-6.0
2122	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	Microchip SR416i-a Cntrl for HPE Gen10+	6.40.6.0	6.40-6.0
2123	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	Microchip SR932i-p Cntrl for HPE Gen10+	6.40.6.0	6.40-6.0
2124	Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssa-6.40-6.0.x86_64.rpm	HPE 12Gb SAS Expander Card	6.40.6.0	6.40-6.0
2125	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	HPE Smart Array P408i-a SR Gen10 Controller	6.40.6.0	6.40.6.0
2126	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	HPE Smart Array P408i-p SR Gen10 Controller	6.40.6.0	6.40.6.0
2127	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	HPE Smart Array P816i-a SR Gen10 Controller	6.40.6.0	6.40.6.0
2128	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	HPE Smart Array E208e-p SR Gen10 Controller	6.40.6.0	6.40.6.0
2129	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	HPE Smart Array E208i-a SR Gen10 Controller	6.40.6.0	6.40.6.0
2130	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	HPE Smart Array E208i-p SR Gen10 Controller	6.40.6.0	6.40.6.0
2131	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	Microchip SR932i-p Cntrl for HPE Gen10+	6.40.6.0	6.40.6.0
2132	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	Smart Array S100i SR	6.40.6.0	6.40.6.0
2133	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	Smart Array S100i SR	6.40.6.0	6.40.6.0
2134	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	Smart Array S100i SR	6.40.6.0	6.40.6.0
2135	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	Microchip SR416i-a Cntrl for HPE Gen10+	6.40.6.0	6.40.6.0
2136	Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059211.exe	HPE 12Gb SAS Expander Card	6.40.6.0	6.40.6.0
2137	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10	ssaducli-6.40-6.0.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	6.40.6.0	6.40-6.0

	Plus/Gen11 Controllers				
2138	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	6.40.6.0	6.40-6.0
2139	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	6.40.6.0	6.40-6.0
2140	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	6.40.6.0	6.40-6.0
2141	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	6.40.6.0	6.40-6.0
2142	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	6.40.6.0	6.40-6.0
2143	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	Smart Array S100i SR	6.40.6.0	6.40-6.0
2144	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	Smart Array S100i SR	6.40.6.0	6.40-6.0
2145	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	Smart Array S100i SR	6.40.6.0	6.40-6.0
2146	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	Microchip SR416i-a Cntrl for HPE Gen10+	6.40.6.0	6.40-6.0
2147	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	Microchip SR932i-p Cntrl for HPE Gen10+	6.40.6.0	6.40-6.0
2148	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	ssaducli-6.40-6.0.x86_64.rpm	HPE 12Gb SAS Expander Card	6.40.6.0	6.40-6.0
2149	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	HPE Smart Array P408i-a SR Gen10 Controller	6.40.6.0	6.40.6.0
2150	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	HPE Smart Array P408i-p SR Gen10 Controller	6.40.6.0	6.40.6.0
2151	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	HPE Smart Array P816i-a SR Gen10 Controller	6.40.6.0	6.40.6.0
2152	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	HPE Smart Array E208e-p SR Gen10 Controller	6.40.6.0	6.40.6.0
2153	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	HPE Smart Array E208i-a SR Gen10 Controller	6.40.6.0	6.40.6.0
2154	Smart Storage Administrator	cp059213.exe	HPE Smart Array	6.40.6.0	6.40.6.0

	Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers		E208i-p SR Gen10 Controller		
2155	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	Smart Array S100i SR	6.40.6.0	6.40.6.0
2156	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	Smart Array S100i SR	6.40.6.0	6.40.6.0
2157	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	Smart Array S100i SR	6.40.6.0	6.40.6.0
2158	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	Microchip SR416i-a Cntrl for HPE Gen10+	6.40.6.0	6.40.6.0
2159	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	Microchip SR932i-p Cntrl for HPE Gen10+	6.40.6.0	6.40.6.0
2160	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers	cp059213.exe	HPE 12Gb SAS Expander Card	6.40.6.0	6.40.6.0

6.3 パッケージの変更内容

Online ROM Flash Component for Linux - System ROM U34

Version: 3.30_07-31-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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Online ROM Flash Component for Linux - System ROM U30

Version: 3.30_07-31-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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Online ROM Flash Component for Linux - System ROM U32

Version: 3.30_07-31-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced

Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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Online ROM Flash Component for Linux - System ROM U41

Version: 3.30_07-31-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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Online ROM Flash Component for Linux - System ROM U43

Version: 3.40_08-01-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-45229,

CVE-2022-36763, CVE-2022-36764, CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.

- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.04.913.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where WHLK HSTI test failed.
- Addressed an issue where the "Physical Drive missing" message appears twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter an RSOD while updating the SAS drive FW.

Enhancements/New Features:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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Online ROM Flash Component for Linux - System ROM U44

Version: 3.40_08-01-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-45229, CVE-2022-36763, CVE-2022-36764, CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.04.913.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where WHLK HSTI test failed.
- Addressed an issue where the "Physical Drive missing" message appears twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System

Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

- Addressed an issue where system may encounter an RSOD while updating the SAS drive FW.

Enhancements/New Features:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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Online ROM Flash Component for Linux - System ROM U46

Version: 2.20_08-07-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-5678, CVE-2021-38575 and CVE-2021-38578. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.04.04.603.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of the MR controller.
- Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword may not work.
- Addressed an issue where Battery Failure IML message log may be incorrectly logged for the Smart Array controller with Smart Storage Battery.
- Addressed an issue where the driver Health Message was shown twice in POST when drive was removed and ran cold boot.
- Addressed an issue where the RBSU/Firmware update shows "Flash successfully" message when incorrect SATA firmware was loaded for upgrade.
- Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.
- Addressed an issue where system may hang up with fully installed NVMe drives.
- Addressed an issue where SMBIOS type 203 show incorrect information when Bifurcation/Dual-Bifurcation is enabled.
- Addressed an issue where the RBSU¥Firmware update shows "Flash successfully" message when incorrect SATA firmware was loaded for upgrade.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System

Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.

- Addressed an issue where UMB firmware version showed incorrectly in Firmware information of System Configuration (RBSU).
- Removed the value of "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added the System Configuration (RBSU) options "PCIe Device Configuration/Advanced PCIe Configuration/PCIe Data Link Feature/PCIe Slot XX Data Link Feature Exchange" and set to "Enabled" by default. These options can be used to disable Data Link Feature Exchange when a legacy (Gen 3 or older) PCIe card is installed, which is not compatible with this feature. This setting has the following Redfish properties: /redfish/v1/systems/1/bios/settings/SlotXXDataLinkFeatureExchange
- Added new Microsoft secure boot keys, KEK2023, Microsoft UEFI CA 2023 and Windows UEFI CA 2023, since the original keys will expire in 2026.
- Added the System Configuration (RBSU) option "Boot Options/UEFI Boot Settings/Filter Non-bootable Drives" and set to "Auto" by default. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/FilterNonbootableDrive

Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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Online ROM Flash Component for Linux - System ROM U60

Version: 2.20_08-07-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.00.03.604.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-45229, CVE-2023-5678, and CVE-2021-38578. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving configuration page of an MR controller.
- Addressed an issue that Battery Failure IML message log may be incorrectly logged for MR Controller

with Smart Storage Battery.

- Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Removed the value of "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".

Online ROM Flash Component for Linux - System ROM U61

Version: 2.20_08-07-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.00.03.604.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-45229, CVE-2023-5678, and CVE-2021-38578. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving configuration page of an MR controller.
- Addressed an issue that Battery Failure IML message log may be incorrectly logged for MR Controller with Smart Storage Battery.
- Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Removed the value of "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".

Online ROM Flash Component for Windows x64 - System ROM U34

Version: 3.30_07-31-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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Online ROM Flash Component for Windows x64 - System ROM U30

Version: 3.30_07-31-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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Online ROM Flash Component for Windows x64 - System ROM U32

Version: 3.30_07-31-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced

Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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Online ROM Flash Component for Windows x64 - System ROM U41

Version: 3.30_07-31-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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Online ROM Flash Component for Windows x64 - System ROM U43

Version: 3.40_08-01-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-45229,

CVE-2022-36763, CVE-2022-36764, CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.

- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.04.913.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where WHLK HSTI test failed.
- Addressed an issue where the "Physical Drive missing" message appears twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter an RSOD while updating the SAS drive FW.

Enhancements/New Features:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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Online ROM Flash Component for Windows x64 - System ROM U44

Version: 3.40_08-01-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-45229, CVE-2022-36763, CVE-2022-36764, CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.04.913.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where WHLK HSTI test failed.
- Addressed an issue where the "Physical Drive missing" message appears twice in POST when a drive was removed and rebooted with incorrect severity in IML.

- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter an RSOD while updating the SAS drive FW.

Enhancements/New Features:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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Online ROM Flash Component for Windows x64 - System ROM U46

Version: 2.20_08-07-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-5678, CVE-2021-38575 and CVE-2021-38578. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.04.04.603.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of the MR controller.
- Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword may not work.
- Addressed an issue where Battery Failure IML message log may be incorrectly logged for the Smart Array controller with Smart Storage Battery.
- Addressed an issue where the driver Health Message was shown twice in POST when drive was removed and ran cold boot.
- Addressed an issue where the RBSU/Firmware update shows "Flash successfully" message when incorrect SATA firmware was loaded for upgrade.
- Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.
- Addressed an issue where system may hang up with fully installed NVMe drives.
- Addressed an issue where SMBIOS type 203 show incorrect information when Bifurcation/Dual-Bifurcation is enabled.
- Addressed an issue where the RBSU¥Firmware update shows "Flash successfully" message when incorrect SATA firmware was loaded for upgrade.

- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where UMB firmware version showed incorrectly in Firmware information of System Configuration (RBSU).
- Removed the value of "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added the System Configuration (RBSU) options "PCIe Device Configuration/Advanced PCIe Configuration/PCIe Data Link Feature/PCIe Slot XX Data Link Feature Exchange" and set to "Enabled" by default. These options can be used to disable Data Link Feature Exchange when a legacy (Gen 3 or older) PCIe card is installed, which is not compatible with this feature. This setting has the following Redfish properties: /redfish/v1/systems/1/bios/settings/SlotXXDataLinkFeatureExchange
- Added new Microsoft secure boot keys, KEK2023, Microsoft UEFI CA 2023 and Windows UEFI CA 2023, since the original keys will expire in 2026.
- Added the System Configuration (RBSU) option "Boot Options/UEFI Boot Settings/Filter Non-bootable Drives" and set to "Auto" by default. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/FilterNonbootableDrive

Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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Online ROM Flash Component for Windows x64 - System ROM U60

Version: 2.20_08-07-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.00.03.604.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-45229, CVE-2023-5678, and CVE-2021-38578. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving configuration page

of an MR controller.

- Addressed an issue that Battery Failure IML message log may be incorrectly logged for MR Controller with Smart Storage Battery.
- Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Removed the value of "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".

Online ROM Flash Component for Windows x64 - System ROM U61

Version: 2.20_08-07-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.00.03.604.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-45229, CVE-2023-5678, and CVE-2021-38578. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving configuration page of an MR controller.
- Addressed an issue that Battery Failure IML message log may be incorrectly logged for MR Controller with Smart Storage Battery.
- Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Removed the value of "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".

ROM Flash Firmware Package - System ROM U34

Version: 3.30_07-31-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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ROM Flash Firmware Package - System ROM U30

Version: 3.30_07-31-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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ROM Flash Firmware Package - System ROM U32

Version: 3.30_07-31-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced

Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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ROM Flash Firmware Package - System ROM U41

Version: 3.30_07-31-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.01.05.002.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where the "Physical Drive missing" message appeared twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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ROM Flash Firmware Package - System ROM U43

Version: 3.40_08-01-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-45229,

CVE-2022-36763, CVE-2022-36764, CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.

- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.04.913.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where WHLK HSTI test failed.
- Addressed an issue where the "Physical Drive missing" message appears twice in POST when a drive was removed and rebooted with incorrect severity in IML.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter an RSOD while updating the SAS drive FW.

Enhancements/New Features:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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ROM Flash Firmware Package - System ROM U44

Version: 3.40_08-01-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-45229, CVE-2022-36763, CVE-2022-36764, CVE-2021-38578, CVE-2023-5678 and CVE-2024-0727. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 05.01.04.913.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of an MR controller.
- Addressed an issue where WHLK HSTI test failed.
- Addressed an issue where the "Physical Drive missing" message appears twice in POST when a drive was removed and rebooted with incorrect severity in IML.

- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options and navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where system may encounter an RSOD while updating the SAS drive FW.

Enhancements/New Features:

- Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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ROM Flash Firmware Package - System ROM U46

Version: 2.20_08-07-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-5678, CVE-2021-38575 and CVE-2021-38578. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 04.04.04.603.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of the MR controller.
- Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword may not work.
- Addressed an issue where Battery Failure IML message log may be incorrectly logged for the Smart Array controller with Smart Storage Battery.
- Addressed an issue where the driver Health Message was shown twice in POST when drive was removed and ran cold boot.
- Addressed an issue where the RBSU/Firmware update shows "Flash successfully" message when incorrect SATA firmware was loaded for upgrade.
- Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.
- Addressed an issue where system may hang up with fully installed NVMe drives.
- Addressed an issue where SMBIOS type 203 show incorrect information when Bifurcation/Dual-Bifurcation is enabled.
- Addressed an issue where the RBSU¥Firmware update shows "Flash successfully" message when incorrect SATA firmware was loaded for upgrade.

- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Addressed an issue where UMB firmware version showed incorrectly in Firmware information of System Configuration (RBSU).
- Removed the value of "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

Enhancements:

- Added the System Configuration (RBSU) options "PCIe Device Configuration/Advanced PCIe Configuration/PCIe Data Link Feature/PCIe Slot XX Data Link Feature Exchange" and set to "Enabled" by default. These options can be used to disable Data Link Feature Exchange when a legacy (Gen 3 or older) PCIe card is installed, which is not compatible with this feature. This setting has the following Redfish properties: /redfish/v1/systems/1/bios/settings/SlotXXDataLinkFeatureExchange
- Added new Microsoft secure boot keys, KEK2023, Microsoft UEFI CA 2023 and Windows UEFI CA 2023, since the original keys will expire in 2026.
- Added the System Configuration (RBSU) option "Boot Options/UEFI Boot Settings/Filter Non-bootable Drives" and set to "Auto" by default. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/FilterNonbootableDrive

Added value "C6 without C1E" in System Configuration (RBSU) option "Power Management/Advanced Power Options menu/Minimum Processor Idle Power Core C-State". When selected, the Minimum Processor Idle Power Core C-State is C6 with C1E disabled. This setting has the following Redfish property: /redfish/v1/systems/1/bios/MinProcIdlePower

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ROM Flash Firmware Package - System ROM U60

Version: 2.20_08-07-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.00.03.604.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-45229, CVE-2023-5678, and CVE-2021-38578. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving configuration page

of an MR controller.

- Addressed an issue that Battery Failure IML message log may be incorrectly logged for MR Controller with Smart Storage Battery.
- Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Removed the value of "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".

ROM Flash Firmware Package - System ROM U61

Version: 2.20_08-07-2024

Important Notes:

- This version of the System ROM contains updates aligned with the Intel Product Update (IPU) version IPU.2024.3 guidance.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.00.03.604.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-45229, CVE-2023-5678, and CVE-2021-38578. The security vulnerabilities are documented in the CVE report site. They are not unique to Hitachi servers.

Problems Fixed:

- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving configuration page of an MR controller.
- Addressed an issue that Battery Failure IML message log may be incorrectly logged for MR Controller with Smart Storage Battery.
- Addressed an issue where system failed to boot with selected NVMe HDD by setting One-Time Boot Option in ILO Web.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.
- Addressed an issue where the boot order was cleared unexpectedly after configuring System Configuration (RBSU) options, navigating to Boot Options > UEFI Boot Settings > UEFI Boot Order, and then pressing F12 to Save and Exit.
- Removed the value of "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Options/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".

Online ROM Flash Component for Linux - iLO 5

Version: 3.08

Problems Fixed:

- Fixed an issue where an SNMP query on cpqHoMIBStatusArray status failed post upgrade to iLO 5 v3.00.
- Fixed an issue where the drives in the Embedded SATA controller were displayed in the label of Un-configured Drives instead of Drives.
- Fixed an issue where fetching the email ID for AD login users fails in a cross-domain setup, affecting the ability to send TFA tokens.
- Fixed an issue that involves a fallback mechanism to retrieve the email address from the parent domain if it cannot be fetched from the cross-domain.
- Fixed an issue where HPE iLO reports a false error Duplicate IP address after resetting HPE iLO.
- Fixed an issue where HPE iLO Shared Network Port is unable to communicate with external routable devices.
- Fixed an issue where HPE iLO may be unable to communicate with external routable devices after a power outage.
- Fixed an issue where DeviceDiscovery process failed to execute.
- Fixed the offline firmware update failure through SPH/SPR and missing the inventory of hard drives.
- Fixed iLO upgrade issue due to file upload failure.
- Fixed a potential random server restart, or Uncorrectable Machine Check Exception (UMCE), when an iLO reset is triggered.
- Fixed an issue with the iLO Firmware auto recovery process.
- Fixed an issue with the sensor index suffix in SNMP sensor name OIDs.
- Fixed an issue where, while updating the One Time Boot option to PXE boot device, the UEFI optimized boot mode was getting setto a disabled state.
- Fixed an issue with dynamic sensor number enumeration in IPMI response.
- Fixed an issue where LDAP mode used to get disabled due to version and size mismatch.
- Fixed an issue where HTTP calls to Rest server (through a web server) to create installset, initiate installset, and read installset was unstable leading to failure in BundleUpdate.
- Fixed an issue where data from Redfish when appended with available data, use to generate unexpected data.
- Fixed an issue query to memory URI response that got delayed or timed out.
- Fixed an issue where there was a communication loss between Ethernet 1Gb 4-port 331FLR adapter and iLO 5.
- Fixes for specific SNMP OIDs for RDE capable storage controllers for controller, physical drive, and logical drive properties.
- Fixed an issue where there was a communication loss between HPE Ethernet 1Gb 4-port 331FLR adapter and HPE iLO 5.
- Fixed an issue of invalid values for SNMP OIDs during SNMPWALK.
- Fixed an issue where SMBIOS data file present in NAND is removed and recreated every time a server reboots.

- Fixed an issue where physical drive status was reported incorrectly in SNMP.

Enhancements:

- Improved error messaging for HPE iLO Two Factor Authentication.
- Support for Fan speed in terms of percentage from SNMP OID Get and Walk.
- Added cypher #17 support for HPE iLO IPMI over LAN interface.
- Support for minimum 15 concurrent sessions per user for each interface.
- Support for InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Adapter.
- Support for TLS v1.3.
- Support for consistent URIs (indexes) under Ethernet interfaces for systems in Gen 10 servers at all times.
- Ability to switch from DHCP6 to static IPv6 address for the same IP address.

Online ROM Flash Component for Windows x64 - iLO 5

Version: 3.08

Problems Fixed:

- Fixed an issue where an SNMP query on cpqHoMIBStatusArray status failed post upgrade to iLO 5 v3.00.
- Fixed an issue where the drives in the Embedded SATA controller were displayed in the label of Un-configured Drives instead of Drives.
- Fixed an issue where fetching the email ID for AD login users fails in a cross-domain setup, affecting the ability to send TFA tokens.
- Fixed an issue that involves a fallback mechanism to retrieve the email address from the parent domain if it cannot be fetched from the cross-domain.
- Fixed an issue where HPE iLO reports a false error Duplicate IP address after resetting HPE iLO.
- Fixed an issue where HPE iLO Shared Network Port is unable to communicate with external routable devices.
- Fixed an issue where HPE iLO may be unable to communicate with external routable devices after a power outage.
- Fixed an issue where DeviceDiscovery process failed to execute.
- Fixed the offline firmware update failure through SPH/SPR and missing the inventory of hard drives.
- Fixed iLO upgrade issue due to file upload failure.
- Fixed a potential random server restart, or Uncorrectable Machine Check Exception (UMCE), when an iLO reset is triggered.
- Fixed an issue with the iLO Firmware auto recovery process.
- Fixed an issue with the sensor index suffix in SNMP sensor name OIDs.
- Fixed an issue where, while updating the One Time Boot option to PXE boot device, the UEFI optimized boot mode was getting setto a disabled state.
- Fixed an issue with dynamic sensor number enumeration in IPMI response.
- Fixed an issue where LDAP mode used to get disabled due to version and size mismatch.
- Fixed an issue where HTTP calls to Rest server (through a web server) to create installset, initiate installset, and read installset was unstable leading to failure in BundleUpdate.

- Fixed an issue where data from Redfish when appended with available data, use to generate unexpected data.
- Fixed an issue query to memory URI response that got delayed or timed out.
- Fixed an issue where there was a communication loss between Ethernet 1Gb 4-port 331FLR adapter and iLO 5.
- Fixes for specific SNMP OIDs for RDE capable storage controllers for controller, physical drive, and logical drive properties.
- Fixed an issue where there was a communication loss between HPE Ethernet 1Gb 4-port 331FLR adapter and HPE iLO 5.
- Fixed an issue of invalid values for SNMP OIDs during SNMPWALK.
- Fixed an issue where SMBIOS data file present in NAND is removed and recreated every time a server reboots.
- Fixed an issue where physical drive status was reported incorrectly in SNMP.

Enhancements:

- Improved error messaging for HPE iLO Two Factor Authentication.
- Support for Fan speed in terms of percentage from SNMP OID Get and Walk.
- Added cypher #17 support for HPE iLO IPMI over LAN interface.
- Support for minimum 15 concurrent sessions per user for each interface.
- Support for InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Adapter.
- Support for TLS v1.3.
- Support for consistent URIs (indexes) under Ethernet interfaces for systems in Gen 10 servers at all times.
- Ability to switch from DHCP6 to static IPv6 address for the same IP address.

Online ROM Flash Firmware Package - iLO 5

Version: 3.08

Problems Fixed:

- Fixed an issue where an SNMP query on cpqHoMIBStatusArray status failed post upgrade to iLO 5 v3.00.
- Fixed an issue where the drives in the Embedded SATA controller were displayed in the label of Un-configured Drives instead of Drives.
- Fixed an issue where fetching the email ID for AD login users fails in a cross-domain setup, affecting the ability to send TFA tokens.
- Fixed an issue that involves a fallback mechanism to retrieve the email address from the parent domain if it cannot be fetched from the cross-domain.
- Fixed an issue where HPE iLO reports a false error Duplicate IP address after resetting HPE iLO.
- Fixed an issue where HPE iLO Shared Network Port is unable to communicate with external routable devices.
- Fixed an issue where HPE iLO may be unable to communicate with external routable devices after a power outage.

- Fixed an issue where DeviceDiscovery process failed to execute.
- Fixed the offline firmware update failure through SPH/SPR and missing the inventory of hard drives.
- Fixed iLO upgrade issue due to file upload failure.
- Fixed a potential random server restart, or Uncorrectable Machine Check Exception (UMCE), when an iLO reset is triggered.
- Fixed an issue with the iLO Firmware auto recovery process.
- Fixed an issue with the sensor index suffix in SNMP sensor name OIDs.
- Fixed an issue where, while updating the One Time Boot option to PXE boot device, the UEFI optimized boot mode was getting setto a disabled state.
- Fixed an issue with dynamic sensor number enumeration in IPMI response.
- Fixed an issue where LDAP mode used to get disabled due to version and size mismatch.
- Fixed an issue where HTTP calls to Rest server (through a web server) to create installset, initiate installset, and read installset was unstable leading to failure in BundleUpdate.
- Fixed an issue where data from Redfish when appended with available data, use to generate unexpected data.
- Fixed an issue query to memory URI response that got delayed or timed out.
- Fixed an issue where there was a communication loss between Ethernet 1Gb 4-port 331FLR adapter and iLO 5.
- Fixes for specific SNMP OIDs for RDE capable storage controllers for controller, physical drive, and logical drive properties.
- Fixed an issue where there was a communication loss between HPE Ethernet 1Gb 4-port 331FLR adapter and HPE iLO 5.
- Fixed an issue of invalid values for SNMP OIDs during SNMPWALK.
- Fixed an issue where SMBIOS data file present in NAND is removed and recreated every time a server reboots.
- Fixed an issue where physical drive status was reported incorrectly in SNMP.

Enhancements:

- Improved error messaging for HPE iLO Two Factor Authentication.
- Support for Fan speed in terms of percentage from SNMP OID Get and Walk.
- Added cypher #17 support for HPE iLO IPMI over LAN interface.
- Support for minimum 15 concurrent sessions per user for each interface.
- Support for InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Adapter.
- Support for TLS v1.3.
- Support for consistent URIs (indexes) under Ethernet interfaces for systems in Gen 10 servers at all times.
- Ability to switch from DHCP6 to static IPv6 address for the same IP address.

Identifiers for Intel Xeon E-22xx Processor for Microsoft Windows

Version: 10.1.19928.8615 (Optional)

Enhancements

- Updated Supported Environments
- Updated Supported Platforms

Identifiers for Intel Xeon E-23xx Processor for Microsoft Windows

Version: 10.1.19886.8592 (Optional)

Enhancements

- Updated Supported Environments

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

Version: 10.1.19006.8299 (C) (Optional)

Enhancements

- Updated Supported Environments

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

Version: 10.1.19879.8585 (Optional)

Enhancements

- Updated support environments

Broadcom NetXtreme-E Driver for Microsoft Windows Server 2019

Version: 230.0.162.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Broadcom Firmware Package for BCM5741x and BCM5750x adapters, version 230.1.123.0 or later, for use with this driver.

Fixes

- This product fixes the issue of standardized INF keyword failures in the driver's INF file.
- This product fixes the issue of static analysis warnings in WMI (Windows Management Instrumentation) string handling for OIDs (Object Identifiers).
- This product fixes the driver's queue pair suspension state-checking.

Enhancements

- This product enhances the abortive cleanup mechanisms for NDSPI interfaces.
- This product enhances the cleanup of adapter instance structures during driver unloading.
- This product enhances the cleanup process for NDIS DMA resources when the driver is unloaded.
- This product enhances event log messaging.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter

- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022

Version: 230.0.162.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Broadcom Firmware Package for BCM5741x and BCM5750x adapters, version 230.1.123.0 or later, for use with this driver.

Fixes

- This product fixes the issue of standardized INF keyword failures in the driver's INF file.
- This product fixes the issue of static analysis warnings in WMI (Windows Management Instrumentation) string handling for OIDs (Object Identifiers).
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- This product enhances the abortive cleanup mechanisms for NDSPI interfaces.
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- This product enhances the cleanup process for NDIS DMA resources when the driver is unloaded.
- This product enhances event log messaging.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

Broadcom NX1 1Gb Driver for Windows Server x64 Editions

Version: 221.0.6.0 (Recommended)

Important Note!

- HPE recommends the firmware provided in HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.
- HPE recommends the firmware provided in HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

- This product enhances to update the install section for Device ID mapping to enable the missing

configuration.

- This product enhances to compile with WDK (Windows Driver Kit) 26080.
- This product enhances to update project makefile and INF file for compilation with the new toolchain.

Supported Devices and Features

- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE
- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE

HPE Broadcom NetXtreme-E Driver for Windows Server 2019

Version: 230.0.162.0 (Recommended)

Important Note!

Fixes

- This product fixes the issue of standardized INF keyword failures in the driver's INF file.
- This product fixes the issue of static analysis warnings in WMI (Windows Management Instrumentation) string handling for OIDs (Object Identifiers).
- This product fixes the driver's queue pair suspension state-checking.

Enhancements

- This product enhances the abortive cleanup mechanisms for NDSPI interfaces.
- This product enhances the cleanup of adapter instance structures during driver unloading.
- This product enhances the cleanup process for NDIS DMA resources when the driver is unloaded.
- This product enhances event log messaging.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 535FLR-T Adapter
- HPE Ethernet 10Gb 2-port 535T Adapter
- HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter

HPE Broadcom NetXtreme-E Driver for Windows Server 2022

Version: 230.0.162.0 (Recommended)

Important Note!

Fixes

- This product fixes the issue of standardized INF keyword failures in the driver's INF file.
- This product fixes the issue of static analysis warnings in WMI (Windows Management Instrumentation) string handling for OIDs (Object Identifiers).
- This product fixes the driver's queue pair suspension state-checking.

Enhancements

- This product enhances the abortive cleanup mechanisms for NDSPI interfaces.
- This product enhances the cleanup of adapter instance structures during driver unloading.
- This product enhances the cleanup process for NDIS DMA resources when the driver is unloaded.
- This product enhances event log messaging.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 535FLR-T Adapter
- HPE Ethernet 10Gb 2-port 535T Adapter
- HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter

HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8

Version: 1.10.3-230.0.132.0 (Recommended)

Important Note!

HPE recommends the HPE Broadcom NetXtreme-E Firmware Version, 230.1.123000 or later, for use with this driver.

Prerequisites

This product is required to unload inbox NIC driver before install OOB driver if user want OOB driver to take effect immediately. Otherwise, OOB driver will take effect after system reboot under inbox driver is loaded.

Fixes

- This product addresses an issue when reattaching a slave device to a network bond with HWRM (Hardware Resource Manager).
- This product addresses the mutex deadlock issue when loading/unloading the bonding and bnxt_re drivers.
- This product addresses the problem where the automated process for installing RoCE drivers.
- This product addresses the problem when allocating memory with the GFP flag.
- This product addresses an issue that causes the system to crash when a virtual machine (VM) with hardware Link Aggregation Group (LAG) enabled is removed.
- This product addresses an issue where the system would crash during the process of offloading network flows to hardware.
- This product addresses an issue where the system would experience a kernel panic when unloading a module while xdpsock is running.
- This product addresses the issue where fix bug in error handling code path of the probe.
- This product addresses an issue where kernel warnings on 6.5 and newer kernels.
- This product addresses an issue where an error occurs when attempting to reinitialize a Virtual Function (VF) after performing a firmware reset and reinitializing the Physical Function (PF).

- This product addresses an issue where fix RSS table size calculation.

Enhancements

- This product enhances driver logging error messages.
- This product enhances a log message in case of failure.
- This product enhances the ethtool maximum pre-set value for the combined channels.
- This product enhances to prevent fortify memory copy warnings and errors.
- This product enhances ntuple, RSS contexts, and improved PTP timeout.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 535FLR-T Adapter
- HPE Ethernet 10Gb 2-port 535T Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter
- HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

HPE Broadcom NetXtreme-E Drivers for VMware vSphere 7.0

Version: 2024.09.00 (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 CP0xxxxx.xml file.
- HPE recommends the HPE Broadcom NetXtreme-E Firmware Version, 230.1.123000 or later, for use with this driver.

Fixes

This product addresses the problem to enabling NPAR+ SRIOV (more than supported VFs through Driver) causes system failure.

Enhancements

- This product enhances RoCE command size trimming.
- This product enhances driver logging to capture non-supported dual-rate transceiver async errors.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 535FLR-T Adapter
- HPE Ethernet 10Gb 2-port 535T Adapter

- HPE Ethernet 10Gb 2-port 537SFP+ Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter
- HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0

Version: 2024.09.00 (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 CP0xxxxx.xml file.
- HPE recommends the HPE Broadcom NetXtreme-E Firmware Version, 230.1.123000 or later, for use with this driver.

Fixes

This product addresses the problem to enabling NPAR+ SRIOV (more than supported VFs through Driver) causes system failure.

Enhancements

- This product enhances RoCE command size trimming.
- This product enhances driver logging to capture non-supported dual-rate transceiver async errors.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 535FLR-T Adapter
- HPE Ethernet 10Gb 2-port 535T Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter
- HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9.

Version: 230.0.132.0 (Recommended)

Prerequisites

The libibverb and rdma-core package must be installed on the target system prior to the installation of the RoCE library. If not already present, the packages can be obtained from the operating system installation media.

Fixes

- This product addresses an issue when reattaching a slave device to a network bond with HWRM (Hardware Resource Manager).
- This product addresses the mutex deadlock issue when loading/unloading the bonding and bnxt_re drivers.
- This product addresses the problem where the automated process for installing RoCE drivers.
- This product addresses the problem when allocating memory with the GFP flag.
- This product addresses an issue that causes the system to crash when a virtual machine (VM) with hardware Link Aggregation Group (LAG) enabled is removed.
- This product addresses an issue where the system would crash during the process of offloading network flows to hardware.
- This product addresses an issue where the system would experience a kernel panic when unloading a module while xdpsock is running.
- This product addresses the issue where fix bug in error handling code path of the probe.
- This product addresses an issue where kernel warnings on 6.5 and newer kernels.
- This product addresses an issue where an error occurs when attempting to reinitialize a Virtual Function (VF) after performing a firmware reset and reinitializing the Physical Function (PF).
- This product addresses an issue where fix RSS table size calculation.

Enhancements

- This product enhances driver logging error messages.
- This product enhances a log message in case of failure.
- This product enhances the ethtool maximum pre-set value for the combined channels.
- This product enhances to prevent fortify memory copy warnings and errors.
- This product enhances ntuple, RSS contexts, and improved PTP timeout.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 535FLR-T Adapter
- HPE Ethernet 10Gb 2-port 535T Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ Adapter
- HPE Ethernet 10Gb 2-port 537SFP+ FLR Adapter
- HPE Ethernet 10/25Gb 2-port 631FLR-SFP28 Adapter
- HPE Ethernet 10/25Gb 2-port 631SFP28 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ BCM57412 Adapter

- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 OCP3 Adapter
- HPE Ethernet 10/25Gb 2-port SFP28 BCM57414 Adapter
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions

Version: 221.0.6.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

- This product enhances to update the install section for Device ID mapping to enable the missing configuration.
- This product enhances to compile with WDK (Windows Driver Kit) 26080.
- This product enhances to update project makefile and INF file for compilation with the new toolchain.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port 331i Adapter (22BE)
- HPE Ethernet 1Gb 4-port 331FLR Adapter
- HPE Ethernet 1Gb 4-port 331T Adapter
- HPE Ethernet 1Gb 2-port 332i Adapter (22E8)
- HPE Ethernet 1Gb 2-port 332T Adapter

HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8

Version: 3.139m-1 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE NX1 Broadcom Online Firmware Upgrade Utility for Linux x86_64, version 2.38.x or later, for use with these drivers.

Prerequisites

This product is required to unload inbox NIC driver before install OOB driver if user want OOB driver to take effect immediately. Otherwise, OOB driver will take effect after system reboot under inbox driver is loaded.

Enhancements

- This product enhances to support for more Linux distributions.
- This product enhances to implement compact code to handle the kernel DMA API for tg3.
- This product enhances to implement compact code to handle the kernel DMA API for tg3.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port 331i Adapter (22BE)

- HPE Ethernet 1Gb 4-port 331FLR Adapter
- HPE Ethernet 1Gb 4-port 331T Adapter
- HPE Ethernet 1Gb 2-port 332i Adapter (22E8)
- HPE Ethernet 1Gb 2-port 332T Adapter
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE
- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE

HPE Intel E1R Driver for Windows Server 2019

Version: 14.0.5.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

- HP Ethernet 1Gb 2-port 361i Adapter
- 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 2022

Version: 14.0.5.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

- HP Ethernet 1Gb 2-port 361i Adapter
- 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 8

Version: 2.25.9-1 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.31.0 or later, for use with these drivers.

Fixes

- This product fixes an issue where the driver will honor user IRQ affinity settings.
- This product fixes an issue where the VF may be used uninitialized in the function warning.

Enhancements

- This product now adds more trace events related to SFP module IOCTLs.
- This product now supports Red Hat Enterprise Linux 8 update 10.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port 369i Adapter
- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

HPE Intel i40ea Driver for Windows Server 2019

Version: 1.19.164.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- HPE Ethernet 10Gb 2-port 562SFP+ Adapter

HPE Intel i40ea Driver for Windows Server 2022

Version: 1.19.165.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

- HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter

・HPE Ethernet 10Gb 2-port 562SFP+ Adapter

HPE Intel i40eb Driver for Windows Server 2019

Version: 1.19.164.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

・HPE Ethernet 1Gb 4-port 369i Adapter

HPE Intel i40eb Driver for Windows Server 2022

Version: 1.19.164.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

・HPE Ethernet 1Gb 4-port 369i Adapter

HPE Intel i40en Driver for VMware vSphere 7.0

Version: 2024.09.00 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.24.0 or later, for use with this driver.

Enhancements

・This product enhanced to support log FW Failure Critical Data in Recovery Mode.

・This product enhanced to support add module parameters pause_rx and pause_tx for Link Flow Control and enable it by default.

Supported Devices and Features

・HPE Ethernet 1Gb 4-port 369i Adapter

・HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter

・HPE Ethernet 10Gb 2-port 562SFP+ Adapter

・HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter

・HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

HPE Intel i40en Driver for VMware vSphere 8.0

Version: 2024.09.00 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.24.0 or later, for use with this driver.

Enhancements

・This product enhanced to support log FW Failure Critical Data in Recovery Mode.

・This product enhanced to support add module parameters pause_rx and pause_tx for Link Flow Control and enable it by default.

Supported Devices and Features

・HPE Ethernet 1Gb 4-port 369i Adapter

・HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter

・HPE Ethernet 10Gb 2-port 562SFP+ Adapter

・HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter

・HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter

HPE Intel iavf Drivers for Red Hat Enterprise Linux 8

Version: 4.11.2-1 (Recommended)

Important Note!

・HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.31.0 or later, for use with these drivers.

・Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.31.0 or later, for use with these drivers.

・Intel Firmware Package For E810, version 4.50 or later for use with these drivers.

Fixes

・This product fixes an issue where VLAN set operation may leads to deadlock.

・This product fixes an issue where a NULL pointer dereference in early reset.

・This prodcut fixes an issue where users fail to change the number of queues (channels).

・This product fixes an issue where system hang when VFs are created and VLAN configured.

Enhancements

This product now supports Red Hat Enterprise Linux 8 update 10.

Supported Devices and Features

・HPE Ethernet 1Gb 4-port 369i Adapter

・HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter

・HPE Ethernet 10Gb 2-port 562SFP+ Adapter

・HPE Ethernet 10Gb 2-port SFP+ OCP3 X710-DA2 Adapter

- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter
- 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

HPE Intel igb Drivers for Red Hat Enterprise Linux 8

Version: 6.16.9-1 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.31.0 or later, for use with these drivers.

Enhancements

This product now supports Red Hat Enterprise Linux 8 update 10.

Supported Devices and Features

- HPE Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 1Gb 2-port 361i Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE

HPE Intel igbn Driver for VMware vSphere 7.0

Version: 2024.09.00 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.24.0 or later, for use with this driver.

Enhancements

This product added support to new Gen11 servers.

Supported Devices and Features

- HPE Ethernet 1Gb 2-port 361T Adapter
- HPE Ethernet 1Gb 2-port 361i Adapter
- HPE Ethernet 1Gb 4-port 366FLR Adapter
- HPE Ethernet 1Gb 4-port 366T Adapter
- Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE

・Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE

HPE Intel igbn Driver for VMware vSphere 8.0

Version: 2024.09.00 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.24.0 or later, for use with this driver.

Enhancements

This product added support to new Gen11 servers.

Supported Devices and Features

・HPE Ethernet 1Gb 2-port 361T Adapter
・HPE Ethernet 1Gb 2-port 361i Adapter
・HPE Ethernet 1Gb 4-port 366FLR Adapter
・HPE Ethernet 1Gb 4-port 366T Adapter
・Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE
・Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE

HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 8

Version: 5.20.9-1 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.31.0 or later, for use with these drivers.

Fixes

This product fixes an issue where the driver will honor user IRQ affinity settings.

Enhancements

This product now supports Red Hat Enterprise Linux 8 update 10.

Supported Devices and Features

・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: 2024.03.00 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.23.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.4.

Supported Devices and Features

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

HPE Intel ixgben Driver for VMware vSphere 8.0

Version: 2024.03.00 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for VMware, version 3.23.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.4.

Supported Devices and Features

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

HPE Intel ixgbevf Drivers for Red Hat Enterprise Linux 8

Version: 4.19.9-1 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.31.0 or later, for use with these drivers.

Fixes

This product fixes some minor compiling issues such as warning message.

Enhancements

This product now supports Red Hat Enterprise Linux 8 update 10.

Supported Devices and Features

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

HPE Intel ixs Driver for Windows Server 2019

Version: 4.1.254.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with the new firmware.

Supported Devices and Features

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

HPE Intel ixs Driver for Windows Server 2022

Version: 4.1.254.0 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with the new firmware.

Supported Devices and Features

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

HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2019

Version: 24.4.26429.0 (Recommended)

Fixes

This product fixed BSOD event not being detected when collecting mstdump on BUGCHECK while the device was already down.

Supported Devices and Features

- HPE Ethernet 25Gb 2-port 640SFP28 Adapter
- HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter

HPE Mellanox CX4LX and CX5 Driver for Microsoft Windows Server 2022

Version: 24.4.26429.0 (Recommended)

Fixes

This product fixed BSOD event not being detected when collecting mstdump on BUGCHECK while the device was already down.

Supported Devices and Features

- HPE Ethernet 25Gb 2-port 640SFP28 Adapter
- HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter

HPE Mellanox MFT prerequisite RPMs for Mellanox adapter firmware update in Secure Boot mode for Red Hat Enterprise Linux 8 Update 9 (x86_64)

Version: 4.26.1-3 (Optional)

Fixes

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

Enhancements

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

Supported Devices and Features

4.18.0-513.5.1.el8_9 - (x86_64) and future update kernels.

HPE Mellanox RoCE (RDMA over Converged Ethernet) ConnectX-4, ConnectX-5 and ConnectX-6 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)

Version: 24.04-0.6.6.1 (Recommended)

Important Note!

Mellanox Ethernet + RoCE Linux driver (mlnx-ofa_kernel RPMs) supports only Ethernet mode of operation with RoCE (RDMA over Converged Ethernet) functionality for HPE Mellanox Ethernet-only adapters and HPE Mellanox VPI (Virtual Protocol Interconnect) adapters configured to operate in Ethernet mode. For customers requiring complete InfiniBand functionality or "InfiniBand + Ethernet" modes of operation on the same node, install HPE signed MLNX-OFED drivers from Linux Software Delivery Repository (https://downloads.linux.hpe.com/SDR/project/mlnx_ofed_cx4plus/).

Fixes

- An issue related to the comparison process between the SW steering and FW steering modes to avoid kernel crashes incidences.
- The tc_wrap tool did not work properly when VLAN was configured as the tool incorrectly handled the library function return value.
- An IPSec issue that resulted in Crypto offload getting disabled.
- Memory corruption issue when running XDP traffic.
- IFA packets were sent from the incorrect port on VF LAG.
- An issue that caused a deadlock in the flow of disabling the LAG when changing eswitch mode from switchdev to legacy when a LAG bond existed on the machine.
- In systems with 64k page size, applications opening a substantial amount of RDMA resources such as UARs, QPs, and CQs might encounter errors during the creation of these resources due to limitations in PCI BAR size.
- PFC configuration was reset when updating the cable length via mlnx_qos.

Enhancements

- Added support for Live Migration. Live migration refers to the process of moving a guest virtual machine (VM) running on one physical host to another host without disrupting normal operations or causing any

downtime or other adverse effects for the end user.

- Added support for multicast control path packet snooping (IGMP/MLD) and offload of MDB notifications in order to replicate multicast traffic to multiple destinations in the hardware.
- Increased the netdev maximum channels from 128 to 256 for systems with a high number of cores.
- Enhanced performance by removing the internal Rx path from the internal page cache, thus allowing the driver to always use the kernel's page_pool.
- Enhanced performance by adding the following modifications in XDP:
  - Added XDP multi-buffer support to the default RQ type (Striding RQ)
  - Added support for XDP multi-buffer redirect-in
  - Allowed non-linear single-segment frames in XDP TX MPWQE
- Increased the maximum outstanding DC atomic reads to 32 to enable the driver to handle reads larger than 8K. Now log_max_ra_{res/req}_dc is exposed in DV API, enabling the user to see both RC and DC values.
- Added support for Linux kernel DPLL subsystem as a mechanism for working with clock signals in NVIDIA's proprietary synchronous ethernet protocol daemon. This new mechanism enables the use of both VFs and SFs, and is supported starting from korg6.8.
- Limited the number of MADs received on the wire that are queued in the kernel as they are waiting for the user-space application to 200k per umad file. By that, preventing malicious or faulty behavior of flooding a node with MADs and exhausting its memory.
- Added the option to expose offloaded FDB state (flags, counters, etc.) via debugfs for debugging purposes.
- Added the option to expose offloaded FDB state (flags, counters, etc.) via debugfs for debugging purposes.$ cat mlx5/0000¥:08¥:00.0/esw/bridge/bridge1/fdb DEV MAC VLAN PACKETS BYTES LASTUSE FLAGS enp8s0f0_1 e4:0a:05:08:00:06 2 2 204 4295567112 0x0enp8s0f0_0 e4:0a:05:08:00:03 2 3 278 4295567112 0x0
- Added support for over KORG 6.7 read frequency_diff.

Supported Devices and Features

SUPPORTED KERNELS:The kernels of Red Hat Enterprise Linux 8 update 9 (x86_64) supported by this binary rpm are:

- 4.18.0-513.5.1.el8_9 (x86_64) and future update kernels.

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

Version: 8.74.4.0-8 (Recommended)

Important Note!

Linux Driver Version ---------- Linux qed 8.74.4.0 Linux qede 8.74.4.0 Linux qedr 8.74.4.0 Linux qedi 8.74.4.0 Linux qedf 8.74.4.0HPE recommends the firmware provided as below for use with these drivers,

- Firmware component (HPE QLogic FastLinQ Firmware Package for Arrowhead adapters, ql_hp_ah_mbi_8.65.14_pldm.fwpkg) version 8.65.14 or later is recommended for use with this driver set.

Prerequisites

This product is required to unload inbox NIC driver before install OOB driver if user want OOB driver to take effect immediately. Otherwise, OOB driver will take effect after system reboot under inbox driver is loaded.

Enhancements

This product now supports Red Hat Enterprise Linux 8 update 10.

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

Version: 8.72.15.0 (Recommended)

Important Note!

- HPE QLogic FastLinQ Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.6.0 or later.

Fixes

This product corrects an issue which Windows Server 2022 crashes when system has high number of logical processors.

Supported Devices and Features

- HPE Ethernet 10/25Gb 2-port 622FLR-SFP28 Converged Network Adapter

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

Version: 2024.09.00 (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 CP0xxxxx.xml file.HPE recommends the firmware provided as below for use with these drivers,

- HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware, version 4.19.0 or later.

Fixes

This product corrects an issue which system crashed due to hardware error.

HPE QLogic FastLinQ 10/25/50 GbE Multifunction Driver for VMware vSphere 8.0

Version: 2024.09.00 (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 CP0xxxxx.xml file.HPE recommends the firmware provided as below for use with these drivers,

- HPE QLogic FastLinQ Online Firmware Upgrade Utility for VMware, version 4.19.0 or later.

Fixes

This product corrects an issue which system crashed due to hardware error.

Supported Devices and Features

・HPE Ethernet 10Gb 2-port BaseT QL41132HLRJ Adapter

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

Version: 2024.09.00 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for VMware, version 1.35.0 or later, for use with this driver.

Fixes

・This product corrects an issue which fix TSO (TCP Segmentation Offload) issue when single segment is larger than pkt length.

・This product corrects an issue which PSOD while freeing DMA during 'esxcli qlfastlinq qcc' command execution.

HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 8.0

Version: 2024.09.00 (Recommended)

Important Note!

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for VMware, version 1.35.0 or later, for use with this driver.

Fixes

・This product corrects an issue which fix TSO (TCP Segmentation Offload) issue when single segment is larger than pkt length.

・This product corrects an issue which PSOD while freeing DMA during 'esxcli qlfastlinq qcc' command execution.

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

Version: 7.15.23-2 (Recommended)

Important Note!

Driver	Version
cnic	2.5.21l
bnx2	2.2.6i
bnx2x	1.715.24
bnx2i	2.11.30.3
bnx2fc	2.12.25

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64, version 2.35.0 or later, for use with these drivers.

Prerequisites

This product is required to unload inbox NIC driver before install OOB driver if user want OOB driver to take effect immediately. Otherwise, OOB driver will take effect after system reboot under inbox driver is loaded.

Enhancements

This product now supports Red Hat Enterprise Linux 8 update 10.

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

Version: 7.13.206.0 (C) (Recommended)

Important Note!

HPE recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.3.6.0 or later, for use with these drivers.

Enhancements

This product enhanced the compatibility with Windows firmware component 5.3.6.0.

Intel i350 Driver for Windows Server 2019

Version: 14.0.5.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port BaseT I350-T4 Adapter
- HPE Ethernet 1Gb 4-port BaseT I350-T4 OCP3 Adapter

Intel i350 Driver for Windows Server 2022

Version: 14.0.5.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port BaseT I350-T4 Adapter
- HPE Ethernet 1Gb 4-port BaseT I350-T4 OCP3 Adapter

Intel i40ea Driver for Windows Server 2019

Version: 1.19.164.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

- Intel X710-DA2 Ethernet 10Gb 2-port SFP+ OCP3 Adapter for HPE
- Intel X710-DA2 Ethernet 10Gb 2-port SFP+ Adapter for HPE
- Intel X710-DA2 Ethernet 10Gb 2-port SFP+ Adapter for HPE

Intel i40ea Driver for Windows Server 2022

Version: 1.19.165.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.2.0 or later, for use with this driver.

Enhancements

This product enhanced the compatibility with firmware of Fortville 9.5.

Supported Devices and Features

- Intel X710-DA2 Ethernet 10Gb 2-port SFP+ OCP3 Adapter for HPE
- Intel X710-DA2 Ethernet 10Gb 2-port SFP+ Adapter for HPE
- Intel X710-DA2 Ethernet 10Gb 2-port SFP+ Adapter for HPE

Intel ice Drivers for Red Hat Enterprise Linux 8

Version: 1.14.11-1 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Firmware Package For E810, version 4.50 or later for use with these drivers.

Fixes

This product fixes an issue where the unexpected FW logs appears during some special environments, such as tx_timeout or NVM update.

Enhancements

- This product now supports the Link Layer Discovery Protocol (LLDP) on the VF.
- This product now supports firmware logging via the debugfs.
- This product now supports Red Hat Enterprise Linux 8 update 10.
- This product now supports Red Hat Enterprise Linux 8 update 10.

Supported Devices and Features

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

Intel icea Driver for Microsoft Windows Server 2022

Version: 1.15.121.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Firmware Package for Columbiaville (FWPKG), version 4.50 or later, for use with this driver.

Fixes

- This product correct an issue which seeing warning message Event ID : 101 with ICEA module.
- This product correct an issue which E810 physical adapter does not display RDMA counters.

Enhancements

This product enhanced the compatibility with firmware of Columbiaville 4.5.

Supported Devices and Features

- 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: 1.15.121.0 (Recommended)

Important Note!

HPE recommends the firmware provided in Intel Firmware Package for Columbiaville (FWPKG), version

4.50 or later, for use with this driver.

Fixes

This product correct an issue which E810 physical adapter does not display RDMA counters.

Enhancements

This product enhanced the compatibility with firmware of Columbiaville 4.5.

Supported Devices and Features

- 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 icen Driver for VMware vSphere 7.0

Version: 2024.09.00 (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 CP0xxxxx.xml file.
- HPE recommends the firmware provided in Intel Firmware Package For E810 Ethernet Adapter, version 4.50 or later, for use with these drivers.

Fixes

This product fixed an issue which NIC port was in autonegotiation mode, many DOWN/UP sequences was applied by the link partner, and NIC port remained in DOWN state randomly.

Enhancements

This product added a warning message when RDMA critical error occurs.

Supported Devices and Features

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

Intel icen Driver for VMware vSphere 8.0

Version: 2024.09.00 (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 CP0xxxxx.xml file.
- HPE recommends the firmware provided in Intel Firmware Package For E810 Ethernet Adapter, version 4.50 or later, for use with these drivers.

Fixes

This product fixed an issue which NIC port was in autonegotiation mode, many DOWN/UP sequences was applied by the link partner, and NIC port remained in DOWN state randomly.

Enhancements

This product added a warning message when RDMA critical error occurs.

Supported Devices and Features

- 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-XXVDA4 Ethernet 10/25Gb 4-port SFP28 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 E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 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 2019

Version: 24.4.26429.0 (Recommended)

Fixes

This product fixed BSOD event not being detected when collecting mstdump on BUGCHECK while the device was already down.

Supported Devices and Features

- Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE

Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022

Version: 24.4.26429.0 (Recommended)

Fixes

This product fixed BSOD event not being detected when collecting mstdump on BUGCHECK while the device was already down.

Supported Devices and Features

- Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE

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net-mst kernel module driver component for VMware ESXi 7.0 Update 3

Version: 2023.09.20 (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 4.25.0.703 This version is supported on VMware ESXi 7.0 Update 3 only.

Supported Devices and Features

HPE Part Number	Device Name	PSID
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	HPE0000000036
P23666-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port MCX653106A-ECAT QSFP56 x16 Adapter	MT_0000000453
P25960-B21	HPE Ethernet 100Gb 2-Port QSFP56 MCX623106AS-CDAT Adapter	MT_0000000437
P31246-B21	HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter	MT_0000000591
P42041-B21	Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	MT_0000000551
P42044-B21	Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	MT_0000000575

Nvidia ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 "nmlx5_en" Driver Component for VMware ESXi 7.0 Update 3

Version: 2024.05.28 (Recommended)

Important Note!

Important: Version 4.22.73.1006 supports VMware ESXi 7.0 Update 3 only.Known Issues with driver version 4.22.73.1006:

- Out-of-buffer packets are not being counted as Rx drops.
- Due to hardware limitations, Model 1 Level 2 and Model 2 for Enhanced Network Stack (ENS) mode in vSphere 8.0 is not supported in ConnectX-5 and ConnectX-6 adapter cards.
- The driver version in iDRAC is not displayed correctly.
- Geneve options length support is limited to 56B. Received packets with options length bigger than 56B are dropped.
- A mismatch between the uplink and the VF MTU values may result in CQE with error.
- Enabling sriov_mc_isolation module parameter may result in vmknic and emulated NICs multicast and IPv6 traffic loss.
- RDMA is not supported in the Hypervisor with ENS (Enhanced Network Stack) model 2.
- 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.
- ECN (Explicit congestion notification) statistic counters accumulatorsPeriod and ecnMarkedRocePackets display wrong values and cannot be cleared.
- ECN tunable parameter initialAlphaValue for the Reaction Point protocol cannot be modified.
- Card's speed remains zero after port goes down and reboot is performed.
- RoCE traffic may fail after vMotion when using namespace.
- Legacy SR-IOV is not supported with Model 1.
- When in ENS mode, changing the scheduler to HCLK, may cause traffic loss.
- 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.
- 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 / ConnectX-5: up to 127

Fixes

- Performance issues were observed due to context switches over the hardware priority buffers that caused slower packet being sent when sending traffic with many different VLAN (CoS PCP/801.2p) priorities. To fix the issue, the driver provides a new module parameter trust_dscp_same_priority to map all DSCP priorities to the same traffic class to avoid such behavior.
- A specific steering rule creation issue when the teaming mode is on.
- Packets were dropped by ENS that were not set as MARK. Now MARK actions are available in both LAG and no LAG modes.

Enhancements

Supported Devices and Features

HPE Part Number	Device Name	PSID
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port 940QSFP56 x16 Adapter	HPE0000000036
P23666-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port MCX653106A-ECAT QSFP56 x16 Adapter	MT_0000000453
P25960-B21	HPE Ethernet 100Gb 2-Port QSFP56 MCX623106AS-CDAT Adapter	MT_0000000437
P31246-B21	HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter	MT_0000000591
P42041-B21	Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	MT_0000000551
P42044-B21	Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	MT_0000000575

HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 8

Version: 07.726.04.00 (Recommended)

Fixes

Fix an issue that kernel WARNING with call trace may be logged when server shut down/rebooted

Enhancements

- New OS support for RHEL8u9.

HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 7.0

Version: 2023.12.01 (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.

Enhancements

- New release for version 7.726.02.00.

HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0

Version: 2023.12.01 (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.

Enhancements

- New release for version 7.726.02.00.
- This new 7.26 release have not completed vSAN certification, please don't update for vSAN environment for now. Target to complete vSAN certification by end of February 2024.

HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller Driver for Microsoft Windows 2019 edition

Version: 7.726.1.0 (Recommended)

Enhancements

- New release for version 7.726.1.0.

HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p Gen10P and Gen11 controller driver for Microsoft Windows 2022 edition

Version: 7.726.1.0 (Recommended)

Enhancements

- New release for version 7.726.1.0.

HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 7.0 (Driver Component).

Version: 2024.10.01 (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, plus an HPE specific CPXXXX.xml file.
- Actual ESXi Version is 70.4672.0.104

Fixes

- Fixed an issue where a PSOD occurred during array delete operations.
- Fixed an issue where failed logical volumes take too long to be removed at the OS level.
- Fixed an issue where NVMe drives were not discovered after hot-plug operation.
- Fixed a potential data loss risk for SmartCache Logical Drives configured in WriteBack mode during shutdown.

HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component).

Version: 2024.10.01 (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, plus an HPE specific CPXXXX.xml file.
- Actual ESXi Version is 80.4672.0.104

Fixes

- Fixed an issue where a PSOD occurred during array delete operations.
- Fixed an issue where failed logical volumes take too long to be removed at the OS level.
- Fixed an issue where NVMe drives were not discovered after hot-plug operation.
- Fixed a potential data loss risk for SmartCache Logical Drives configured in WriteBack mode during shutdown.

HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit)

Version: 2.1.30-031 (Recommended)

Fixes

- Fixed an issue where the driver incorrectly handled multi-path failover.
- Fixed an issue where the driver could hang under heavy I/O load.

Supported Devices and Features

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

HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019 and Windows Server 2022

Version: 1010.108.0.1015 (Recommended)

Important Note!

- No Windows 2016 driver updates are available. Windows 2016 driver development has ended with version 1010.84.0.1012.
- Windows 2025 support is not yet available in this driver version. It will be included in the next release.

Fixes

- Fixed an issue with controllers having encrypted boot logical drives using Remote Key Management Mode.
- Fixed an issue with controllers having encrypted boot logical drives using Remote Key Management Mode.

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

Version: 14.4.313.0 (Recommended)

Important Note!

Release notes:Broadcom Release notes

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:http://www.hpe.com/storage/spock/

Enhancements

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

- 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 SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022

Version: 14.4.313.0 (Recommended)

Important Note!

Release notes:Broadcom Release notes

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:http://www.hpe.com/storage/spock/

Enhancements

The raw driver files can be obtained by extracting the Smart Component and then extracting the Emulex installer. Use this command: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¥win2022

Supported Devices and Features

- 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 SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

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HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019

Version: 9.4.10.20 (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/

Enhancements

Updated to version 9.4.10.20

Supported Devices and Features

- 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 SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

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HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022

Version: 9.4.10.20 (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/

Enhancements

Updated to version 9.4.10.20

Supported Devices and Features

- 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 SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

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Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters

Version: 14.4.329.9 (Recommended)

Important Note!

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:http://www.hpe.com/storage/spock/

Enhancements

Updated to version 14.4.329.9

Supported Devices and Features

- 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 SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

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Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters

Version: 10.02.12.01-k1 (Recommended)

Important Note!

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:http://www.hpe.com/storage/spock/

Enhancements

Supported Devices and Features

- 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 SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2016 and 2019

Version: 4.7.1.0 (E) (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

・Updated SBOM requirement

iLO 5 Automatic Server Recovery Driver for Microsoft Windows Server 2022

Version: 4.7.1.0 (F) (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

・Updated supported environments

iLO 5 Channel Interface Driver for Microsoft Windows Server 2016 and 2019

Version: 4.7.1.0 (E) (Optional)

Enhancements

・Updated SBOM requirement

iLO 5 Channel Interface Driver for Microsoft Windows Server 2022

Version: 4.7.1.0 (F) (Optional)

Enhancements

・Updated supported environments

Matrox G200eH3 Video Controller Driver for Microsoft Windows 64-bit

Version: 9.15.1.248 (F) (Optional)

Enhancements

・Updated supported environments

Matrox G200eH3 Video Controller Driver for Microsoft Windows 64-bit

Version: 9.15.1.268 (Optional)

Enhancements

・Added Supported Environments

・Added Supported Platforms

Broadcom Firmware Package for BCM5741x adapters

Version: 230.1.123.0 (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,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 230.0.162.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-230.0.132.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2024.09.00 or later

Fixes

- This product addresses an issue where getting Transceiver Temperature erroneous unit value.
- This product addresses an issue when NC-SI Query Pending NC PLDM Response is wrong when NIC does not have a pending PLDM request.
- The product addresses an issue where temperature error messages exceed critical values as seen in the Redfish Device Enablement (RDE) Ports schema when the LinkState is set to Disabled.

Enhancements

- This product enhances the Get Package Status command support.
- This product enhances to add a warning message when a non-supported dual-rate transceiver is used.
- This product enhances the Addition of SFF 8472 Transceiver Power Details to RDE Port Metrics.

Supported Devices and Features

Broadcom Firmware Package for BCM5750x adapters

Version: 230.1.123.0 (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,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 230.0.162.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-230.0.132.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2024.09.00 or later

Fixes

- This product addresses an issue where RDE Port LLDPReceive ManagmentAddressMAC returned empty string when it's not present.
- This product addresses an issue where Ethtool shows wrong module type when a port is in a certain breakout mode.
- This product addresses an issue where in low temperature test, BMC reading module temperature result is 0xff.
- This product addresses an issue where failure to set default values for firmware speed capabilities.
- This product enhances support for loopback port statistics via HWRM (Hardware Resource Manager).

- This product addresses an issue where flow control status in dmesg shows wrong TX and RX negotiated status.
- This product addresses an issue where fixed bnxtnvm to verify the VPD data before writing to the NVM.
- This product addresses an issue where ping failures between allmulticast enabled VFs.
- This product addresses where the RoCE protocol's read_context function in the HWRM (Hardware Resource Manager) component was failing when dealing with the Completion Queue.

Enhancements

- This product enhances the core-dump missing a few entries.
- This product enhances the Hardware CoS queue re-configuration between ifdown/ifup.
- This product enhances to add support for enable/disable RDMA to NCSI command NcsiCmd_Set_Partition_Cfg_cmd function.
- This product enhances to add support store PLDM Monitoring and Control events before BMC's SetEventReceiver command.
- This product addresses an issue where Tx timeout detected in dmesg while running L2 traffic with 9600 MTU.

Supported Devices and Features

- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE
- Broadcom BCM57504 Ethernet 10/25Gb 4-port SFP28 OCP3 Adapter for HPE

Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64

Version: 2.38.0 (Recommended)

Important Note!

HPE recommends HPE Broadcom tg3 Ethernet Drivers, versions 3.139m or later, for use with this firmware.

Prerequisites

- Follow the command line to bring up ethernet device:
- Follow the command line to bring up ethernet device:# ifup ethX or ifconfig ethX up or wicked ifup ethXIf local system doesn't configure any network interface for the adapter that are necessary then to create the network config file to bring up interface.
- For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/
- For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/

Fixes

- This product addresses a problem that might cause a BSOD when trying to reboot the system from operating Windows systems due to NIC internal software mutex problem.
- This product addresses an issue where a random missing DHCP IP address occurs when the iLO shared NIC port is used, due to NIC internal software mutex problem.
- This product addresses an issue that might cause the POST to get stuck due to NIC internal software mutex problem.

Supported Devices and Features

- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE
- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE

Broadcom NX1 Online Firmware Upgrade Utility for VMware

Version: 1.39.0 (Recommended)

Important Note!

This software package contains combo image v20.30.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
BCM 5719 1GbE 4p BASE-T Adptr	1.55	21.6.4	1.5.55	21.6.74
BCM 5719 1GbE 4p BASE-T OCP3 Adptr	1.55	21.6.4	1.5.55	21.6.74
BCM 5720 1GbE 2p BASE-T LOM Adptr	1.43	21.6.4	1.5.55	21.6.74

Prerequisites

This product requires the appropriate driver for your device and operating system to be installed before the firmware is updated.

Fixes

- This product addresses a problem that might cause a BSOD when trying to reboot the system from operating Windows systems due to NIC internal software mutex problem.
- This product addresses an issue where a random missing DHCP IP address occurs when the iLO shared NIC port is used, due to NIC internal software mutex problem.
- This product addresses an issue that might cause the POST to get stuck due to NIC internal software mutex problem.

Supported Devices and Features

- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE

Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.4.2.0 (Recommended)

Important Note!

This software package contains combo image v20.30.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
BCM 5719 1GbE 4p BASE-T Adptr	1.55	21.6.4	1.5.55	21.6.74
BCM 5719 1GbE 4p BASE-T OCP3 Adptr	1.55	21.6.4	1.5.55	21.6.74
BCM 5720 1GbE 2p BASE-T LOM Adptr	1.43	21.6.4	1.5.55	21.6.74

Prerequisites

This product requires the appropriate driver for your device and operating system to be installed before the firmware is updated.

Fixes

- This product addresses a problem that might cause a BSOD when trying to reboot the system from operating Windows systems due to NIC internal software mutex problem.
- This product addresses an issue where a random missing DHCP IP address occurs when the iLO shared NIC port is used, due to NIC internal software mutex problem.
- This product addresses an issue that might cause the POST to get stuck due to NIC internal software mutex problem.

Supported Devices and Features

- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE
- Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE
- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE

HPE Broadcom NetXtreme-E Firmware Package for BCM5741x adapters

Version: 230.1.123000 (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,

- Broadcom NetXtreme-E Driver for Microsoft Windows Server, version 230.0.162.0 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-230.0.132.0 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2024.09.00 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2024.09.00 or later

Fixes

- This product addresses an issue where getting Transceiver Temperature erroneous unit value.
- This product addresses an issue when NC-SI Query Pending NC PLDM Response is wrong when NIC does not have a pending PLDM request.
- This product addresses an issue when NC-SI Query Pending NC PLDM Response is wrong when NIC does not have a pending PLDM request.

Enhancements

- This product enhances the Get Package Status command support.
- This product enhances to add a warning message when a non-supported dual-rate transceiver is used.
- This product enhances the Addition of SFF 8472 Transceiver Power Details to RDE Port Metrics.
- This product enhances the Addition of SFF 8472 Transceiver Power Details to RDE Port Metrics.

HPE Broadcom NX1 Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen10 server series Only.

Version: 2.38.0 (Recommended)

Important Note!

・This component ONLY support HPE ProLiant Gen10 server series.

HPE recommends HPE Broadcom tg3 Ethernet Drivers, versions 3.139m or later, for use with this firmware.

Prerequisites

・Follow the command line to bring up ethernet device:

・Follow the command line to bring up ethernet device:If local system doesn't configure any network interface for the adapter that are necessary then to create the network config file to bring up interface.

・For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/

・For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/

Enhancements

This product enhances NVRAM configuration during the firmware upgrade.

HPE Broadcom NX1 Online Firmware Upgrade Utility VMware for HPE ProLiant Gen10 server series Only.

Version: 1.39.0 (Recommended)

Important Note!

・This component ONLY support HPE ProLiant Gen10 server series.

・This software package contains combo image v20.30.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
HPE Ethernet 1Gb 4-port 331i Adapter (22BE) HPE Ethernet 1Gb 4-port 331FLR Adapter HPE Ethernet 1Gb 4-port 331T Adapter	1.55	21.6.4	1.5.55	21.6.74
HPE Ethernet 1Gb 2-port 332i Adapter (22E8) HPE Ethernet 1Gb 2-port 332T Adapter	1.43	21.6.4	1.5.55	21.6.74

・For previous firmware versions prior to v20.19.51, please refer to the link :
https://www.hpe.com/global/swpublishing/MTX-4f19da2bceff4b73a31531d71e

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Enhancements

This product enhances NVRAM configuration during the firmware upgrade.

HPE Broadcom NX1 Online Firmware Upgrade Utility Windows Server x64 Editions for HPE ProLiant Gen10 server series Only

Version: 5.4.2.0 (Recommended)

Important Note!

・This component ONLY support HPE ProLiant Gen10 server series.

This software package contains combo image v20.30.41 with the following firmware versions:

NIC	Boot Code Version	PXE Version	NCSI Version	UEFI Version
HPE Ethernet 1Gb 4-port 331i Adapter (22BE) HPE Ethernet 1Gb 4-port 331FLR Adapter HPE Ethernet 1Gb 4-port 331T Adapter	1.55	21.6.4	1.5.55	21.6.74
HPE Ethernet 1Gb 2-port 332i Adapter (22E8) HPE Ethernet 1Gb 2-port 332T Adapter	1.43	21.6.4	1.5.55	21.6.74

For previous firmware versions prior to v20.19.51, please refer to the link :
https://www.hpe.com/global/swpublishing/MTX-edfaebf19e1b4179bb5e792e73"

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Enhancements

- This product enhances to add an optional param for CRC (Cyclic Redundancy Check) command to skip the auto fix.
- This product enhances NVRAM configuration during the firmware upgrade.

HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions for HPE ProLiant Gen9 and Gen10 server series Only.

Version: 5.4.2.0 (Recommended)

Important Note!

- This software package contains the following firmware versions for the below listed supported network adapters:
- 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 361i Adapter	8000119A	1.3612.0	N/A
HPE Ethernet 1Gb 2-port 361T Adapter	80001147	1.3612.0	N/A
HPE Ethernet 1Gb 4-port 366FLR Adapter	800011A1	1.3612.0	N/A
HPE Ethernet 1Gb 4-port 366T Adapter	800011F1	1.3612.0	N/A
HPE Ethernet 1Gb 2-port 368i Adapter	80003AC5	1.3612.0	N/A
HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter	80003AC2	1.3612.0	N/A
HPE Ethernet 1Gb 4-port 369i Adapter	80003AC3	1.3612.0	N/A
HPE Ethernet 10Gb 2-port 568i Adapter	80003AC4	1.3612.0	N/A
HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter	80003AC2	1.3612.0	N/A

HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter	80003AC2	1.3612.0	N/A
HPE Ethernet 10Gb 2-port 563i Adapter	800035C0	1.1375.0	N/A
HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	8000F231	1.3612.0	11.1.7
HPE Ethernet 10Gb 2-port 562FLR-T Adapter	800016F1	1.3612.0	10.55.3
HPE Ethernet 10Gb 2-port 562SFP+ Adapter	8000F232	1.3612.0	11.1.7
HPE Ethernet 10Gb 2-port 562T Adapter	800016EF	1.3612.0	10.55.3

- The combo image v1.3612.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.54, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.8.52, 10GbE - v8.2.46, 40GbE - v5.0.04
- Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM version.
- This software package no longer contains Firmware for the below listed supported network adapters:
- The latest firmware version of above adapters, please refer to the link : https://support.hpe.com/connect/s/softwaredetails?language=en_US&softwareId=MTX_d7826493bb5a4aa69b4aa9a1d5&tab=releaseNotes

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Enhancements

This product enhanced the compatibility with the latest drivers.

HPE Intel Online Firmware Upgrade Utility Linux x86_64 for HPE ProLiant Gen9 and Gen10 server series Only.

Version: 1.31.0 (Recommended)

Important Note!

- This component ONLY support HPE ProLiant Gen9 and Gen10 server series.
- HPE Intel igb Drivers for Linux, versions 6.16.9-1 or later
- HPE Intel ixgbe Drivers for Linux , versions 5.20.9-1 or later
- HPE Intel i40e Drivers for Linux, versions 2.25.9-1 or later

Prerequisites

- Follow the command line to bring up ethernet device:
- Follow the command line to bring up ethernet device:If local system doesn't configure any network interface for the adapter that are necessary then to create the network config file to bring up interface.
- For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/

Enhancements

This product enhanced the compatibility with the latest drivers.

HPE Intel Online Firmware Upgrade Utility VMware for HPE ProLiant Gen9 and Gen10 server series Only.

Version: 3.24.0 (Recommended)

Important Note!

- This software package contains the following firmware versions for the below listed supported network adapters:
- 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 361i Adapter	8000119A	1.3612.0	N/A
HPE Ethernet 1Gb 2-port 361T Adapter	80001147	1.3612.0	N/A
HPE Ethernet 1Gb 4-port 366FLR Adapter	800011A1	1.3612.0	N/A
HPE Ethernet 1Gb 4-port 366T Adapter	800011F1	1.3612.0	N/A
HPE Ethernet 1Gb 2-port 368i Adapter	80003AC5	1.3612.0	N/A
HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter	80003AC2	1.3612.0	N/A
HPE Ethernet 1Gb 4-port 369i Adapter	80003AC3	1.3612.0	N/A
HPE Ethernet 10Gb 2-port 568i Adapter	80003AC4	1.3612.0	N/A
HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter	80003AC2	1.3612.0	N/A
HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter	80003AC2	1.3612.0	N/A
HPE Ethernet 10Gb 2-port 563i Adapter	800035C0	1.1375.0	N/A
HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	8000F231	1.3612.0	11.1.7
HPE Ethernet 10Gb 2-port 562FLR-T Adapter	800016F1	1.3612.0	10.55.3
HPE Ethernet 10Gb 2-port 562SFP+ Adapter	8000F232	1.3612.0	11.1.7
HPE Ethernet 10Gb 2-port 562T Adapter	800016EF	1.3612.0	10.55.3

- The combo image v1.3612.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.54, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.8.52, 10GbE - v8.2.46, 40GbE - v5.0.04
- Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM version.
-
- This software package no longer contains Firmware for the below listed supported network adapters:
- The latest firmware version of above adapters, please refer to the link : https://support.hpe.com/connect/s/softwaredetails?language=en_US&softwareId=MTX_d7826493bb5a4aa69b4aa9a1d5&tab=releaseNotes
- The latest firmware version of above adapters, please refer to the link : https://support.hpe.com/connect/s/softwaredetails?language=en_US&softwareId=MTX_d7826493bb5a4aa69b4aa9a1d5&tab=releaseNotes

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Enhancements

This product enhanced the compatibility with the latest drivers.

HPE QLogic FastLinQ Firmware Package for Arrowhead adapters

Version: 8.65.14 (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 8.74.4.0-8 or later
- HPE QLogic FastLinQ 10/25/50 GbE Drivers for Microsoft Windows Server x64 Editions, version 8.72.15.0 or later
- HPE QLogic FastLinQ 10/25/50 GbE Multifunction Drivers for VMware, version 2024.09.00 or later

This software package contains combo image v8.65.14. This combo image includes: Boot Code (MFW): 8.65.5.0, PXE:2.0.19, and UEFI: 4.1.13.1.

Enhancements

This product enhanced the compatibility with drivers.

HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64

Version: 2.35.0 (Recommended)

Important Note!

HPE recommends HPE QLogic NX2 10/20GbE Multifunction Drivers for Linux, versions 7.15.23-2 or later, for use with the firmware in this package.

Prerequisites

- For example in sles15sp1, To create ifcfg-ethX files under /etc/sysconfig/network/.

Enhancements

This product enhanced the compatibility with drivers.

HPE QLogic NX2 Online Firmware Upgrade Utility for VMware

Version: 1.35.0 (Recommended)

Important Note!

This software package contains combo image v7.19.27 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 HPE Ethernet 10Gb 2-port 530T	7.16.15	7.14.13	8.9.3	n/a	n/a	7.14.4	7.12.25

Adapter							
HPE Ethernet 10Gb 2-port 533FLR-T Adapter	7.16.15	7.14.13	8.9.3	7.14.0	7.14.3	7.14.4	7.12.25

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Enhancements

This product enhanced the compatibility with drivers.

HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.3.7.0 (Recommended)

Important Note!

- 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 v7.19.27 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 HPE Ethernet 10Gb 2-port 530T Adapter	7.16.15	7.14.13	8.9.3	n/a	n/a	7.14.4	7.12.25
HPE Ethernet 10Gb 2-port 533FLR-T Adapter	7.16.15	7.14.13	8.9.3	7.14.0	7.14.3	7.14.4	7.12.25

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 enhanced the compatibility with drivers.

Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter

Version: 4.50 (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 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.14.11-1 or later
- Intel icen Driver for VMware, version 2024.09.00 or later
- Intel icen Driver for VMware, version 2024.09.00 or later This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Fixes

- This product addressed an issue where Network Interface initialization failure under OS or Firmware rollback may be seen with LLDP enabled.
- This product addressed an issue where RDE PermanentMACAddress changes simultaneously when send PATCH request for MACAddress property with Firmware 4.30.

Enhancements

This product introduced power restrictions of 4.5 watts per port.

Supported Devices and Features

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE

Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter

Version: 4.50 (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 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.14.11-1 or later
- Intel icen Driver for VMware, version 2024.09.00 or later
- This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Fixes

- This product addressed an issue where Network Interface initialization failure under OS or Firmware rollback may be seen with LLDP enabled.
- This product addressed an issue where RDE PermanentMACAddress changes simultaneously when send PATCH request for MACAddress property with Firmware 4.30.

Enhancements

This product introduced power restrictions of 4.5 watts per port.

Supported Devices and Features

- 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: 4.50 (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 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.14.11-1 or later
- Intel icen Driver for VMware, version 2024.09.00 or later
- Intel icen Driver for VMware, version 2024.09.00 or later This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Fixes

- This product addressed an issue where Network Interface initialization failure under OS or Firmware rollback may be seen with LLDP enabled.
- This product addressed an issue where RDE PermanentMACAddress changes simultaneously when send PATCH request for MACAddress property with Firmware 4.30.

Enhancements

This product introduced power restrictions of 4.5 watts per port.

Supported Devices and Features

- 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: 4.50 (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 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.14.11-1 or later
- Intel icen Driver for VMware, version 2024.09.00 or later
- Intel icen Driver for VMware, version 2024.09.00 or later This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Fixes

- This product addressed an issue where Network Interface initialization failure under OS or Firmware rollback may be seen with LLDP enabled.
- This product addressed an issue where RDE PermanentMACAddress changes simultaneously when send PATCH request for MACAddress property with Firmware 4.30.

Enhancements

This product introduced power restrictions of 4.5 watts per port.

Supported Devices and Features

- 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: 4.50 (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 1.15.121.0 or later
- Intel ice Drivers for Linux, version 1.14.11-1 or later
- Intel icen Driver for VMware, version 2024.09.00 or later
- Intel icen Driver for VMware, version 2024.09.00 or later This FW version does not support Port.Reset RDE metrics. This product will be enhance to improve the functions in the future release

Fixes

- This product addressed an issue where Network Interface initialization failure under OS or Firmware rollback may be seen with LLDP enabled.
- This product addressed an issue where RDE PermanentMACAddress changes simultaneously when send PATCH request for MACAddress property with Firmware 4.30.
- This product addressed an issue where data is interchanged of Port 1 and Port 4 when running a Redfish GET Operation under the NetworkAdapter, NetworkDeviceFunctions and Port Schema with "Metrics" properties.

Enhancements

This product introduced power restrictions of 4.5 watts per port.

Supported Devices and Features

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

Intel Online Firmware Upgrade Utility for Linux x86_64

Version: 1.31.0 (Recommended)

Prerequisites

This product requires the appropriate driver for your device and operating system be installed before firmware is updated.

Enhancements

This product enhanced the compatibility with the latest drivers.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port BaseT I350-T4 Adapter
- HPE Ethernet 1Gb 4-port BaseT I350-T4 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 OCP3 Adapter

Intel Online Firmware Upgrade Utility for VMware

Version: 3.24.0 (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	8000F134	1.3602.0	9.5
HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	8000F13D	1.3602.0	9.5
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	800011F8	1.3602.0	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter	80001234	1.3602.0	N/A

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 enhanced the compatibility with the latest drivers.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port BaseT I350-T4 Adapter
- HPE Ethernet 1Gb 4-port BaseT I350-T4 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 OCP3 Adapter

Intel Online Firmware Upgrade Utility for Windows Server x64 Editions

Version: 5.4.2.0 (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	8000F134	1.3602.0	9.5
HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter	8000F13D	1.3602.0	9.5
Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter	800011F8	1.3602.0	N/A
Intel I350-T4 Ethernet 1Gb 4-port BASE-T	80001234	1.3602.0	N/A

OCP3 Adapter			

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 enhanced the compatibility with the latest drivers.

Supported Devices and Features

- HPE Ethernet 1Gb 4-port BaseT I350-T4 Adapter
- HPE Ethernet 1Gb 4-port BaseT I350-T4 OCP3 Adapter
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 Adapter
- HPE Ethernet 10Gb 2-port SFP+ X710-DA2 OCP3 Adapter

Mellanox Firmware Package (FWPKG) - Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE

Version: 26.41.1000 (Recommended)

Important Note!

Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to http://www.nvidia.com/, you are then leaving HPE.com. Please follow the instructions on http://www.nvidia.com/ to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HPE is not responsible for your use of any software or documents that you download from http://www.nvidia.com/, except that HPE may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HPE product or solution. A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx6lxfirmwarev26411000/known+issues

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

- Traffic failure occurred when modifying the VIRTIO_NET_F_MRG_RXBUF bit for the VDPA device during traffic.
- The second mkey index returned even if it was not set in the creation of the virtio q when querying virtio q object.
- Traffic loss occurred after performing Live Migration with virtio vq "frozen-ready" feature.

Note: When the traffic load is high, and the vq frozen-ready cap is on, traffic loss might still be experienced after modifying the vq from suspend to ready mode.

Enhancements

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.New features and changes included in version 26.41.1000:

- Implemented Deterministic Random Bit Generator (DRBG) algorithm on top of firmware TRNG (the source for raw data input) in accordance with NIST SP800-90A.
- Added support for vDPA virtual queue state change from suspend to ready, and discrete mkey for descriptor. vDPA Live Migration uses these two new capabilities to reduce downtime since vq can go back to ready state for traffic and descriptor-only-mkey can help reduce mkey mapping time.
- Added a new NVConfig option to copy AR bit from the BTH header to the DHCP header.
- Added the option to provide field's offset and length in Steering add_action option.
- Added support for steering match on packet l4_type through FTG/FTE.
- Extended Flex Parser merge mechanism to support hardware capabilities.
- Enabled the option to disable the native parser when the parse graph node is configured with the same conditions.
- Added support for father/son headers parsing.
- Added support for tunnel_offload in LRO.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P42044-B21	Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	MT_0000000575

Mellanox Firmware Package (FWPKG) - Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

Version: 26.41.1000 (Recommended)

Important Note!

Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to http://www.nvidia.com/, you are then leaving HPE.com. Please follow the instructions on http://www.nvidia.com/ to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HPE is not responsible for your use of any software or documents that you download from http://www.nvidia.com/, except that HPE may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HPE product or solution. A list of known issues with this release is available at:

https://docs.nvidia.com/networking/display/connectx6lxfirmwarev26411000/known+issues

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

- Traffic failure occurred when modifying the VIRTIO_NET_F_MRG_RXBUF bit for the VDPA device during traffic.
- The second mkey index returned even if it was not set in the creation of the virtio q when querying virtio q object.
- Traffic loss occurred after performing Live Migration with virtio vq "frozen-ready" feature.

Note: When the traffic load is high, and the vq frozen-ready cap is on, traffic loss might still be experienced after modifying the vq from suspend to ready mode.

Enhancements

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.New features and changes included in version 26.41.1000:

- Implemented Deterministic Random Bit Generator (DRBG) algorithm on top of firmware TRNG (the source for raw data input) in accordance with NIST SP800-90A.
- Added support for vDPA virtual queue state change from suspend to ready, and discrete mkey for descriptor. vDPA Live Migration uses these two new capabilities to reduce downtime since vq can go back to ready state for traffic and descriptor-only-mkey can help reduce mkey mapping time.
- Added a new NVConfig option to copy AR bit from the BTH header to the DHCP header.
- Added the option to provide field's offset and length in Steering add_action option.
- Added support for steering match on packet l4_type through FTG/FTE.
- Extended Flex Parser merge mechanism to support hardware capabilities.
- Enabled the option to disable the native parser when the parse graph node is configured with the same conditions.
- Added support for father/son headers parsing.
- Added support for tunnel_offload in LRO.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P42041-B21	Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE	MT_0000000551

Mellanox Firmware Package (FWPKG) for Mellanox MCX562A-ACAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

Version: 16.35.3502 (Recommended)

Important Note!

Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to http://www.nvidia.com/, you are then leaving HPE.com. Please follow the instructions on http://www.nvidia.com/ to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HPE is not responsible for your use of any software or documents that you download from http://www.nvidia.com/, except that HPE may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HPE product or solution. A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx5firmwarev16353502lts/known+issues

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 16.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

No fixes are included in version 16.35.3502.

Enhancements

Important:

Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.

Important:

Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.New features and changes included in version 16.35.3502:

- Modified the TCP IPv4 flows so that the steering TIR rx_hash_symmetric field is now valid only when both the SRC and DST fields are not set to zero.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P42044-B21	Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE	MT_0000000575

Mellanox Firmware Package (FWPKG) for HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT Adapter : HPE part numbers P31246-B21 and P31246-H21

Version: 16.35.4030 (Recommended)

Important Note!

Choose the appropriate firmware file format based on your preference and what suits your environment.Disclaimer: Certain software including drivers and documents may be available from NVIDIA. If you select a URL that directs you to http://www.nvidia.com/, you are then leaving HPE.com. Please follow the instructions on http://www.nvidia.com/ to download NVIDIA software or documentation. When downloading the NVIDIA software or documentation, you may be subject to NVIDIA terms and conditions, including licensing terms, if any, provided on its website or otherwise. HPE is not responsible for your use of any software or documents that you download from http://www.nvidia.com/, except that HPE may provide a limited warranty for NVIDIA software in accordance with the terms and conditions of your purchase of the HPE product or solution. A list of known issues with this release is available at: https://docs.nvidia.com/networking/display/connectx5firmwarev16354030lts/known+issues

Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 16.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

- VF FLR would get stuck when its PF triggered the FLR as well.
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).

Enhancements

Important:

Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.

Important:

Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.New features and changes included in version 16.35.4030:

- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox Ethernet Only Adapters	Firmware Version	PSID
HPE Ethernet 100Gb 1-port QSFP28 PCIe3 x16 MCX515A-CCAT	16.35.4030	MT_0000000591

Adapter(P31246-B21 and P31246-H21)		

Mellanox Firmware Package (FWPKG) for HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter : HPE part numbers P23666-B21 and P23666-H21

Version: 20.41.1000 (Recommended)

Important Note!

Choose the appropriate firmware file format based on your preference and what suits your environment.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
200GbE/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	200GbE/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

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Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 20.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

No fixes are included in version 20.41.1000.

Enhancements

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.New features and changes included in version 20.41.1000:

- Added support for steering match on packet l4_type through FTG/FTE.

Supported Devices and Features

This software package contains the following firmware versions:

Mellanox InfiniBand Adapter	Firmware Version	PSID
HPE InfiniBand HDR/Ethernet 200Gb 2-port QSFP56 PCIe4 x16 MCX653106A-HDAT Adapter(P31324-B21 and P31324-H21)	20.41.1000	MT_0000000594

Mellanox Firmware Package (FWPKG) for Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE

Version: 22.41.1000 (Recommended)

Important Note!

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Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 22.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

- GTP length field was automatically modified at the TX side when an incorrect or invalid length was detected.
- Switch port would go down due to MC packets mirrored back to the switch when in promiscuous mode.
- Traffic failure occurred when modifying the VIRTIO_NET_F_MRG_RXBUF bit for the VDPA device during traffic.
- The second mkey index returned even if it was not set in the creation of the virtio q when querying virtio q object.

・Traffic loss occurred after performing Live Migration with virtio vq "frozen-ready" feature.

Note: When the traffic load is high, and the vq frozen-ready cap is on, traffic loss might still be experienced after modifying the vq from suspend to ready mode.

Enhancements

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.New features and changes included in version 22.41.1000:

・The new unified_fdb subdomain simplifies the FDB model by eliminating the need to duplicate rules for RX and TX tables. This domain is directionless, meaning no RX/TX specific actions are allowed. Firmware now handles packet transitions IN and OUT of the unified domain, allowing for a more streamlined packet flow management. Software can now transition between unified_fdb and FDB_RX/FDB_TX domains as long as the packet maintains the same direction, without the risk of dropping the packet when crossing between RX and TX.

・Implemented Deterministic Random Bit Generator (DRBG) algorithm on top of firmware TRNG (the source for raw data input) in accordance with NIST SP800-90A.

・Added support for vDPA virtual queue state change from suspend to ready, and discrete mkey for descriptor. vDPA Live Migration uses these two new capabilities to reduce downtime since vq can go back to ready state for traffic and descriptor-only-mkey can help reduce mkey mapping time.

・Added the ability to generate up to 2^30 STE objects through the general object creation command.

・Added a new NVConfig option to copy AR bit from the BTH header to the DHCP header.

・Added the option to provide field's offset and length in Steering add_action option.

・Added support for steering match on packet l4_type through FTG/FTE.

・Extended Flex Parser merge mechanism to support hardware capabilities.

・Enabled the option to disable the native parser when the parse graph node is configured with the same conditions.

・Added support for father/son headers parsing.

・Added support for tunnel_offload in LRO.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P25960-B21	Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE	MT_0000000437

Mellanox Firmware Package(FWPKG) for HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter

Version: 16.35.3502 (Recommended)

Important Note!

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Prerequisites

FWPKG will work only if the firmware version flashed on the adapter is 16.27.1016 or later and iLO5 firmware version must be 2.30 or higher.

Fixes

No fixes are included in version 16.35.3502.

Enhancements

Important :

Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.

- Modified the TCP IPv4 flows so that the steering TIR rx_hash_symmetric field is now valid only when both the SRC and DST fields are not set to zero.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
P13188-B21	HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT Adapter	MT_0000000416

Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox Ethernet only adapters

Version: 1.0.8 (Recommended)

Important Note!

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adpaters, 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-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 (or later) respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

- Firmware got into an unresponsive state and caused unexpected behavior when connecting an optical transceiver that support RxLOS and the remote side port was down.
- The system could not create more than 128K QPs.
- On rare occasions, the system got into an unresponsive state when a peer port went down while using an Optical module.
- Packet Pacing rate was used if asymmetric VFs was enabled.
- Incorrect RNR timeout when trying to set it during the rts2rts_qp transition.
- Issue with RSS on IPSec flows in ConnectX-4 Lx led to performance degradation. In this scenario, the SPI optimization caused packets from a given host to hash to the same CPU core. The fix was to ignore SPI optimization according to l4_type in ConnectX-4 Lx adapter cards.
- The GetInventory NC-SI command reported leading 0xf in firmware version when it started with 0.

No fixes are included in firmware version 16.35.3502.

Enhancements

- 817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)
- 817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)
- Added 3 new assert filters (Health buffer, NVlog, FW trace). The assert will be exposed now if its severity level is equal to or above the new filter.
- Enabled Rate Limit per VM instead of VM-TC. This capability is implemented by adding support to a new Scheduling element type: rate limit elements that will connect to the rate_limit and will share its rate limit.
- Added support for asymmetrical VFs per PF. To enable it:PF_NUM_OF_VF_VALID must be true, and PF_NUM_OF_VF to a non-zero value.
- Limited the external loopback speed to the used module's capabilities.
- Improved linkup time when using the fast linkup capability.
- Added support for the slow_restart and slow_restart_idle parameters to enable Zero Touch RoCE capability.
- Modified the TCP IPv4 flows so that the steering TIR rx_hash_symmetric field is now valid only when both the SRC and DST fields are not set to zero.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034

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: 1.0.7 (Recommended)

Fixes

Fixes 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.
- Fixed an issue that caused PortCounters.PortRcvErr / PPCNT.infiniband_counters.PortRcvErr not to report port icrc errors.
- VF FLR would get stuck when its PF triggered the FLR as well.
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).

Enhancements

- 872726-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

Important :

Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.

- Increased the maximum XRQ number to 512.
- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

Supported Devices and Features

HPE Part Number	Device Name	PSID
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009

Online Firmware Upgrade Utility (ESXi 7.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 7.0

Version: 1.0.8 (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
200GbE/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	200GbE/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 20.32.1010. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

No fixes are included in version 20.41.1000.

Enhancements

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.New features and changes included in version 20.41.1000:

・Added support for steering match on packet l4_type through FTG/FTE.

Supported Devices and Features

HPE Part Number	Device Name	PSID
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 x16 MCX653106A-ECAT Adapter	HPE0000000036

Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox Ethernet only adapters

Version: 1.0.4 (Recommended)

Important Note!

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adpaters, 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-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 (or later) respectively. Thermal sensor reporting on the adapter will not be

functional with older versions of iLO5 firmware.

Fixes

- Firmware got into an unresponsive state and caused unexpected behavior when connecting an optical transceiver that support RxLOS and the remote side port was down.
- The system could not create more than 128K QPs.
- On rare occasions, the system got into an unresponsive state when a peer port went down while using an Optical module.
- Packet Pacing rate was used if asymmetric VFs was enabled.
- Incorrect RNR timeout when trying to set it during the rts2rts_qp transition.
- Issue with RSS on IPSec flows in ConnectX-4 Lx led to performance degradation. In this scenario, the SPI optimization caused packets from a given host to hash to the same CPU core. The fix was to ignore SPI optimization according to l4_type in ConnectX-4 Lx adapter cards.
- The GetInventory NC-SI command reported leading 0xf in firmware version when it started with 0.

No fixes are included in firmware version 16.35.3502.

Enhancements

- 817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)
- 817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)
- Added 3 new assert filters (Health buffer, NVlog, FW trace). The assert will be exposed now if its severity level is equal to or above the new filter.
- Enabled Rate Limit per VM instead of VM-TC. This capability is implemented by adding support to a new Scheduling element type: rate limit elements that will connect to the rate_limit and will share its rate limit.
- Added support for asymmetrical VFs per PF. To enable it:PF_NUM_OF_VF_VALID must be true, and PF_NUM_OF_VF to a non-zero value.
- Limited the external loopback speed to the used module's capabilities.
- Improved linkup time when using the fast linkup capability.
- Added support for the slow_restart and slow_restart_idle parameters to enable Zero Touch RoCE capability.
- Modified the TCP IPv4 flows so that the steering TIR rx_hash_symmetric field is now valid only when both the SRC and DST fields are not set to zero.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034

Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on VMware ESXi 8.0

Version: 1.0.3 (Recommended)

Fixes

Fixes 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.
- Fixed an issue that caused PortCounters.PortRcvErr / PPCNT.infiniband_counters.PortRcvErr not to report port icrc errors.
- VF FLR would get stuck when its PF triggered the FLR as well.
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).

Enhancements

- 872726-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

Important :

Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.

- Increased the maximum XRQ number to 512.
- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

Supported Devices and Features

HPE Part Number	Device Name	PSID
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009

Online Firmware Upgrade Utility (ESXi 8.0) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on VMware ESXi 8.0

Version: 1.0.4 (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
200GbE/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	200GbE/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 20.32.1010. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

No fixes are included in version 20.41.1000.

Enhancements

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.New features and changes included in version 20.41.1000:

・Added support for steering match on packet l4_type through FTG/FTE.

Supported Devices and Features

HPE Part Number	Device Name	PSID
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 x16 MCX653106A-ECAT Adapter	HPE0000000036

Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox Ethernet only adapters

Version: 1.0.21 (Recommended)

Important Note!

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adpaters, 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-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 (or later) respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

- Firmware got into an unresponsive state and caused unexpected behavior when connecting an optical transceiver that support RxLOS and the remote side port was down.
- The system could not create more than 128K QPs.
- On rare occasions, the system got into an unresponsive state when a peer port went down while using an Optical module.
- Packet Pacing rate was used if asymmetric VFs was enabled.
- Incorrect RNR timeout when trying to set it during the rts2rts_qp transition.
- Issue with RSS on IPSec flows in ConnectX-4 Lx led to performance degradation. In this scenario, the SPI optimization caused packets from a given host to hash to the same CPU core. The fix was to ignore SPI optimization according to l4_type in ConnectX-4 Lx adapter cards.
- The GetInventory NC-SI command reported leading 0xf in firmware version when it started with 0.

No fixes are included in firmware version 16.35.3502.

Enhancements

- 817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)
- 817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)
- Added 3 new assert filters (Health buffer, NVlog, FW trace). The assert will be exposed now if its severity level is equal to or above the new filter.
- Enabled Rate Limit per VM instead of VM-TC. This capability is implemented by adding support to a new Scheduling element type: rate limit elements that will connect to the rate_limit and will share its rate limit.
- Added support for asymmetrical VFs per PF. To enable it:PF_NUM_OF_VF_VALID must be true, and PF_NUM_OF_VF to a non-zero value.
- Limited the external loopback speed to the used module's capabilities.
- Improved linkup time when using the fast linkup capability.
- Added support for the slow_restart and slow_restart_idle parameters to enable Zero Touch RoCE capability.
- Modified the TCP IPv4 flows so that the steering TIR rx_hash_symmetric field is now valid only when both the SRC and DST fields are not set to zero.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034

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: 1.0.16 (Recommended)

Fixes

Fixes 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.
- Fixed an issue that caused PortCounters.PortRcvErr / PPCNT.infiniband_counters.PortRcvErr not to report port icrc errors.
- VF FLR would get stuck when its PF triggered the FLR as well.
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).

Enhancements

- 872726-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

Important :

Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.

- Increased the maximum XRQ number to 512.
- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

Supported Devices and Features

HPE Part Number	Device Name	PSID
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009

Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on Linux x86_64 platform

Version: 1.0.14 (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
200GbE/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	200GbE/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 20.32.1010. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

No fixes are included in version 20.41.1000.

Enhancements

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.New features and changes included in version 20.41.1000:

・Added support for steering match on packet l4_type through FTG/FTE.

Supported Devices and Features

HPE Part Number	Device Name	PSID
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 x16 MCX653106A-ECAT Adapter	HPE0000000036

Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox Ethernet only adapters

Version: 1.0.0.21 (A) (Recommended)

Important Note!

The Firmware Upgrade Utility has been split into 2 packages for Mellanox Ethernet Only NIC adpaters, 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-Lx/ConnectX5 firmware version 14.32.1010/16.32.1010 (or later) respectively. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

・Firmware got into an unresponsive state and caused unexpected behavior when connecting an optical

transceiver that support RxLOS and the remote side port was down.

- The system could not create more than 128K QPs.
- On rare occasions, the system got into an unresponsive state when a peer port went down while using an Optical module.
- Packet Pacing rate was used if asymmetric VFs was enabled.
- Incorrect RNR timeout when trying to set it during the rts2rts_qp transition.
- Issue with RSS on IPSec flows in ConnectX-4 Lx led to performance degradation. In this scenario, the SPI optimization caused packets from a given host to hash to the same CPU core. The fix was to ignore SPI optimization according to l4_type in ConnectX-4 Lx adapter cards.
- The GetInventory NC-SI command reported leading 0xf in firmware version when it started with 0.

No fixes are included in firmware version 16.35.3502.

Enhancements

- 817749-B21 (HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter)
- 817753-B21 (HPE Ethernet 25Gb 2-port 640SFP28 Adapter)
- Added 3 new assert filters (Health buffer, NVlog, FW trace). The assert will be exposed now if its severity level is equal to or above the new filter.
- Enabled Rate Limit per VM instead of VM-TC. This capability is implemented by adding support to a new Scheduling element type: rate limit elements that will connect to the rate_limit and will share its rate limit.
- Added support for asymmetrical VFs per PF. To enable it:PF_NUM_OF_VF_VALID must be true, and PF_NUM_OF_VF to a non-zero value.
- Limited the external loopback speed to the used module's capabilities.
- Improved linkup time when using the fast linkup capability.
- Added support for the slow_restart and slow_restart_idle parameters to enable Zero Touch RoCE capability.
- Modified the TCP IPv4 flows so that the steering TIR rx_hash_symmetric field is now valid only when both the SRC and DST fields are not set to zero.

Supported Devices and Features

HPE Part Number	Mellanox Ethernet Only Adapters	PSID
817749-B21	HPE Ethernet 25Gb 2-port 640FLR-SFP28 Adapter	HP_2690110034
817753-B21	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	HP_2420110034

Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on Windows x86_64 platform

Version: 1.0.0.15 (Recommended)

Fixes

Fixes 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.
- Fixed an issue that caused PortCounters.PortRcvErr / PPCNT.infiniband_counters.PortRcvErr not to report port icrc errors.
- VF FLR would get stuck when its PF triggered the FLR as well.
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).
- Unexpected source UDP port appeared in RoCE packets when the firmware ignored a non-PF driver configuration for RoCE source UDP port control (as set in SET_HCA_CAP.sw_r_roce_src_udp_port).

Enhancements

- 872726-B21 (HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter)

Important :

Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.

Important :

Security Hardening Enhancements - This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device firmware to this version to improve the firmware security and reliability of your device.New features and changes included in version 1.0.0.15:

- Added firmware flash support on Microsoft Windows Server 2025.
- Increased the maximum XRQ number to 512.
- Added support for postponing QP timeout "retry exceeded" errors for traffic directed at specific destinations. This new capability prevents broken connections for destinations in downtime because of live migration.

Supported Devices and Features

HPE Part Number	Device Name	PSID
872726-B21	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	HPE0000000009

Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX6 devices on Windows x86_64 platform

Version: 1.0.0.10 (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
200GbE/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	200GbE/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 20.32.1010. Thermal sensor reporting on the adapter will not be functional with older versions of iLO5 firmware.

Fixes

No fixes are included in version 20.41.1000.

Enhancements

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.

Security Hardening Enhancements:

This release contains important reliability improvements and security hardening enhancements. HPE recommends upgrading your device's firmware to this release to improve the firmware security and reliability of your device.New features and changes included in version 20.41.1000:

- Added support for steering match on packet l4_type through FTG/FTE.

Supported Devices and Features

HPE Part Number	Device Name	PSID
P06251-B21	HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe3 x16 MCX653106A-ECAT Adapter	HPE0000000036

Online NVMe SSD Flash Component for Linux (x64) - EO000400KYDKV and EO000800KYDLA 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..
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

- Fixed flashing issue through SDR method

・Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives

Version: 4ICSHPK4 (J) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fixed flashing issue through SDR method

・Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives

Version: GPK7 (D) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fixed flashing issue through SDR method

・Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives

Version: GPK5 (D) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fixed flashing issue through SDR method

・Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives

Version: GPK7 (D) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fixed flashing issue through SDR method

・Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives

Version: HPK3 (L) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fixed flashing issue through SDR method

・Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives

Version: HPK3 (H) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fixed flashing issue through SDR method

・Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives

Version: EPK76H3Q (E) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fixed flashing issue through SDR method

・Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives

Version: HPK3 (Recommended)

Fixes

・Maintenance firmware release to introduce fixes from previous firmware.

・Maintenance firmware release to introduce fixes from previous firmware.

Online NVMe SSD Flash Component for Linux (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives

Version: HPK3 (Recommended)

Fixes

・Maintenance firmware release to introduce fixes from previous firmware.

・Maintenance firmware release to introduce fixes from previous firmware.

Online NVMe SSD Flash Component for Linux (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives

Version: HPK5 (F) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives

Version: HPK3 (H) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives

Version: HPK7 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives

Version: HPK5 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives

Version: 4ICRHPK3 (J) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for Linux (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN Drives

Version: 85032G00 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives

Version: HPK5 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix known FW bug PI/CI indexing issue
- Fix known FW bug PI/CI indexing issue

Online NVMe SSD Flash Component for VMware ESXi - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives

Version: HPK3 (Recommended)

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.
- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives

Version: HPK3 (Recommended)

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.
- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives

Version: HPK3 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives

Version: HPK7 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - EO000400KYDKV and EO000800KYDLA Drives

Version: HPK4 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives

Version: 4ICSHPK4 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives

Version: GPK7 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives

Version: GPK5 (B) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives

Version: GPK7 (B) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives

Version: HPK3 (G) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives

Version: HPK3 (F) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives

Version: EPK76H3Q (F) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives

Version: HPK5 (D) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives

Version: 4ICRHPK3 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for VMware ESXi - VS000480KXALB, VS000960KWXFN, VS001920KWXFP and VS003840KWXFQ Drives

Version: 85032G00 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for Windows (x64) - EO000400KYDKV and EO000800KYDLA Drives

Version: HPK4 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for Windows (x64) - ET000750KWJTF, EO000750KWTXC and EO000375KWJUC Drives

Version: 4ICSHPK4 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives

Version: GPK7 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives

Version: GPK5 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives

Version: GPK7 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - MK000800KWWFE, MK001600KWWFF, MK003200KWWFH, MK006400KWWFK, VK000960KWWFL, VK001920KWWFN, VK003840KWWFP and VK007680KWWFQ Drives

Version: HPK3 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Enhancements

・Added support for Microsoft Windows Server 2025.

・Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - MO001600KWVNB, MO003200KWVNC, MO006400KWVND, MT001600KWSTB, MT003200KWSTC and MT006400KWSTD Drives

Version: HPK3 (F) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Enhancements

・Added support for Microsoft Windows Server 2025.

・Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - MZPLJ1T6HBJR-000H3, MZPLJ3T2HBJR-000H3 and MZPLJ6T4HALA-000H3 Drives

Version: EPK76H3Q (E) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - VO000960KWUEA, VO001920KWUEB, VO003840KWUEC, VO007680KWUED, VO015360KWUEE, MO000800KWUDR, MO001600KWUDT, MO003200KWUDU and MO006400KWUDV Drives

Version: HPK3 (Recommended)

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.
- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - VO000960KWVBR, VO001920KWVBT and VO003840KWVBU Drives

Version: HPK3 (Recommended)

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.
- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - VO000960KXAVL, VO001920KXAVP, VO003840KXAVQ, VO007680KXAVR, MO000800KXAVN, MO001600KXAVT, MO003200KXAVU and MO006400KXAVV Drives

Version: HPK5 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - VO001920KWVMT, VO003840KWVMU, and VO007680KWVMV Drives

Version: HPK3 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - VO001920KWZQR, VO003840KWZQT, MO001600KWZQP and MO003200KWZQQ Drives

Version: HPK7 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives

Version: HPK5 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online NVMe SSD Flash Component for Windows (x64) - VO002000KWVVC, VO004000KWVUR, MO001600KWVUU, MO003200KWVUV and MO006400KWVVA Drives

Version: 4ICRHPK3 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online NVMe SSD Flash Component for Windows (x64) - VS000480KXALB, VS003840KWXFQ, VS001920KWXFP and VS000960KWXFN drives

Version: 85032G00 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Enhancements

・Added support for Microsoft Windows Server 2025.

・Added support for Microsoft Windows Server 2025.

Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP

Version: HPK1 (Recommended)

Fixes

・Changes and improvements made in HPK1 are to enhance receiver signals by changing the drive's internal PHY register values on Gen11 x2 direct attached system.

・Changes and improvements made in HPK1 are to enhance receiver signals by changing the drive's internal PHY register values on Gen11 x2 direct attached system.

Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA

Version: HPK5 (Recommended)

Fixes

・This firmware provides bug fixes for the P5620/P5520.

・This firmware provides bug fixes for the P5620/P5520.

Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA

Version: HPK4 (Recommended)

Important Note!

If drive FW needs to downgrade from HPK4 to HPK3, a reset/POR is required.

Fixes

・Firmware maintenance release on HPK4.

・Please note this version of FW has applied UUID change from little endian to big endian per Datacenter NVMe SSD Spec. System application should be updated accordingly per this UUID change.

・If drive FW needs to downgrade from HPK4 to HPK3, a reset/POR is required.

・If drive FW needs to downgrade from HPK4 to HPK3, a reset/POR is required.

Universal Firmware Package for Drives - VR000480KXLXF

Version: HPK3 (Recommended)

Fixes

- Please note this version of FW has applied UUID change from little endian to big endian per Datacenter NVMe SSD Spec. System application should be updated accordingly per this UUID change.
- If drive FW needs to downgrade from HPK3 to HPK2, a reset/POR is required.
- SSID will change from a801 to 03b5 after FW update to HPK3.
- SSID will change from a801 to 03b5 after FW update to HPK3.

Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ

Version: HPK2 (Recommended)

Fixes

- This is a maintenance release that contains code improvements for CAP.TO and LED behavior.
- This is a maintenance release that contains code improvements for CAP.TO and LED behavior.

Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ

Version: HPK2 (Recommended)

Important Note!

HPK2 FW adding 15.36T HPE model number and not allowing user to flash back (flash downgrade) to prevent the issue on 15.36T drive.

Fixes

- This version of FW now supports the 15.36TB model and FW fixes of drive time-out/failures.
- This version of FW now supports the 15.36TB model and FW fixes of drive time-out/failures.

Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB

Version: HPS3 (Recommended)

Fixes

- Improvements to our out-of-band message handling to ensure robust device management capabilities
- Changes to improve our PCIe link compatibility as well as device reliability
- This firmware update is recommended as it improves our system interoperability and prevents specific scenarios that could cause the drive to become unresponsive.
- This firmware update is recommended as it improves our system interoperability and prevents specific scenarios that could cause the drive to become unresponsive.

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: 0.2.3.0 (C) (Recommended)

Prerequisites

System ROM V1.26 or later The "iLO 5 Channel Interface Driver" (CHIF) for Windows

Enhancements

Version 0.2.3.0 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: 1.1.4 (B) (Recommended)

Enhancements

Version 1.1.4 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: 1.1.4 (B) (Recommended)

Enhancements

Version 1.1.4 firmware

Online ROM Flash for Windows x64 - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors

Version: 1.0.0.22 (B) (Recommended)

Prerequisites

System ROM V1.26 or later The "iLO 5 Channel Interface Driver" (CHIF) for Windows

Enhancements

Version 1.0.0.22 firmware

ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors

Version: 1.1.4 (Recommended)

Enhancements

Version 1.1.4 firmware

***REMOVED* Online HDD/SSD Flash Component for Linux (x64) - EH000600JWCPF and EH000900JWCPH Drives**

Version: HPDB (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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported 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

REMOVED - Version HPDB is NO LONGER AVAILABLE for download. Customers who have issue with Upgrading the FW from previous version to HPDB need to wait for later FW HPDB(B).

***REMOVED* Online HDD/SSD Flash Component for VMware ESXi - EH000600JWCPF and EH000900JWCPH Drives**

Version: HPDB (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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported 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

REMOVED - Version HPDB is NO LONGER AVAILABLE for download. Customers who have issue with Upgrading the FW from previous version to HPDB need to wait for later FW HPDB(B).

***REMOVED* Online HDD/SSD Flash Component for Windows (x64) - EH000600JWCPF and EH000900JWCPH Drives**

Version: HPDB (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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported 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

REMOVED - Version HPDB is NO LONGER AVAILABLE for download. Customers who have issue with Upgrading the FW from previous version to HPDB need to wait for later FW HPDB(B).

Online HDD/SSD Flash Component for Linux (x64) - EG000300JWBHR Drive

Version: HPD5 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EG000300JWFVB Drive

Version: HPD3 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EG000600JWFUV and EG001200JWFVA Drives

Version: HPD4 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fixed flashing issue through SDR method

・Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives

Version: HPD8 (C) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fixed flashing issue through SDR method

・Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives

Version: HPDA (D) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fixed flashing issue through SDR method

・Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives

Version: HPD8 (G) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives

Version: HPD2 (K) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives

Version: HPD4 (H) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB004000JWFVK and MB006000JWFVL Drives

Version: HPD4 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTH and MB020000JXMTP Drives

Version: HPD2 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives

Version: HPDA (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives

Version: HPDB (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives

Version: HPD7 (H) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives

Version: HPD5 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EG001800JWFVC Drive

Version: HPD4 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNL and EG002400JWJNN Drives

Version: HPD5 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EG1800JFHMH Drive

Version: HPD8 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPK and EH000600JWHPH Drives

Version: HPD8 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives

Version: HPD8 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fixed flashing issue through SDR method

・Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives

Version: HPD4 (Recommended)

Fixes

・Maintenance firmware release to introduce fixes from previous firmware.

・Maintenance firmware release to introduce fixes from previous firmware.

Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and MB004000JYDPB Drives

Version: HPD2 (E) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fixed flashing issue through SDR method

・Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB004000JWKGU Drive

Version: HPD2 (G) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fixed flashing issue through SDR method

・Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB and MB002000JWWQA Drives

Version: HPD8 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB006000JWKGN Drive

Version: HPD2 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF and MB008000JYDPC Drives

Version: HPD2 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB008000JWJRQ and MB006000JWJRP Drives

Version: HPD9 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB008000JWRTD Drive

Version: HPD2 (H) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives

Version: HPD8 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB010000JWAYK and MB008000JWAYH Drives

Version: HPD6 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives

Version: HPD4 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives

Version: HPD3 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB012000JWDFD Drive

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method.

・Fixed flashing issue through SDR method.

Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives

Version: HPD4 (B) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fixed flashing issue through SDR method

・Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives

Version: HPD2 (L) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fixed flashing issue through SDR method

・Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB014000JWTFD and MB012000JWTFC Drives

Version: HPD8 (G) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fixed flashing issue through SDR method

・Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB014000JWUDB Drive

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB014000JXUCC Drive

Version: HPD4 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB016000JWXKH Drive

Version: HPDA (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB016000JXLBA and MB018000JXLAU Drives

Version: HPD3 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB2000JFDSL and MB4000JFDSN Drives

Version: HPD4 (M) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MM1000JFJTH Drive

Version: HPD5 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives

Version: HPD5 (J) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives

Version: HPD1 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives

Version: HPD8 (I) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives

Version: HPD5 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives

Version: HPD5 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives

Version: HPD8 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives

Version: HPD3 (Recommended)

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.
- Maintenance firmware release to introduce fixes from previous firmware.

Online HDD/SSD Flash Component for VMware ESXi - EG000300JWBHR Drive

Version: HPD5 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EG000300JWFVB Drive

Version: HPD3 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EG000600JWFUV and EG001200JWFVA Drives

Version: HPD4 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives

Version: HPD8 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives

Version: HPDA (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives

Version: HPD8 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPK and EH000600JWHPH Drives

Version: HPD8 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives

Version: HPD8 (B) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives

Version: HPD2 (I) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives

Version: HPD4 (Recommended)

Fixes

・Maintenance firmware release to introduce fixes from previous firmware.

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives

Version: HPD4 (F) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives

Version: HPD2 (E) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB004000JWFVK and MB006000JWFVL Drives

Version: HPD4 (E) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF and MB008000JYDPC Drives

Version: HPD2 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives

Version: HPD3 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB012000JWDFD Drive

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives

Version: HPD2 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives

Version: HPDA (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH Drive

Version: HPD5 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA, EO001600JWTCB Drives

Version: HPDB (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives

Version: HPD3 (Recommended)

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.
- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives

Version: HPD5 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EG001800JWFVC Drive

Version: HPD4 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNL and EG002400JWJNN Drives

Version: HPD5 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EG1800JFHMH Drive

Version: HPD8 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives

Version: HPD7 (H) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB004000JWKGU Drive

Version: HPD2 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives

Version: HPD8 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB006000JWKGN Drive

Version: HPD2 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB008000JWJRQ and MB006000JWJRP Drives

Version: HPD9 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB008000JWRTD Drive

Version: HPD2 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives

Version: HPD8 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB010000JWAYK and MB008000JWAYH Drives

Version: HPD6 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB014000JWTFD and MB012000JWTFC Drives

Version: HPD8 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB014000JWUDB Drive

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB014000JXUCC Drive

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB016000JWXKH Drive

Version: HPDA (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives

Version: HPD3 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB2000JFDSL and MB4000JFDSN Drives

Version: HPD4 (L) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives

Version: HPD5 (I) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives

Version: HPD1 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives

Version: HPD8 (I) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives

Version: HPD5 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives

Version: HPD5 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives

Version: HPD8 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi -MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives

Version: HPD2 (I) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - EG000300JWBHR Drive

Version: HPD5 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Enhancements

・Added support for Microsoft Windows Server 2025.

・Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - EG000300JWFVB Drive

Version: HPD3 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Enhancements

・Added support for Microsoft Windows Server 2025.

・Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - EG000300JWSJP, EG000600JWJNH and EG001200JWJNK Drives

Version: HPD5 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Enhancements

・Added support for Microsoft Windows Sever 2025.

・Added support for Microsoft Windows Sever 2025.

Online HDD/SSD Flash Component for Windows (x64) - EG000600JWFUV and EG001200JWFVA Drives

Version: HPD4 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives

Version: HPD8 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - EG001800JWFVC Drive

Version: HPD4 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNL and EG002400JWJNN Drives

Version: HPD5 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Enhancements

・Added support for Microsoft Windows Sever 2025.

・Added support for Microsoft Windows Sever 2025.

Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives

Version: HPDA (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - EG0600JETKA, EG0900JETKB and EG1200JETKC Drives

Version: HPD8 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - EG1800JFHMH Drive

Version: HPD8 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPK and EH000600JWHPH Drives

Version: HPD8 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - EH000900JWHPP, EH000600JWHPN and EH000300JWHPL Drives

Version: HPD8 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like

(B) (C) (D) etc.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - EK0800JVYPN, EO1600JVYPP, MK0800JVYPQ and MO1600JVYPR Drives

Version: HPD7 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - EO000400JWDKP, EO000800JWDKQ, EO001600JWDKR, MO000400JWDKU, MO000800JWDKV, MO001600JWDLA and MO003200JWDLB Drives

Version: HPD2 (H) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives

Version: HPD4 (Recommended)

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.
- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives

Version: HPD4 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives

Version: HPD2 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB004000JWFVK and MB006000JWFVL Drives

Version: HPD4 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB004000JWKGU Drive

Version: HPD2 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives

Version: HPD8 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB006000JWKGN Drive

Version: HPD2 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF and MB008000JYDPC Drives

Version: HPD2 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB008000JWJRQ and MB006000JWJRP Drives

Version: HPD9 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB008000JWRTD Drive

Version: HPD2 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives

Version: HPD8 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives

Version: HPG1 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025
- Added support for Microsoft Windows Server 2025

Online HDD/SSD Flash Component for Windows (x64) - MB010000JWAYK and MB008000JWAYH Drives

Version: HPD6 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives

Version: HPD4 (C) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives

Version: HPD3 (B) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB012000JWDFD Drive

Version: HPD4 (B) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Enhancements

・Added support for Microsoft Windows Server 2025.

・Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB014000JWRTH, MB012000JWRTF and MB010000JWRTE Drives

Version: HPD2 (H) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB014000JWTFD and MB012000JWTFC Drives

Version: HPD8 (F) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB014000JWUDB Drive

Version: HPD4 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Enhancements

・Added support for Microsoft Windows Server 2025.

・Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB014000JXUCC Drive

Version: HPD4 (B) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB016000JWXKH Drive

Version: HPDA (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives

Version: HPD3 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives

Version: HPD2 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB2000JFDSL and MB4000JFDSN Drives

Version: HPD4 (J) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives

Version: HPDA (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH Drive

Version: HPD5 (D) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MO000400JWFWN, MO000800JWFWP, MO001600JWFWQ, MO003200JWFWR, MO000960JWFWT, MO001920JWFWU and MO003840JWFWV Drives

Version: HPD5 (H) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MO000800JXBEV, MO001600JXBFP, MO003200JXBFQ, MO006400JXBFR, MO000960JXBFA, MO001920JXBFT, MO003840JXBFU, MO007680JXBGA, MO015360JXBFV, EO000400JXBEU, EO000800JXBFL and EO001600JXBFN Drives

Version: HPD1 (E) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - VK000960JWSSQ, VK001920JWSSR, VK003840JWSST, VK007680JWSSU and VO015300JWSSV Drives

Version: HPD8 (G) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - VO000800JWZJP, VO001600JWZJQ, VO003200JWZJR and VO006400JWZJT Drives

Version: HPD5 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Enhancements

・Added support for Microsoft Windows Server 2025.

・Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - VO000960JWTBK, VO001920JWTBL, VO003840JWTBN, VO007680JWTBP, MO000400JWTBQ, MO000800JWTBR, MO001600JWTBT, MO003200JWTBU, MO006400JWTCD, EO000400JWTBV, EO000800JWTCA and EO001600JWTCB Drives

Version: HPDB (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Enhancements

・Added support for Microsoft Windows Server 2025.

・Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - VO000960JWZJF, VO001920JWZJH, VO003840JWZJK, VO007680JWZJL and VO015360JWZJN Drives

Version: HPD5 (B) (Recommended)

Important Note!

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Enhancements

・Added support for Microsoft Windows Server 2025.

・Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives

Version: HPD8 (B) (Recommended)

Important Note!

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - VO003840XZCLT, VO007680XZCMB, MO000800XZCLQ and MO001600XZCLV Drives

Version: HPD3 (Recommended)

Fixes

- Maintenance firmware release to introduce fixes from previous firmware.
- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Universal Firmware Package for Drives - MB020000JXMVU

Version: HPD1 (Recommended)

Fixes

- An error was found in the queue fullhandling process that results in the FUA bit not getting properly set, which could lead to the drive self-initiated reset
- The FW fix is to resolve the handling of FUA bit during the queue full handling process has been implemented
- The FW was confirmed to resolve the issue of drives resetting under queue full handling situations.
- The FW was confirmed to resolve the issue of drives resetting under queue full handling situations.

Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD

Version: HPD1 (Recommended)

Fixes

- Improve random read/write perfomance.

・Improve random read/write perfomance.

Universal Firmware Package for Drives - MB24000JYEVE

Version: HPD1 (Recommended)

Fixes

・Improve random read/write perfomance.

・Improve random read/write perfomance.

Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE

Version: HPD5 (Recommended)

Fixes

・This firmware version fixes a bug with the unmap command that may cause a drive hang

・This firmware version fixes a bug with the unmap command that may cause a drive hang

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Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD

Version: HPD4 (Critical)

Fixes

・To fix - Frequent insertion of low priority commands during IO execution may lead to drive offline randomly.

・To fix - Frequent insertion of low priority commands during IO execution may lead to drive offline randomly.For more information, refer to HPE Customer Advisory at the following URL: https://support.hpe.com/hpesc/public/docDisplay?docId=a00141941en_us

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Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU

Version: HPD2 (Recommended)

Fixes

・For commands that have reported errors to the host, FW has been changed so that new commands are registered after FW performs Abort process for the corresponding command in the command management table.

Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA

Version: HPD3 (Critical)

Fixes

・It has fix code for V6 read disturb and other issues.

- For more information, refer to HPE Customer Bulletin at the following URL: https://support.hpe.com/hpesc/public/docDisplay?docId=a00136659en_us
- For more information, refer to HPE Customer Bulletin at the following URL: https://support.hpe.com/hpesc/public/docDisplay?docId=a00136659en_us

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Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU

Version: HPD3 (Critical)

Fixes

- It has fix code for V6 Read disturb issue and other issue.
- For more information, refer to HPE Customer Bulletin at the following URL: https://support.hpe.com/hpesc/public/docDisplay?docId=a00136659en_us
- For more information, refer to HPE Customer Bulletin at the following URL: https://support.hpe.com/hpesc/public/docDisplay?docId=a00136659en_us

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Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU

Version: HPD1 (Recommended)

Fixes

- This fix is for unrecovered errors may occur on the targeted Blocks of Wear-leveling process when host issues Read command.
- This fix is for unrecovered errors may occur on the targeted Blocks of Wear-leveling process when host issues Read command.

Online HDD/SSD Flash Component for Linux (x64) - MB018000GXMTK and MB020000GXMTQ Drives

Version: HPG2 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method

・Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB001000GWCBC and MB002000GWCBD Drives

Version: HPG6 (K) (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.
・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fixed flashing issue through SDR method
・Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB001000GWFWK and MB002000GWFWL Drives

Version: HPG6 (K) (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.
・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fixed flashing issue through SDR method
・Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives

Version: HPG1 (L) (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB004000GWKGV Drive

Version: HPG1 (K) (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB006000GWBXQ and MB008000GWBYL Drives

Version: HPG8 (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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB006000GWJRR and MB008000GWJRT Drives

Version: HPG6 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB006000GWKGR Drive

Version: HPG1 (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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB008000GWRTC Drive

Version: HPG1 (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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB008000GWWQU and MB006000GWWQT Drives

Version: HPG8 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB010000GWAYN and MB008000GWAYL Drives

Version: HPG5 (K) (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives

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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives

Version: HPG2 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB012000GWDFE Drive

Version: HPG5 (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.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported 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

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFF Drives

Version: HPG8 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives

Version: HPG4 (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..
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc..

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives

Version: HPG2 (K) (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB014000GWUDA 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MB016000GWXKK Drive

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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF Drives

Version: HPG3 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives

Version: HPG1 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MM1000GFJTE Drive

Version: HPG6 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - MM2000GEFRA Drive

Version: HPG9 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives

Version: HPG5 (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.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB, MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives

Version: HPG1 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives

Version: HPG5 (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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported 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

- Fix contains code improvements for SMART reporting.
- Fix contains code improvements for SMART reporting.

Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives

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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK003840GWSXL Drive

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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for Linux (x64) - VK007680GWSXN Drive

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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fixed flashing issue through SDR method
- Fixed flashing issue through SDR method

Online HDD/SSD Flash Component for VMware ESXi - MB010000GWZGT, MB012000GWZGU, MB014000GWZGV and MB016000GWZHD Drives

Version: HPG1 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives

Version: HPG2 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives

Version: HPG2 (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.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB001000GWCBC and MB002000GWCBD 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB001000GWFWK and MB002000GWFWL Drives

Version: HPG6 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C)

(D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB004000GWKGV Drive

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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives

Version: HPG6 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB006000GWBXQ and MB008000GWBYL Drives

Version: HPG8 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB006000GWJRR and MB008000GWJRT Drives

Version: HPG6 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB006000GWKGR Drive

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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB008000GWRTC Drive

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.
・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.
・Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB008000GWWQU and MB006000GWWQT Drives

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.
・Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.
・Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB010000GWAYN and MB008000GWAYL Drives

Version: HPG5 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB012000GWDFE Drive

Version: HPG5 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFF Drives

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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives

Version: HPG4 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives

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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB014000GWUDA 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MB016000GWXKK Drive

Version: HPG4 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.

Version: HPG1 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MM1000GFJTE Drive

Version: HPG6 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - MM2000GEFRA Drive

Version: HPG9 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives

Version: HPG5 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU, VK003840GWSRV Drives

Version: HPG4 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK000240GXAWE, VK000480GXAWK, VK000960GXAWL, VK001920GXAWN, VK003840GXAWP, VK007680GXAWQ, MK000480GXAWF, MK000960GXAXB,MK001920GXAWR, MK003840GXAWT, VR000240GXBBL, MR000480GXBGH and MR000960GXBGK 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.

Version: HPG1 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives

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.
- 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives

Version: HPG5 (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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported 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

- Fix contains code improvements for SMART reporting.
- Fix contains code improvements for SMART reporting.

Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR Drives

Version: HPG3 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK003840GWSXL 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.
- 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for VMware ESXi - VK007680GWSXN 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.

- 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB001000GWCBC and MB002000GWCBD Drives

Version: HPG6 (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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB001000GWFWK and MB002000GWFWL 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.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives

Version: HPG1 (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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB004000GWKGV Drive

Version: HPG1 (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.
- Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB004000GWWQH, MB002000GWWQF and MB001000GWWQE Drives

Version: HPG6 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB006000GWBXQ and MB008000GWBYL 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.
- Online drive firmware update available for Smart Array Controllers configured in systems running

supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB006000GWJRR and MB008000GWJRT 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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB006000GWKGR Drive

Version: HPG1 (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.

- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB008000GWRTC Drive

Version: HPG1 (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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB008000GWWQU and MB006000GWWQT Drives

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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB010000GWAYN and MB008000GWAYL Drives

Version: HPG5 (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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives

Version: HPG2 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB012000GWDFE Drive

Version: HPG5 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFF Drives

Version: HPG8 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives

Version: HPG4 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB014000GWRTN, MB012000GWRTL and MB010000GWRTK Drives

Version: HPG2 (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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an

offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB014000GWUDA 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - MB016000GWXKK Drive

Version: HPG4 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTK and MB020000GXMTQ Drives

Version: HPG2 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MK000480GWSSC, MK000960GWSSD, MK001920GWSSE and MK003840GWSSF 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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an

offline update using the Service Pack for ProLiant and Smart Update Manager.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives

Version: HPG1 (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.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MM1000GFJTE Drive

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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - MM2000GEFRA Drive

Version: HPG9 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GWJPD, VK000480GWJPE, VK000960GWJPF, VK001920GWJPH, VK003840GWJPK, MK000240GWKVK, MK000480GWJPN, MK000960GWJPP and MK001920GWJPQ Drives

Version: HPG5 (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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GWSRQ, VK000480GWSRR, VK000960GWSRT, VK001920GWSRU and VK003840GWSRV Drives

Version: HPG4 (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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN 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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives

Version: HPG1 (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.
- Customers who already installed latest firmware version do not need to update to sub version like

(B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - VK000480GWSXF, VK000960GWSXH, VK001920GWSXK, MK000480GWUGF, MK000960GWUGH and MK001920GWUGK Drives

Version: HPG3 (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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - VK000480GWTHA, VK000960GWTHB, VK001920GWTHC and VK003840GWTHD Drives

Version: HPG5 (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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported 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

- Fix contains code improvements for SMART reporting.
- Fix contains code improvements for SMART reporting.

Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Online HDD/SSD Flash Component for Windows (x64) - VK000960GXCLD, VK001920GXCGP, VK003840GXCGQ and VK007680GXCGR 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Enhancements

・Added support for Microsoft Windows Server 2025.

・Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - VK003840GWSXL 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

・Fix the controller library compatible issue.

・Fix the controller library compatible issue.

Enhancements

・Added support for Microsoft Windows Server 2025.

・Added support for Microsoft Windows Server 2025.

Online HDD/SSD Flash Component for Windows (x64) - VK007680GWSXN 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.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

Fixes

- Fix the controller library compatible issue.
- Fix the controller library compatible issue.

Enhancements

- Added support for Microsoft Windows Server 2025.
- Added support for Microsoft Windows Server 2025.

Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD

Version: HPG1 (Recommended)

Fixes

Optimize thermal maximum continuous operation temperature values.

Universal Firmware Package for Drives - MB006000GWZVL and MB008000GWZVN

Version: HPG1 (Critical)

Fixes

- This maintenance revision improves data integrity. The risk of not upgrading to this firmware is the increased possibility of data corruption in certain error and timing conditions.
- For more information, refer to HPE Customer Advisory at the following URL: https://support.hpe.com/hpesc/public/docDisplay?docId=a00138902en_us which will be active on 24-April-2024.
- For more information, refer to HPE Customer Advisory at the following URL: https://support.hpe.com/hpesc/public/docDisplay?docId=a00138902en_us which will be active on 24-April-2024.

Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN

Version: HPG1 (Recommended)

Fixes

Update maximum continuous operation temperature values for host thermal management and reporting.

Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU

Version: HPG3 (Recommended)

Fixes

- HPG3 is a planned maintenance release covering bug fixes for 2.5" and M.2. There are no critical functional updates, and risk is low for customers who do not upgrade, especially if drives are not stored without power for a long period of time (~2 years).

- HPG3 is a planned maintenance release covering bug fixes for 2.5" and M.2. There are no critical functional updates, and risk is low for customers who do not upgrade, especially if drives are not stored without power for a long period of time (~2 years).

Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR216i-a Gen10 Plus Tri Mode Controller

Version: 52.26.3.5487 (Recommended)

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.
- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR216i-p Gen10 Plus Tri Mode Controller

Version: 52.26.3.5487 (Recommended)

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.
- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR416i-a Gen10 Plus Tri Mode Controller

Version: 52.26.3.5487 (Recommended)

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.
- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Controller Firmware Flash for ESXi7.0 and 8.0 - HPE MR416i-p Gen10 Plus Tri Mode Controller

Version: 52.26.3.5487 (Recommended)

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.
- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Firmware Package - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P416ie-m and P816i-a SR Gen10 and SR308i-o,SR308i-p Gen11 controllers

Version: 7.11 (Recommended)

Fixes

- Fixed an issue where the host experienced BSOD while clearing the controller configuration.
- Fixed controller lockups caused by incorrect address reads and partial RAM initialization for PCIe functions, leading to ECC errors.
- Fixed issues with external storage.
- Fixed issues with the SATA drive.
- Fixed issues with the SED drive.
- Fixed issues with the spare drive.
- Corrected MCTP-related issues.
- Fixed surface scan issues on the RAID 50.
- Fixed issues encountered during heavy I/O operations.
- Fixed volume issues on the failed drive.
- Fixed issues for incorrect Severity reported in Redfish events.
- Fixed issues for incorrect Status reported in Redfish resources.
- Fixed an issue with improper capacity information in Redfish drive Name.
- Fixed an issue where Redfish long running task status is not reported.
- Fixed an issue where DurableNameFormat for RAID volumes are reported as UUID in RDE READ operations, but should be NAA.
- Fixed an issue where failed to take ownership of, or to revert, a SED through Redfish.
- Fixed an issue when a drive hosting a RAID 0 Volume is removed and reinserted, a VolumeOK event is not generated.
- Fixed an issue where ILORest return "AccelerationMethod" as "ControllerCache" instead of "none" when controller cache is not enable or preset."
- Fixed an issue where ILORest return "AccelerationMethod" as "ControllerCache" instead of "none" when controller cache is not enable or preset."

Enhancements

- Added support for saving Managed SED master key and reset key in cipher text in controller NVRAM instead of clear text.
- Changed temperature polling period from 1 minute to 5 minutes for HBA mode drives that are in low power state.
- Added support for clearing UREs in unmapped LBA range of fault tolerant logical drives.
- Improved random write and mixed read-write performance.
- Added support for SED encryption configuration through Redfish interface.
- Added support of Redfish Chassis implementation for UBM Backplanes.
- Added Redfish ACTION:
- Storage.SetEncryptionKey
- Added support for Redfish property PATCH:

- Storage.EncryptionMode
- Storage.HotspareActivationPolicy
- Drive.HostspareReplacementMode
- Drive.HotspareType
- Volume.Encrypted
- Added support for Redfish Status.Conditions property to resources:
- Drive
- Port
- StorageController
- StorageController.CacheSummary
- Volume
- Added support for Redfish properties:
- Drive.DriveFormFactor
- Drive.FirmwareVersion
- Drive.Manufacture (SAS only)
- Drive.SlotCapableProtocols
- StorageController.AssetTag
- StorageController.Links.PCIeFunction
- Volume.BlockSizeBytes
- Volume.LogicalUnitNumber
- Added support for PLDM Type5 UBM PIC firmware flashing behind expander.
- Added support for PLDM Type5 UBM PIC firmware flashing behind expander.

Firmware Package - HPE Gen11 Boot Controller NS204i-u, NS204i-d and HPE Gen10 Plus Boot Controller NS204i-p, NS204i-d, NS204i-t, NS204i-r

Version: 1.2.14.1013 (Recommended)

Important Note!

- Windows: https://www.hpe.com/global/swpublishing/MTX-be195b2891724ec8bb72c8bb2
- Linux: https://www.hpe.com/global/swpublishing/MTX-269e14d0e2524277bf699f433
- Vmware: https://www.hpe.com/global/swpublishing/MTX-1ffaca997cf248cd9f832a04c6
- Vmware: https://www.hpe.com/global/swpublishing/MTX-1ffaca997cf248cd9f832a04c6

Prerequisites

- iLO 6 version 1.10 or later is required for Gen11 servers.
- iLO 5 version 2.81 or later is required for Gen10/Gen10 Plus servers
- iLO 5 version 2.81 or later is required for Gen10/Gen10 Plus servers

Fixes

- Fixed an issue that iLO reports NS204i PLDM firmware update failure, but the firmware update is actually successful and will be activated in next reboot
- Fixed an issue that the M.2 attached are listed in iLO Device Inventory

- Corrected the drive state of performing Storage.ResetToDefaults with ResetAll type
- Allowed empty JSON payload for SecureErase and corrected the returned status when the previous one is either in process or completed.
- Allowed empty JSON payload for SecureErase and corrected the returned status when the previous one is either in process or completed.

Enhancements

- Add @Redfish.AllowableValues, @Redfish.AllowablePattern, @Redfish.AllowableNumbers and @Redfish.WriteableProperties for Redfish Annotations
- Add StorageController.Links, Drive.SlotCapableProtocols and Storage.AutoVolumeCreate for Redfish GET
- Add StorageController.ControllerRates and Volume.DisplayName for Redfish PATCH
- Add StorageController.ControllerRates and Volume.DisplayName for Redfish PATCH

Firmware Package - HPE MR216i-a Gen10 Plus Tri Mode Controller

Version: 52.26.3-5487 (Recommended)

Important Note!

- This firmware version to be used on HPE MR216i-a Gen10 Plus Controller.
- This firmware version to be used on HPE MR216i-a Gen10 Plus Controller.

Prerequisites

iLO5 version should be at least 2.98 is required for chassis&Fabric support.

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.
- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Firmware Package - HPE MR216i-p Gen10 Plus Tri Mode Controller

Version: 52.26.3-5487 (Recommended)

Important Note!

- This firmware version to be used on HPE MR216i-p Gen10 Plus Controller.
- This firmware version to be used on HPE MR216i-p Gen10 Plus Controller.

Prerequisites

iLO5 version should be at least 2.98 is required for chassis&Fabric support.

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.
- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Firmware Package - HPE MR416i-a Gen10 Plus Tri Mode Controller

Version: 52.26.3-5487 (Recommended)

Important Note!

- This firmware version to be used on HPE MR416i-a Gen10 Plus Controller.
- This firmware version to be used on HPE MR416i-a Gen10 Plus Controller.

Prerequisites

iLO5 version should be at least 2.98 is required for chassis&Fabric support.

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.
- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Firmware Package - HPE MR416i-p Gen10 Plus Tri Mode Controller

Version: 52.26.3-5487 (Recommended)

Important Note!

- This firmware version to be used on HPE MR416i-p Gen10 Plus Controller.
- This firmware version to be used on HPE MR416i-p Gen10 Plus Controller.

Prerequisites

iLO5 version should be at least 2.98 is required for chassis&Fabric support.

Fixes

- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.
- Fix an issue that PLDM firmware update may fail. The issue may happen on controller, backplane and drive attached to controller.

Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416ie-m Gen11 Controllers

Version: 03.01.30.106 (Recommended)

Fixes

- Fixed an issue where the host experienced BSOD while clearing the controller configuration.
- Fixed controller lockups caused by incorrect address reads and partial RAM initialization for PCIe functions, leading to ECC errors.
- Fixed an issue where a possible controller lockup was observed after a factory reset.
- Fixed issues with external storage.
- Fixed issues with the SATA drive.
- Fixed issues with the SED drive.

- Fixed issues with the spare drive.
- Corrected MCTP-related issues.
- Fixed SPDM-related issues.
- Fixed issues related to volume creation and rebuilding.
- Fixed volume issues on the failed drive.
- Fixed surface scan issues on the RAID 50.
- Fixed issues encountered during heavy I/O operations.
- Fixed issues for incorrect Severity reported in Redfish events.
- Fixed issues for incorrect Status reported in Redfish resources.
- Fixed an issue with improper capacity information in Redfish drive Name.
- Fixed an issue where Redfish long running task status is not reported.
- Fixed an issue where DurableNameFormat for RAID volumes are reported as UUID in RDE READ operations, but should be NAA.
- Fixed an issue where failed to take ownership of, or to revert, a SED through Redfish.
- Fixed an issue when a drive hosting a RAID 0 Volume is removed and reinserted, a VolumeOK event is not generated.
- Fixed an issue when a drive hosting a RAID 0 Volume is removed and reinserted, a VolumeOK event is not generated.

Enhancements

- Added support for saving Managed SED master key and reset key in cipher text in controller NVRAM instead of clear text.
- Changed temperature polling period from 1 minute to 5 minutes for HBA mode drives that are in low power state.
- Added support for clearing UREs in unmapped LBA range of fault tolerant logical drives.
- Improved RAID 1/10 write sequential performance.
- Added support for SED encryption configuration through Redfish interface.
- Added support of Redfish Chassis implementation for UBM Backplanes.
- Added Redfish ACTION:
- Storage.SetEncryptionKey
- Added support for Redfish property PATCH:
- Storage.EncryptionMode
- Storage.HotspareActivationPolicy
- Drive.HostspareReplacementMode
- Drive.HotspareType
- Volume.Encrypted
- Added support for Redfish Status.Conditions property to resources:
- Drive
- Port
- StorageController
- StorageController.CacheSummary

- Volume
- Added support for Redfish properties:
- Drive.DriveFormFactor
- Drive.FirmwareVersion
- Drive.Manufacture (SAS only)
- Drive.SlotCapableProtocols
- StorageController.AssetTag
- StorageController.Links.PCIeFunction
- Volume.BlockSizeBytes
- Volume.LogicalUnitNumber
- Added support for PLDM Type5 UBM PIC firmware flashing behind expander.
- Added support for PLDM Type5 UBM PIC firmware flashing behind expander.

Online ROM Flash Component for VMware ESXi - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers

Version: 5.15 (B) (Recommended)

Important Note!

- Do NOT downgrade FW to previous version if your current expander is 5.10; please upgrade to 5.15 immediately.
- Do NOT downgrade FW to previous version if your current expander is 5.10; please upgrade to 5.15 immediately.

Enhancements

- Support HPE ProLiant DL180 Gen10 Server
- Support HPE ProLiant DL180 Gen10 Server

Online ROM Flash Component for Windows (x64) - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers

Version: 5.15 (C) (Recommended)

Important Note!

- Do NOT downgrade FW to previous version if your current expander is 5.10; please upgrade to 5.15 immediately.
- Do NOT downgrade FW to previous version if your current expander is 5.10; please upgrade to 5.15 immediately.

Enhancements

Support Microsoft Windows Server 2025.

HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)

Version: 2024.09.01 (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	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:http://www.hpe.com/storage/spock/ 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	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Bus Adapter					
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Supported Devices and Features

- 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 SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

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HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Microsoft Windows Server 2019/2022 x64

Version: 2024.09.01 (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	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Single Port Fibre Channel	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Host Bus Adapter					
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

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	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Supported Devices and Features

- 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 SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

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HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 7.0

Version: 2024.09.01 (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	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

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	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Single Port Fibre Channel Host Bus Adapter					
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Supported Devices and Features

- 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 SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

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HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 8.0

Version: 2024.09.01 (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	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Bus Adapter					

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	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	16Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0
HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	14.4.329.10	14.4.329.10	14.4.329.9	14.4.290.0

Supported Devices and Features

- 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 SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

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HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)

Version: 2024.09.01 (Recommended)

Important Note!

Release Notes: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	02.04.01	9.15.00	7.25	3.68
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	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 enablement kit must be installed prior to this firmware component being identified by SUM for deployment.

- 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.
- 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

Release Notes: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	02.04.01	9.15.00	7.25	3.68
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Single Port Fibre Channel	32Gb	02.04.01	9.15.00	7.25	3.68

Host Bus Adapter					
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0

Supported Devices and Features

- 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 SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

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HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Microsoft Windows Server 2019/2022 (x86_64)

Version: 2024.09.01 (Recommended)

Important Note!

Release Notes: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	02.04.01	9.15.00	7.25	3.68
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0

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 behavior:Temperature Misreading: the adapter was reading incorrect reading of the temperature on the HPE SN1610Q 32Gb Fibre Channel Host Bus adapter's Small Form-factor Pluggable. The symptom would result in a temperature spike and potentially reset the system

Enhancements

Release Notes: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	02.04.01	9.15.00	7.25	3.68
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0

Supported Devices and Features

- 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 SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

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HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 7.0

Version: 2024.09.01 (Recommended)

Important Note!

Release Notes:This Firmware package contains following firmware versions:

Adapter	Speed	MBI	Firmware	UEFI	Boot Bios
HPE SN1100Q 16GB Dual	16Gb	02.04.01	9.15.00	7.25	3.68

Port PCIe Fibre Channel Host Bus Adapter					
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:http://www.hpe.com/storage/spock/

Enhancements

Release Notes: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	02.04.01	9.15.00	7.25	3.68
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0

Supported Devices and Features

- 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 SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

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HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 8.0

Version: 2024.09.01 (Recommended)

Important Note!

Release Notes: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	02.04.01	9.15.00	7.25	3.68
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus Adapter	16Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:http://www.hpe.com/storage/spock/

Enhancements

Release Notes: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	02.04.01	9.15.00	7.25	3.68
HPE SN1100Q 16GB Single Port PCIe Fibre Channel Host Bus	16Gb	02.04.01	9.15.00	7.25	3.68

Adapter					
HPE SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.04.01	9.15.00	7.25	3.68
HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter	32Gb	02.10.00	09.15.00	7.36	0

Supported Devices and Features

- 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 SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

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Firmware Package - Gen10 NVMe Backplane PIC Firmware

Version: 1.24 (F) (Recommended)

Prerequisites

iLO 5 version 1.10 or later is required.

Enhancements

Support ESXi8.0

Firmware Package - UBM1 Backplane PIC PLDM Firmware

Version: 1.46 (B) (Recommended)

Important Note!

- PLDM FWPKG component only supports installation of UBM1 firmware when attached to HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P204i-c, P816i-a and P416ie-m SR Gen10 controllers(Firmware version 5.32 or later is need)
- PLDM FWPKG component can be supported installation of UBM1 firmware when direct attached the the server
- PLDM FWPKG component can be supported installation of UBM1 firmware when direct attached the the server

Prerequisites

- iLO 5 version 2.72 or later is required.
- iLO 5 version 2.72 or later is required.

Enhancements

- Initial version for UBM FWPKG.
- Support RHEL9 and ESXi8.0
- Support RHEL9 and ESXi8.0

Firmware Package - UBM2 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 Servers

Version: 1.20 (E) (Recommended)

Important Note!

- PLDM FWPKG component only supports installation of UBM2 firmware when attached to HPE SR416/SR932(Firmware version 3.01.14.062 or later is need) or HPE smart array controllers(Firmware version 5.32 or later is need) or HPE MR216/416/408 controllers(Firmware version 52.22.3-4650 or later is need)
- PLDM FWPKG component can be supported installation of UBM2 firmware when direct attached the the server
- PLDM FWPKG component can be supported installation of UBM2 firmware when direct attached the the server

Prerequisites

- For Gen11 servers, iLO 6 version 1.10 or later is required.
- For Gen10/Gen10P servers, iLO5 version 2.72 or later is required
- For Gen10/Gen10P servers, iLO5 version 2.72 or later is required

Enhancements

- Support both Gen10P and Gen11 servers
- Support both Gen10P and Gen11 servers

Firmware Package - UBM3 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 servers usage

Version: 1.24 (E) (Recommended)

Important Note!

Flash FWPKG Component on Web Standalone mode

- PLDM FWPKG component only supports installation of UBM3 firmware when attached to HPE SR416/SR932(Firmware version 3.01.14.062 or later is need) or HPE smart array controllers(Firmware version 5.32 or later is need) or HPE MR216/416/408 controllers(Firmware version 52.22.3-4650 or later is need)
- PLDM FWPKG component can be supported installation of UBM3 firmware when direct attached the the server
- PLDM FWPKG component can be supported installation of UBM3 firmware when direct attached the the server

Prerequisites

- iLO 6 version 1.10 or later is required for Gen11 servers.

- iLO 5 version 2.72 or later is required for Gen10/Gen10P servers
- iLO 5 version 2.72 or later is required for Gen10/Gen10P servers

Enhancements

- Support new ML110 and DL560 Gen11 servers
- Support new ML110 and DL560 Gen11 servers

Firmware Package - UBM4 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 servers usage

Version: 1.24 (F) (Recommended)

Important Note!

Flash FWPKG Component on Web Standalone mode

- PLDM FWPKG component only supports installation of UBM4 firmware when attached to HPE SR416/SR932(Firmware version 3.01.14.062 or later is need) or HPE MR216/416/408 controllers(Firmware version 52.22.3-4650 or later is need)
- PLDM FWPKG component can be supported installation of UBM4 firmware when direct attached the the server
- PLDM FWPKG component can be supported installation of UBM4 firmware when direct attached the the server

Prerequisites

- iLO 6 version 1.10 or later is required for Gen11 servers.
- iLO 5 version 2.72 or later is required for Gen10/Gen10P servers
- iLO 5 version 2.72 or later is required for Gen10/Gen10P servers

Enhancements

- Support both Gen10P and Gen11 servers
- Support both Gen10P and Gen11 servers

Firmware Package - UBM6 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 servers usage

Version: 1.04 (Recommended)

Important Note!

- PLDM FWPKG component only supports installation of UBM6 firmware when attached to HPE SR416i/SR932 controllers(Firmware version 3.01.09.056 or later is need) or HPE Smart Array controllers (Firmware version 5.32 or later is need) or HPE MR216/416/408 controllers(Firmware version 52.22.3-4650 or later is need)
- PLDM FWPKG component can be supported installation of UBM6 firmware when direct attached the the server
- PLDM FWPKG component can be supported installation of UBM6 firmware when direct attached the the server

Prerequisites

- For Gen11 servers, iLO 6 version 1.10 or later is required.
- For Gen10/Gen10P servers, iLO5 version 2.72 or later is required
- For Gen10/Gen10P servers, iLO5 version 2.72 or later is required

Enhancements

- Support both Gen10P and Gen11 servers
- Support both Gen10P and Gen11 servers

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: 0.2.3.0 (B) (Recommended)

Prerequisites

The "iLO 5 Channel Interface Driver" (CHIF) for Linux which is integrated into the standard Linux kernel.

Enhancements

Version 0.2.3.0 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: 04.01.05.002 (B) (Recommended)

Enhancements

Version 04.01.05.002 firmware

Online Flash for Linux - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors

Version: 04.04.04.603 (B) (Recommended)

Enhancements

Version 04.04.04.603 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: 04.01.05.002 (C) (Recommended)

Enhancements

Version 04.01.05.002 firmware

Online Flash for Windows x64 - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors

Version: 04.04.04.603 (B) (Recommended)

Enhancements

Version 04.04.04.603 firmware

Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems

Version: 05.01.04.913 (Recommended)

Enhancements

Version 05.01.04.913 firmware

Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems

Version: 06.00.03.604 (B) (Recommended)

Prerequisites

The "iLO 5 Channel Interface Driver" (CHIF) for Windows which is available from Service Pack for ProLiant (SPP).

Enhancements

Version 06.00.03.604 firmware

Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems

Version: 06.00.03.604 (B) (Recommended)

Enhancements

Version 06.00.03.604 firmware

Online ROM Flash for Linux - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors

Version: 1.0.0.22 (B) (Recommended)

Prerequisites

The "iLO 5 Channel Interface Driver" (CHIF) for Linux which is integrated into the standard Linux kernel.

Enhancements

Version 1.0.0.22 firmware

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems

Version: 06.00.03.604 (B) (Recommended)

Enhancements

Version 06.00.03.604 firmware

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems

Version: 05.01.04.913 (B) (Recommended)

Enhancements

Version 05.01.04.913 firmware

Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems

Version: 06.00.03.604 (B) (Recommended)

Enhancements

Version 06.00.03.604 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: 0.2.3.0 (B) (Recommended)

Prerequisites

System ROM V1.26 or later iLO 5 v1.20 or later

Enhancements

Version 0.2.3.0 firmware

ROM Flash Firmware Package - Innovation Engine Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors

Version: 1.0.0.22 (B) (Recommended)

Prerequisites

System ROM V1.26 or later iLO 5 v1.20 or later

Enhancements

Version 1.0.0.22 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: 04.01.05.002 (Recommended)

Enhancements

Version 04.01.05.002 firmware

ROM Flash Firmware Package - Server Platform Services (SPS) Firmware for servers using Intel Xeon Scalable 4300/5300/6300/8300 series Processors

Version: 04.04.04.603 (Recommended)

Enhancements

Version 04.04.04.603 firmware

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems

Version: 05.01.04.913 (Recommended)

Enhancements

Version 05.01.04.913 firmware

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C242 and C246 PCH based systems

Version: 06.00.03.604 (Recommended)

Fixes

See the release document in Download Product Binaries page from Product Summary of the firmware product.

Enhancements

Version 06.00.03.604 firmware

ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C256 PCH based systems

Version: 06.00.03.604 (Recommended)

Fixes

See the release document in Download Product Binaries page from Product Summary of the firmware product.

Enhancements

Version 06.00.03.604 firmware

HPE Lights-Out Online Configuration Utility for Linux (AMD64/EM64T)

Version: 6.0.0-0 (A) (Optional)

Prerequisites

Customers who manually compile and install openssl or intentionally relocate /usr/bin/openssl, need to set PATH environment variable to direct HPONCFG to the right/intended openssl.

Fixes

Enabling rpm installation when OS is in FIPS mode

Enhancements

none

HPE Lights-Out Online Configuration Utility for Windows x64 Editions

Version: 6.0.0.0 (Optional)

Important Note!

RIBCL and the scripting tools including HPQLOCFG, HPE Lights-Out XML PERL Scripting Sample for Linux (includes LOCFG.PL), HPE Lights-Out XML Scripting Sample for Windows, HPONCFG for Windows, HPONCFG for Linux, and HPLOMIG have entered the sustenance stage. HPE will now provide only critical bugs and security fixes for RIBCL and the scripting tools. Hewlett Packard Enterprise recommends using the iLOREST Tool (Download Pages and User Guide) or iLO RESTful API

Prerequisites

- Integrated Lights-Out 5 firmware v1.30 or later
- Integrated Lights-Out 6 firmware v1.10 or later

Microsoft .Net Framework 2.0 or later is required to launch HPONCFG GUI.

Enhancements

Introduced support for iLO 6.

HPE Agentless Management Bundle Smart Component on ESXi for Gen10 and Gen10 Plus Servers

Version: 2024.03.01 (Recommended)

Fixes

- Fixed OID name hrSystemUptime is reported incorrectly
- Fixed OID name hrSystemUptime is reported incorrectly

HPE Fiber Channel and Storage Enablement Bundle Smart Component for ESXi 7.0

Version: 2024.09.01 (Recommended)

Enhancements

This product carries SBOM signatures.

HPE Fiber Channel and Storage Enablement Bundle Smart Component for ESXi 8.0

Version: 2024.09.01 (Recommended)

Enhancements

This product carries SBOM signatures.

HPE iLO Driver Bundle Smart Component for ESXi 7.0 and ESXi 8.0

Version: 2024.09.00 (Recommended)

Enhancements

Revise the product name to support ESXi 8.0.

Smart Storage Administrator (SSA) CLI Smart Component for ESXi 7.0 for Gen10/Gen10 Plus/Gen11 Controllers

Version: 2024.10.01 (Recommended)

Important Note!

Actual ESXi Version is 6.40.6.0

Fixes

- Fixed an issue where failed drive details were displayed multiple times in the 'show config' output.
- Fixed incorrect error messages displayed in SSACLI when the modify command threw an error if the 'drive' and 'drivetype' parameters coexisted.
- Fixed an issue where the array creation command failed when executed with the drives=all and drivetype=sata_hdd parameters.
- Fixed an issue where the drives behind the enclosures were missing in the SSACLI output.
- Fixed an issue where users encountered a failure when launching the SSASCRIPTING tool to restore a RAID configuration with an unsupported parameter for PrebootHealthReporting.
- Fixed an issue where users encountered a failure when launching the SSASCRIPTING tool to restore a RAID configuration with an unsupported parameter for PrebootHealthReporting.

Enhancements

- To improve the output format of the NVMe drive health log for the show command.
- To improve the output format of the NVMe drive health log for the show command.

Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers

Version: 2024.10.01 (Recommended)

Important Note!

Actual ESXi Version is 6.40.6.0

Fixes

- Fixed an issue on VMware ESXi 8.0 U2 where not all controllers were shown via esxcli.
- Fixed an issue on VMware ESXi 8.0 U2 where the create and delete config, as well as other modify operations, were not working.
- Fixed an issue where failed drive details were displayed multiple times in the 'show config' output.
- Fixed incorrect error messages displayed in SSACLI when the modify command threw an error if the 'drive' and 'drivetype' parameters coexisted.
- Fixed an issue where the array creation command failed when executed with the drives=all and drivetype=sata_hdd parameters.
- Fixed an issue where the drives behind the enclosures were missing in the SSACLI output.
- Fixed an issue where users encountered a failure when launching the SSASCRIPTING tool to restore a RAID configuration with an unsupported parameter for PrebootHealthReporting.
- Fixed an issue where users encountered a failure when launching the SSASCRIPTING tool to restore a

RAID configuration with an unsupported parameter for PrebootHealthReporting.

Enhancements

- To improve the output format of the NVMe drive health log for the show command.
- To improve the output format of the NVMe drive health log for the show command.

HPE MegaRAID Storage Administrator StorCLI for VMware7.0 (For Gen10P and Gen11 Controllers)

Version: 2023.12.01 (Recommended)

Enhancements

- Support autoconfig command.
- Support autoconfig command. storcli /cx set autoconfig = < none | JBOD >
- Added a new option [ReuseTargetId] to add vd command. If "ReuseTargetId" is mentioned in the add vd command, the FW will allow reusing of TargetIDs without 120 seconds delay.
- Added support for UBM7 backplanes.
- Support new HPE ProLiant DL145 Gen11 server.
- Support new HPE ProLiant DL145 Gen11 server.

HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)

Version: 2024.06.01 (Recommended)

Fixes

Fix an issue that VMware 8.0 command throws storcli pluggin error.

Enhancements

- Support new HPE ProLiant DL145 Gen11 server.
- Support new HPE ProLiant DL145 Gen11 server.

HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions

Version: 1.2.1.69 (Recommended)

Enhancements

Support Microsoft Windows Server 2025.

HPE QLogic Fibre Channel driver component for VMware vSphere 7.0

Version: 2024.09.01 (Recommended)

Important Note!

Release Notes: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

Driver version 5.3.83.1

Supported Devices and Features

- 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 SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

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HPE QLogic Fibre Channel driver component for VMware vSphere 8.0

Version: 2024.09.01 (Recommended)

Important Note!

Release Notes: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 driver is only supported on VMware ESXi 8.0u3

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:http://www.hpe.com/storage/spock/

Enhancements

Driver version 5.4.83.1 This driver is only supported on VMware ESXi 8.0u3

Supported Devices and Features

- 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 SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

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HPE QLogic Fibre Channel driver component for VMware vSphere 8.0

Version: 2024.09.01 (Recommended)

Important Note!

Release Notes: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

Driver version 5.4.82.1

Supported Devices and Features

- 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 SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

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HPE Storage Emulex Fibre Channel driver component for VMware vSphere 7.0

Version: 2024.09.01 (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 14.2.673.36

Supported Devices and Features

- 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 SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

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Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux -Red Hat Enterprise Linux (RHEL)

Version: 4.2-1 (i) (Optional)

Important Note!

Release notes:Broadcom Release notes

Prerequisites

Requires the following packages to be installed: glibc libgcc libstdc++ bash perl

Fixes

This Component is FIPs enabled.

Enhancements

This Component is FIPs enabled.

Supported Devices and Features

- HPE SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter
- 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 SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb 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 SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

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HPE Emulex Fibre Channel Enablement Kit for Host Bus Adapters for Red Hat Enterprise Linux 8 Server

Version: 14.4.329.3 (Recommended)

Important Note!

Release notes:Broadcom Release notes

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.) Updated to version 14.4.329.3

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 14.4.329.3

Supported Devices and Features

- 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 SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

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HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2016/2019 (x86_64)

Version: 1.0.0.1 (p) (Optional)

Important Note!

The Smart SAN enablement kit will not execute when an operating system has only the inbox fibre channel driver installed. 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 14.0.534.0 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

- 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 SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

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HPE Emulex Fibre Channel Smart SAN Enablement Kit for Host Bus Adapters for Microsoft Windows Server 2022 (x86_64)

Version: 1.0.0.1 (f) (Optional)

Important Note!

The Smart SAN enablement kit will not execute when an operating system has only the inbox fibre channel driver installed. 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: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. HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver v14.0.534.0 cp054531.exe 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

- 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 SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

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HPE Emulex Smart SAN Enablement Kit for Linux

Version: 1.0.0.0-4 (p) (Optional)

Important Note!

To obtain the 3PAR Smart SAN User Guide to go the Storage Information Library at the following link:Storage Information Library By default, HP 3PAR Storage is selected under Products and Solutions.

Prerequisites

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

Fixes

This Component is FIPs enabled.

Enhancements

This Component is FIPs enabled.

Supported Devices and Features

- 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 SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter

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HPE QLogic Fibre Channel Enablement Kit for Host Bus Adapter for Linux

Version: 6.0.0.1-4 (b) (Recommended)

Important Note!

Prerequisites

Please consult SPOCK for a list of supported configurations available at the following link:The Enablement Kit requires that the target environment have the libHBAAPI package installed from your OS installation media.

Enhancements

Updated the kit to version 6.0.0.1-4

Supported Devices and Features

- 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 SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

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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 (n) (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 occured. 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.

- HPE Storage Fibre Channel Adapter Kit for the QLogic Storport Driver for Windows Server 2016 version 9.4.6.20, cp054431.exe.

・HPE Storage Fibre Channel Adapter Kit for the QLogic Storport Driver for Windows Server 2019 version 9.4.6.20, cp054432.exe.

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

・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 SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
・HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

HPE QLogic Smart SAN Enablement Kit for Fibre Channel Host Bus Adapter for Microsoft Windows Server 2022 (x86_64)

Version: 1.0.0.1 (e) (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 occured. 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.

・HPE Storage Fibre Channel Adapter Kit for the QLogic Storport Driver for Windows Server 2022 version 9.4.6.20, cp054433.exe

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

・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 SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

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HPE QLogic Smart SAN enablement kit for Linux

Version: 3.3-3 (p) (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.

- Red Hat Enterprise Linux 8 Server FC Driver Kit for HPE QLogic HBAs , version 10.02.07.01-k1.
- Red Hat Enterprise Linux 9 Server FC Driver Kit for HPE QLogic HBAs , version 10.02.07.01-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.

Fixes

This Component is FIPs enabled.

Enhancements

This Component is FIPs enabled.

Supported Devices and Features

- 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 SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter

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Agentless Management Service (iLO 5, iLO 6) for Red Hat Enterprise Linux 9 Server

Version: 3.6.0 (Optional)

Prerequisites

- amsd only supported on HPE Gen10/Gen10 Plus and later Server Generations.
- amsd provides information to the iLO 5 and iLO 6 service providing SNMP support
- amsd provides information to the iLO 5 and iLO 6 service providing SNMP support

Fixes

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

Enhancements

See the AMS Release Notes for information about the enhancements in this release.

Agentless Management Service (iLO5, iLO 6) for Red Hat Enterprise Linux 8 Server

Version: 3.6.0 (Optional)

Prerequisites

- amsd only supported on HPE Gen10/Gen10 Plus Servers and later Server Generations.
- amsd provides information to the iLO 5 and iLO 6 service providing SNMP support.
- amsd provides information to the iLO 5 and iLO 6 service providing SNMP support.

Fixes

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

Enhancements

See the AMS Release Notes for information about the enhancements in this release.

Agentless Management Service for Microsoft Windows x64

Version: 2.60.0.0 (Recommended)

Important Note!

- 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.".
- 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.
- When in iLO5 high security mode (e.g. FIPS mode), MD5 authentication protocol will not be shown.

Prerequisites

Microsoft SNMP Service must be enabled, if SMA (System Management Assistant) is enabled.

Fixes

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

Enhancements

See the AMS Release Notes for information about the enhancements in this release.

HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)

Version: 8.6.18.0 (B) (Recommended)

Prerequisites

- For SLES15 and above platforms, one of the dependent rpms - 'insserv-compat' is required during installation/uninstallation. This is needed because MRSA startup script is based on SysV/init script and insserv adds as a bridge between SysV/init script and systemctl.
- From RHEL 8+ the Desktop ICON Launching property is disabled by default. Please use either yum or DNF to install gnome-tweak-tool and Enable the Desktop Shortcut feature to launch MRSA. The chkconfig package is not present in RHEL 9 by default. This package is required to auto start MRSA service on system boot. Please install chkconfig package before installing the MRSA.
- From RHEL 8+ the Desktop ICON Launching property is disabled by default. Please use either yum or DNF to install gnome-tweak-tool and Enable the Desktop Shortcut feature to launch MRSA. The chkconfig package is not present in RHEL 9 by default. This package is required to auto start MRSA service on system boot. Please install chkconfig package before installing the MRSA.

Enhancements

Support HPE ProLiant DL145 Gen11 server.

HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)

Version: 8.6.18.0 (D) (Recommended)

Enhancements

Support Microsoft Windows Server 2025

HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)

Version: 007.2613.0000.0000 (B) (Optional)

Enhancements

Support HPE ProLiant DL145 Gen11 server.

HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)

Version: 7.2613.0.0 (C) (Recommended)

Enhancements

Support Microsoft Windows Server 2025

NVMe Drive Eject NMI Fix for Intel Xeon Processor Scalable Family for Microsoft Windows 64-bit

Version: 1.1.0.0 (G) (Optional)

Enhancements

- Updated supported environments
- Updated supported environments

Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.40.6.0 (Recommended)

Fixes

- Fixed an issue where failed drive details were displayed multiple times in the 'show config' output.
- Fixed incorrect error messages displayed in SSACLI when the modify command threw an error if the 'drive' and 'drivetype' parameters coexisted.
- Fixed an issue where the array creation command failed when executed with the drives=all and drivetype=sata_hdd parameters.
- Fixed an issue where the drives behind the enclosures were missing in the SSACLI output.
- Fixed an issue where users encountered a failure when launching the SSASCRIPTING tool to restore a RAID configuration with an unsupported parameter for PrebootHealthReporting.
- Fixed an issue causing a digest mismatch or missing digest error when installing SSA tools on Linux systems with FIPS enabled.
- Fixed an issue causing a digest mismatch or missing digest error when installing SSA tools on Linux systems with FIPS enabled.

Enhancements

- To improve the output format of the NVMe drive health log for the show command.
- To improve the output format of the NVMe drive health log for the show command.

Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.40.6.0 (Recommended)

Fixes

- Fixed an issue where failed drive details were displayed multiple times in the 'show config' output.
- Fixed incorrect error messages displayed in SSACLI when the modify command threw an error if the

'drive' and 'drivetype' parameters coexisted.

- Fixed an issue where the array creation command failed when executed with the drives=all and drivetype=sata_hdd parameters.
- Fixed an issue where the drives behind the enclosures were missing in the SSACLI output.
- Fixed an issue where users encountered a failure when launching the SSASCRIPTING tool to restore a RAID configuration with an unsupported parameter for PrebootHealthReporting.
- Fixed an issue where users encountered a failure when launching the SSASCRIPTING tool to restore a RAID configuration with an unsupported parameter for PrebootHealthReporting.

Enhancements

- To improve the output format of the NVMe drive health log for the show command.
- To improve the output format of the NVMe drive health log for the show command.

Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.40.6.0 (Recommended)

Prerequisites

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 causing a digest mismatch or missing digest error when installing SSA tools on Linux systems with FIPS enabled.
- Fixed an issue causing a digest mismatch or missing digest error when installing SSA tools on Linux systems with FIPS enabled.

Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.40.6.0 (Recommended)

Fixes

- Fixed an issue causing a digest mismatch or missing digest error when installing SSA tools on Linux systems with FIPS enabled.
- Fixed an issue causing a digest mismatch or missing digest error when installing SSA tools on Linux systems with FIPS enabled.

Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.40.6.0 (Recommended)

Fixes

- Fixed an issue where failed drive details were displayed multiple times in the 'show config' output.
- Fixed incorrect error messages displayed in SSACLI when the modify command threw an error if the

'drive' and 'drivetype' parameters coexisted.

- Fixed an issue where the array creation command failed when executed with the drives=all and drivetype=sata_hdd parameters.
- Fixed an issue where the drives behind the enclosures were missing in the SSACLI output.
- Fixed an issue where users encountered a failure when launching the SSASCRIPTING tool to restore a RAID configuration with an unsupported parameter for PrebootHealthReporting.
- Fixed an issue causing a digest mismatch or missing digest error when installing SSA tools on Linux systems with FIPS enabled.
- Fixed an issue causing a digest mismatch or missing digest error when installing SSA tools on Linux systems with FIPS enabled.

Enhancements

- To improve the output format of the NVMe drive health log for the show command.
- To improve the output format of the NVMe drive health log for the show command.

Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers

Version: 6.40.6.0 (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 failed drive details were displayed multiple times in the 'show config' output.
- Fixed incorrect error messages displayed in SSACLI when the modify command threw an error if the 'drive' and 'drivetype' parameters coexisted.
- Fixed an issue where the array creation command failed when executed with the drives=all and drivetype=sata_hdd parameters.
- Fixed an issue where the drives behind the enclosures were missing in the SSACLI output.
- Fixed an issue where users encountered a failure when launching the SSASCRIPTING tool to restore a RAID configuration with an unsupported parameter for PrebootHealthReporting.
- Fixed an issue where users encountered a failure when launching the SSASCRIPTING tool to restore a RAID configuration with an unsupported parameter for PrebootHealthReporting.

Enhancements

- To improve the output format of the NVMe drive health log for the show command.
- To improve the output format of the NVMe drive health log for the show command.