HITACHI
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# HA8000V シリーズ

# Service Pack for HA8000V (SPH)

# Version 7.43 7

# Readme

２０２６年３月

# 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。

## 1.1 他社所有名称に対する表示

HITACHI は、株式会社 日立製作所の商標または登録商標です。
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。
Intel、インテル、Xeon は、アメリカ合衆国およびその他の国における Intel Corporation の商標です。
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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。
- 上記に定めるほか、「外国為替及び外国貿易法」又は外国の輸出関連法規に定めがあるとき。

(7) マニュアル『HA8000V シリーズ 重要事項および読替ガイド』には、各種マニュアルをご覧いただく際、事前にご理解いただくべき内容を記載しています。こちらも合わせてご参照ください。マニュアルは『ドキュメントポータル』の「マニュアル ＞ サーバ」-「HA8000V シリーズ」より参照いただけます。

## 1.3 変更履歴

| 発行日 | 変更内容 |
|---|---|
| ２０２５年5月 | 初版 |
| ２０２５年6月 | サポートデバイス追加 |
| ２０２５年8月 | VMware ESXi™ 9.0 対応、誤記訂正 |
| ２０２５年１１月 | VMware® ESX 9.0 名称変更 |
| ２０２６年3月 | 誤記訂正 |

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

Service Pack for HA8000V(以降 SPH と呼びます)は、１台または複数台の HA8000V サーバのファームウェア/システムソフトウェアの更新を簡素化するソリューションです。
SPH には、サーバ/コントローラ/ストレージのファームウェア/ドライバ/ユーティリティパッケージが含まれます。また、SPH に収録されている Smart Update Manager(以降 SUM と呼びます)は、更新されたファームウェアおよびシステムソフトウェアをデプロイする推奨ツールです。
SPH/SUM を使うことで、ファームウェアおよびシステムソフトウェアのオンラインアップデートが可能となります。アップデート操作を SUM に統合することにより、個々の HA8000V サーバのアップデートが迅速になり、システム全体のアップデート時間を短縮することができます。

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

## 3. 適用機種及びＯＳ

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

### 3.1 適用機種

- HA8000V/DL20 Gen11 (U65)
- HA8000V/DL360 Gen11 (U54)
- HA8000V/DL380a Gen11 (U58)
- HA8000V/DL380 Gen11 (U54)
- HA8000V/DL320 Gen11 (U63)
- HA8000V/DL560 Gen11 (U59)
- HA8000V/ML30 Gen11 (U65)
- HA8000V/ML350 Gen11 (U54)

### 3.2 適用 OS

- Microsoft® Windows Server® 2025
- Microsoft® Windows Server® 2022
- Microsoft® Windows Server® 2019
- Red Hat® Enterprise Linux® Server 9.4
- Red Hat® Enterprise Linux® Server 8.10
- VMware® ESX 9.0
- VMware ESXi™ 8.0

# 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

『3 適用機種及びＯＳ』を参照してください。

(1) 追加サポート機種及びＯＳ

- 追加サポート機種

  なし

- 追加サポートＯＳ
  - Red Hat® Enterprise Linux® Server 9.4
  - Red Hat® Enterprise Linux® Server 8.10
  - VMware® ESX 9.0

(2) 追加サポートデバイス

- HPE MR408i-p Gen11 12G Controller Kit
- BCM 57608 100GbE 2p QSFP112 Adptr
- BCM 57608 100GbE 2p QSFP112 OCP3 Adptr

(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 8.9
  - VMware ESXi™ 7.0

# 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/更新対象が異なりますので、以下の表を参照の上、展開モードを決定してください。

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

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

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。)

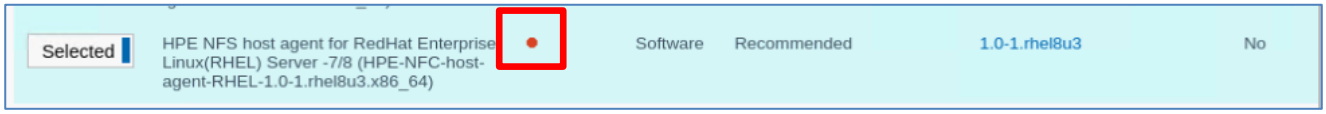
【注意】
ファームウェア/ドライバ/ユーティリティは、別途ご案内のない限り、最新のものをご使用いただくことを推奨しています。特に、強制適用を選択した場合、選択したバージョンが古いとダウングレードとなりますので、意図せずダウングレードしてしまうことが無いよう、操作には注意してください。

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。

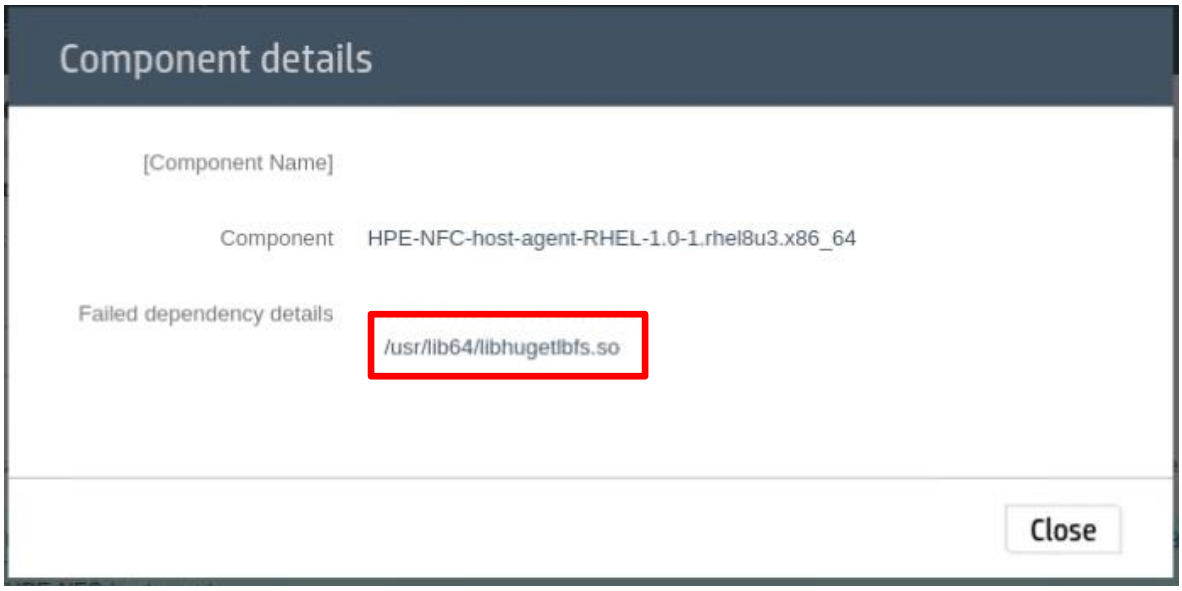
エラーが発生する場合、以降記述の各エラー表示例をご参照頂き、依存ファイルとして表示されるファイル/ライブラリをインストール後、再度 SPH を適用して下さい。

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。

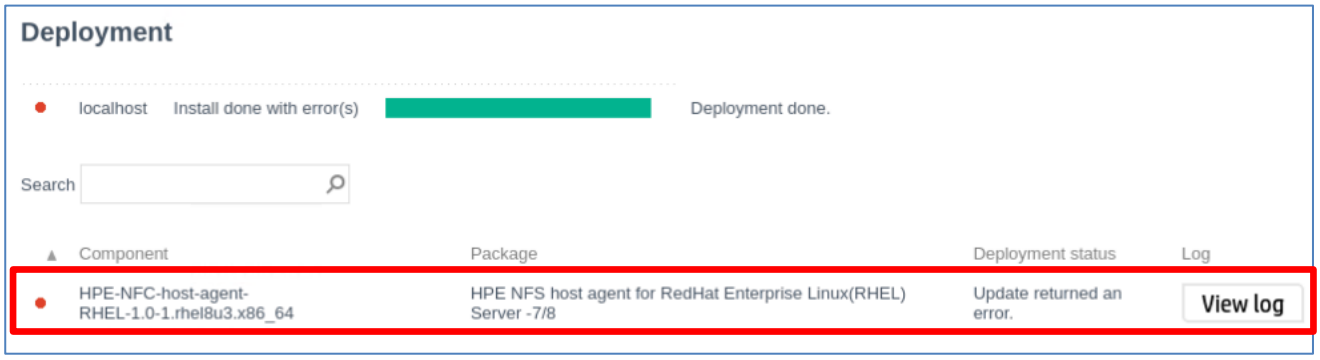



上記赤枠内の赤丸をダブルクリックすると次のダイアログが表示され、”Failed dependency details”として、インストールが必要となるファイル/ライブラリが表示されます。(赤枠内)

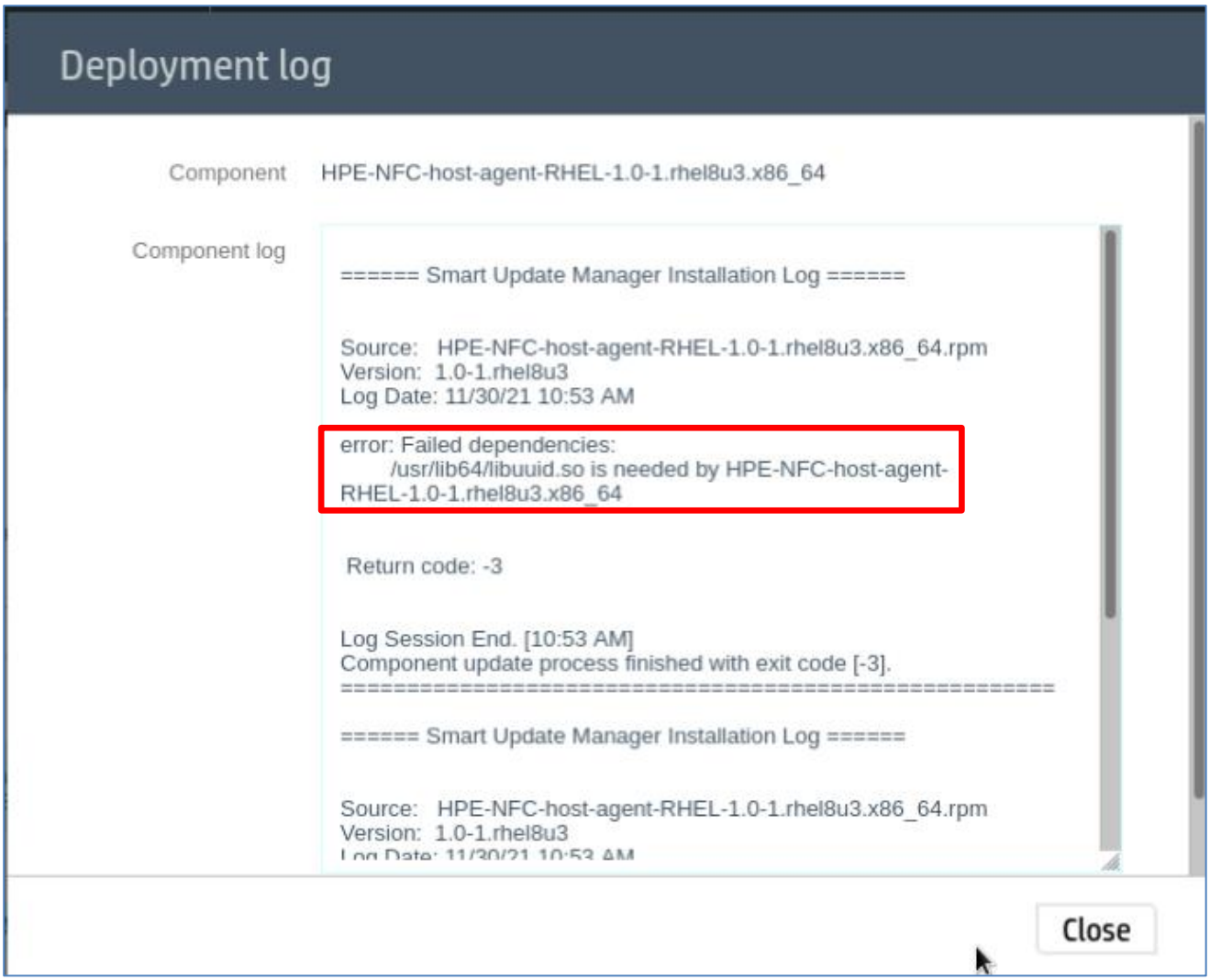



上記の例では、インストールが必要となるファイル/ライブラリとして、”libhugetlbfs.so”を示しています。

【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 6 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 6 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 オンライン SUM 実行中の OS 再起動について
オンラインにて SUM 実行中に、対象装置が自動的に OS 再起動することがあります。この場合、いくつかパッケージがアップデートされていない可能性がありますので、再度 SUM を実行して、残りのパッケージをアップデートしてください。
全てアップデートされているかの確認方法は、『5.3 (1) ファームウェア/ドライバの依存関係について』記載の手順を参考にしてください。

⑼ USB 起動媒体の作成について
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、『6.2.10 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 を使った OS のインストール又は SPH 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『6.2.8 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 6 Automatic Server Recovery Driver for Microsoft Windows Server 2019 |
| 2 | Windows Server 2022 | iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2022 |
| 3 | Windows Server 2025 | iLO 6 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™ 8.0 | cp064330.zip | sutComponent:800.6.0.0.37-*.zip |
| 2 | VMware® ESX 9.0 | | |

(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、ESXi 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

ESXi 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、ESXi ホスト上で以下を実行してください。

sut -set enableiloqueuedupdates=true

### 5.7.4　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。

## 5.10 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 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「6.2.6 Driver - Storage Controller」記載の各 OS に対応した 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 Gen11 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□□-P47184-B21 | SR932i-p Gen11 コントローラ | HPE SR932i-p Gen11 24G Controller Kit |
| TQ-R□□-P47789-B21 | MR216i-o Gen11 コントローラ | HPE MR216i-o Gen11 12G Controller Kit |
| TQ-R□□-P47785-B21 | MR216i-p Gen11 コントローラ | HPE MR216i-p Gen11 12G Controller Kit |
| TQ-R□□-P58335-B21 | MR408i-o Gen11 コントローラ | HPE MR408i-o Gen11 SPDM Storage Cntlr |
| TQ-R□□-P47781-B21 | MR416i-o Gen11 コントローラ | HPE MR416i-o Gen11 12G Controller Kit |
| TQ-R□□-P47777-B21 | MR416i-p Gen11 コントローラ | HPE MR416i-p Gen11 12G Controller Kit |
| TQ-R□□-P74775-B21 | MR408i-p Gen11 コントローラ | HPE MR408i-p Gen11 12G Controller Kit |

(*1)：□には製品構成などにより異なった英数字が入ります。

## 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 | 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】

- BCM 5719 1Gb 4p BASE-T Adptr
- BCM 5719 1Gb 4p BASE-T OCP Adptr
- Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE

(1) 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 6.0.0 for ESXi 8.0 and ESXi 9.0 | cp064330.zip | - | 2025.03.00 | 800.6.0.0.37-0 |
| 2 | Integrated Smart Update Tools for Linux x64 | sut-6.0.0-121.linux.x86_64.rpm | - | 6.0.0.0 | 6.0.0-121.linux |
| 3 | Integrated Smart Update Tools for Windows x64 | cp064332.exe | - | 6.0.0.0 | 6.0.0.0 |

### 6.2.2 BIOS - System ROM

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 4 | Online ROM Flash Component for Linux - System ROM U54 | firmware-system-oem-u54-2.48_2025_03_11-1.1.x86_64.rpm | System BIOS - U54 | 2.48_03-11-2025 | U54 v2.48 (03/11/2025) |
| 5 | Online ROM Flash Component for Linux - System ROM U58 | firmware-system-oem-u58-2.48_2025_03_11-1.1.x86_64.rpm | System BIOS - U58 | 2.48_03-11-2025 | U58 v2.48 (03/11/2025) |
| 6 | Online ROM Flash Component for Linux - System ROM U59 | firmware-system-oem-u59-2.48_2025_03_11-1.1.x86_64.rpm | System BIOS - U59 | 2.48_03-11-2025 | U59 v2.48 (03/11/2025) |
| 7 | Online ROM Flash Component for Linux - System ROM U63 | firmware-system-oem-u63-2.48_2025_03_11-1.1.x86_64.rpm | System BIOS - U63 | 2.48_03-11-2025 | U63 v2.48 (03/11/2025) |
| 8 | Online ROM Flash Component for Linux - System ROM U65 | firmware-system-oem-u65-2.14_2025_03_11-1.1.x86_64.rpm | System BIOS - U65 | 2.14_03-11-2025 | U65 v2.14 (03/11/2025) |
| 9 | Online ROM Flash Component for Windows x64 - System ROM U54 | cp066152.exe | System BIOS - U54 | 2.48_03-11-2025 | U54 v2.48 (03/11/2025) |
| 10 | Online ROM Flash Component for Windows x64 - System ROM U58 | cp066165.exe | System BIOS - U58 | 2.48_03-11-2025 | U58 v2.48 (03/11/2025) |
| 11 | Online ROM Flash Component for Windows x64 - System ROM U59 | cp066179.exe | System BIOS - U59 | 2.48_03-11-2025 | U59 v2.48 (03/11/2025) |
| 12 | Online ROM Flash Component for Windows x64 - System ROM U63 | cp066168.exe | System BIOS - U63 | 2.48_03-11-2025 | U63 v2.48 (03/11/2025) |
| 13 | Online ROM Flash Component for Windows x64 - System ROM U65 | cp066188.exe | System BIOS - U65 | 2.14_03-11-2025 | U65 v2.14 (03/11/2025) |
| 14 | ROM Flash Firmware Package - System ROM U54 | OEM.U54_2.48_03_11_2025.fwpkg | System BIOS - U54 | 2.48_03-11-2025 | U54 v2.48 (03/11/2025) |
| 15 | ROM Flash Firmware Package - System ROM U59 | OEM.U59_2.48_03_11_2025.fwpkg | System BIOS - U59 | 2.48_03-11-2025 | U59 v2.48 (03/11/2025) |
| 16 | ROM Flash Firmware Package - System ROM U63 | OEM.U63_2.48_03_11_2025.fwpkg | System BIOS - U63 | 2.48_03-11-2025 | U63 v2.48 (03/11/2025) |
| 17 | ROM Flash Firmware Package - System ROM U65 | OEM.U65_2.14_03_11_2025.fwpkg | System BIOS - U65 | 2.14_03-11-2025 | U65 v2.14 (03/11/2025) |

### 6.2.3 Driver – Chipset

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 18 | Identifiers for Intel Xeon E-24xx Processor for Microsoft Windows | cp062293.exe | - | 10.1.19886.8592 | 10.1.19886.8592 |
| 19 | Identifiers for Intel Xeon Scalable Processors (Fourth and Fifth Generation) for Microsoft Windows | cp065114.exe | - | 10.1.19879.8585 (B) | 10.1.19879.8585 |

### 6.2.4 Driver – Network

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 20 | Broadcom NX1 1Gb Driver for Windows Server x64 Editions | cp064528.exe | Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE | 221.0.7.0 (B) | 221.0.7.0 |
| 21 | Broadcom NX1 1Gb Driver for Windows Server x64 Editions | cp064528.exe | Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE | 221.0.7.0 (B) | 221.0.7.0 |
| 22 | Broadcom NX1 1Gb Driver for Windows Server x64 Editions | cp064528.exe | Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE | 221.0.7.0 (B) | 221.0.7.0 |
| 23 | Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022 | cp063726.exe | BCM 57414 10/25GbE 2p SFP28 Adptr | 232.0.155.7 | 232.0.155.7 |
| 24 | Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022 | cp063726.exe | BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr | 232.0.155.7 | 232.0.155.7 |
| 25 | Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022 | cp063726.exe | BCM 57416 10GbE 2p BASE-T Adptr | 232.0.155.7 | 232.0.155.7 |
| 26 | Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022 | cp063726.exe | BCM 57416 10GbE 2p BASE-T OCP3 Adptr | 232.0.155.7 | 232.0.155.7 |
| 27 | Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022 | cp063726.exe | BCM 57412 10GbE 2p SFP+ Adptr | 232.0.155.7 | 232.0.155.7 |
| 28 | Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022 | cp063726.exe | BCM 57412 10GbE 2p SFP+ OCP3 Adptr | 232.0.155.7 | 232.0.155.7 |
| 29 | Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022 | cp063726.exe | Broadcom NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr | 232.0.155.7 | 232.0.155.7 |
| 30 | Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022 | cp063726.exe | Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr | 232.0.155.7 | 232.0.155.7 |
| 31 | Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022 | cp063726.exe | BCM 57504 10/25GbE 4p SFP28 Adptr | 232.0.155.7 | 232.0.155.7 |
| 32 | Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022 | cp063726.exe | BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr | 232.0.155.7 | 232.0.155.7 |
| 33 | Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025 | cp063727.exe | BCM 57414 10/25GbE 2p SFP28 Adptr | 232.0.155.7 | 232.0.155.7 |
| 34 | Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025 | cp063727.exe | BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr | 232.0.155.7 | 232.0.155.7 |
| 35 | Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025 | cp063727.exe | BCM 57416 10GbE 2p BASE-T Adptr | 232.0.155.7 | 232.0.155.7 |
| 36 | Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025 | cp063727.exe | BCM 57416 10GbE 2p BASE-T OCP3 Adptr | 232.0.155.7 | 232.0.155.7 |
| 37 | Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025 | cp063727.exe | BCM 57412 10GbE 2p SFP+ Adptr | 232.0.155.7 | 232.0.155.7 |
| 38 | Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025 | cp063727.exe | BCM 57412 10GbE 2p SFP+ OCP3 Adptr | 232.0.155.7 | 232.0.155.7 |
| 39 | Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025 | cp063727.exe | Broadcom NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr | 232.0.155.7 | 232.0.155.7 |
| 40 | Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025 | cp063727.exe | Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr | 232.0.155.7 | 232.0.155.7 |
| 41 | Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025 | cp063727.exe | BCM 57504 10/25GbE 4p SFP28 Adptr | 232.0.155.7 | 232.0.155.7 |
| 42 | Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025 | cp063727.exe | BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr | 232.0.155.7 | 232.0.155.7 |
| 43 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8 | kmod-bnxt_en-1.10.3- | BCM 57414 10/25GbE 2p SFP28 Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.r |

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|---|---|---|---|---|---|
| | | 232.0.155.5.rhel8u9.x86_64.rpm | | | hel8u9 |
| 44 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm | BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel8u9 |
| 45 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm | BCM 57416 10GbE 2p BASE-T Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel8u9 |
| 46 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm | BCM 57416 10GbE 2p BASE-T OCP3 Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel8u9 |
| 47 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm | BCM 57412 10GbE 2p SFP+ Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel8u9 |
| 48 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm | BCM 57412 10GbE 2p SFP+ OCP3 Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel8u9 |
| 49 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm | BCM 57504 10/25GbE 4p SFP28 Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel8u9 |
| 50 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u9.x86_64.rpm | BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel8u9 |
| 51 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm | BCM 57414 10/25GbE 2p SFP28 Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel8u10 |
| 52 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm | BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel8u10 |
| 53 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm | BCM 57416 10GbE 2p BASE-T Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel8u10 |
| 54 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm | BCM 57416 10GbE 2p BASE-T OCP3 Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel8u10 |
| 55 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm | BCM 57412 10GbE 2p SFP+ Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel8u10 |
| 56 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm | BCM 57412 10GbE 2p SFP+ OCP3 Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel8u10 |
| 57 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm | BCM 57504 10/25GbE 4p SFP28 Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel8u10 |
| 58 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel8u10.x86_64.rpm | BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel8u10 |
| 59 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm | BCM 57414 10/25GbE 2p SFP28 Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel9u4 |

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|---|---|---|---|---|---|
| 60 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm | BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel9u4 |
| 61 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm | BCM 57416 10GbE 2p BASE-T Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel9u4 |
| 62 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm | BCM 57416 10GbE 2p BASE-T OCP3 Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel9u4 |
| 63 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm | BCM 57412 10GbE 2p SFP+ Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel9u4 |
| 64 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm | BCM 57412 10GbE 2p SFP+ OCP3 Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel9u4 |
| 65 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm | Broadcom NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel9u4 |
| 66 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm | Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel9u4 |
| 67 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm | BCM 57504 10/25GbE 4p SFP28 Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel9u4 |
| 68 | HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9 | kmod-bnxt_en-1.10.3-232.0.155.5.rhel9u4.x86_64.rpm | BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr | 1.10.3-232.0.155.5 | 1.10.3-232.0.155.5.rhel9u4 |
| 69 | HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0 | cp063725.zip | BCM 57414 10/25GbE 2p SFP28 Adptr | 2025.03.00 | 232.0.254.0-1OEM.800.1.0.20613240 |
| 70 | HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0 | cp063725.zip | BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr | 2025.03.00 | 232.0.254.0-1OEM.800.1.0.20613240 |
| 71 | HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0 | cp063725.zip | BCM 57416 10GbE 2p BASE-T Adptr | 2025.03.00 | 232.0.254.0-1OEM.800.1.0.20613240 |
| 72 | HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0 | cp063725.zip | BCM 57416 10GbE 2p BASE-T OCP3 Adptr | 2025.03.00 | 232.0.254.0-1OEM.800.1.0.20613240 |
| 73 | HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0 | cp063725.zip | BCM 57412 10GbE 2p SFP+ Adptr | 2025.03.00 | 232.0.254.0-1OEM.800.1.0.20613240 |
| 74 | HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0 | cp063725.zip | BCM 57412 10GbE 2p SFP+ OCP3 Adptr | 2025.03.00 | 232.0.254.0-1OEM.800.1.0.20613240 |
| 75 | HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0 | cp063725.zip | Broadcom NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr | 2025.03.00 | 232.0.254.0-1OEM.800.1.0.20613240 |
| 76 | HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0 | cp063725.zip | Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr | 2025.03.00 | 232.0.254.0-1OEM.800.1.0.20613240 |
| 77 | HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0 | cp063725.zip | BCM 57504 10/25GbE 4p SFP28 Adptr | 2025.03.00 | 232.0.254.0-1OEM.800.1.0.20613240 |
| 78 | HPE Broadcom NetXtreme-E Drivers for | cp063725.zip | BCM 57504 10/25GbE | 2025.03.00 | 232.0.254.0- |

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|---|---|---|---|---|---|
| | VMware vSphere 8.0 | | 4p SFP28 OCP3 Adptr | | 1OEM.800.1.0.20613240 |
| 79 | HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0 | cp063771.zip | BCM 57414 10/25GbE 2p SFP28 Adptr | 2025.03.00 | 2025.03.00 |
| 80 | HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0 | cp063771.zip | BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr | 2025.03.00 | 2025.03.00 |
| 81 | HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0 | cp063771.zip | BCM 57416 10GbE 2p BASE-T Adptr | 2025.03.00 | 2025.03.00 |
| 82 | HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0 | cp063771.zip | BCM 57416 10GbE 2p BASE-T OCP3 Adptr | 2025.03.00 | 2025.03.00 |
| 83 | HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0 | cp063771.zip | BCM 57412 10GbE 2p SFP+ Adptr | 2025.03.00 | 2025.03.00 |
| 84 | HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0 | cp063771.zip | BCM 57412 10GbE 2p SFP+ OCP3 Adptr | 2025.03.00 | 2025.03.00 |
| 85 | HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0 | cp063771.zip | Broadcom NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr | 2025.03.00 | 2025.03.00 |
| 86 | HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0 | cp063771.zip | Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr | 2025.03.00 | 2025.03.00 |
| 87 | HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0 | cp063771.zip | BCM 57504 10/25GbE 4p SFP28 Adptr | 2025.03.00 | 2025.03.00 |
| 88 | HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0 | cp063771.zip | BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr | 2025.03.00 | 2025.03.00 |
| 89 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10. | libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm | BCM 57414 10/25GbE 2p SFP28 Adptr | 232.0.155.5 | 232.0.155.5-rhel8u10 |
| 90 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10. | libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm | BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr | 232.0.155.5 | 232.0.155.5-rhel8u10 |
| 91 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10. | libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm | BCM 57416 10GbE 2p BASE-T Adptr | 232.0.155.5 | 232.0.155.5-rhel8u10 |
| 92 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10. | libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm | BCM 57416 10GbE 2p BASE-T OCP3 Adptr | 232.0.155.5 | 232.0.155.5-rhel8u10 |
| 93 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10. | libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm | BCM 57412 10GbE 2p SFP+ Adptr | 232.0.155.5 | 232.0.155.5-rhel8u10 |
| 94 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10. | libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm | BCM 57412 10GbE 2p SFP+ OCP3 Adptr | 232.0.155.5 | 232.0.155.5-rhel8u10 |
| 95 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10. | libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm | BCM 57504 10/25GbE 4p SFP28 Adptr | 232.0.155.5 | 232.0.155.5-rhel8u10 |
| 96 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10. | libbnxt_re-232.0.155.5-rhel8u10.x86_64.rpm | BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr | 232.0.155.5 | 232.0.155.5-rhel8u10 |
| 97 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9. | libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm | BCM 57414 10/25GbE 2p SFP28 Adptr | 232.0.155.5 | 232.0.155.5-rhel8u9 |
| 98 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9. | libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm | BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr | 232.0.155.5 | 232.0.155.5-rhel8u9 |
| 99 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9. | libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm | BCM 57416 10GbE 2p BASE-T Adptr | 232.0.155.5 | 232.0.155.5-rhel8u9 |
| 100 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9. | libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm | BCM 57416 10GbE 2p BASE-T OCP3 Adptr | 232.0.155.5 | 232.0.155.5-rhel8u9 |
| 101 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9. | libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm | BCM 57412 10GbE 2p SFP+ Adptr | 232.0.155.5 | 232.0.155.5-rhel8u9 |
| 102 | HPE Broadcom NetXtreme-E RoCE | libbnxt_re- | BCM 57412 10GbE 2p | 232.0.155.5 | 232.0.155.5- |

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| | Library for Red Hat Enterprise Linux 8 Update 9. | 232.0.155.5-rhel8u9.x86_64.rpm | SFP+ OCP3 Adptr | | rhel8u9 |
| 103 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9. | libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm | BCM 57504 10/25GbE 4p SFP28 Adptr | 232.0.155.5 | 232.0.155.5-rhel8u9 |
| 104 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 9. | libbnxt_re-232.0.155.5-rhel8u9.x86_64.rpm | BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr | 232.0.155.5 | 232.0.155.5-rhel8u9 |
| 105 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4. | libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm | BCM 57414 10/25GbE 2p SFP28 Adptr | 232.0.155.5 | 232.0.155.5-rhel9u4 |
| 106 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4. | libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm | BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr | 232.0.155.5 | 232.0.155.5-rhel9u4 |
| 107 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4. | libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm | BCM 57416 10GbE 2p BASE-T Adptr | 232.0.155.5 | 232.0.155.5-rhel9u4 |
| 108 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4. | libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm | BCM 57416 10GbE 2p BASE-T OCP3 Adptr | 232.0.155.5 | 232.0.155.5-rhel9u4 |
| 109 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4. | libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm | BCM 57412 10GbE 2p SFP+ Adptr | 232.0.155.5 | 232.0.155.5-rhel9u4 |
| 110 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4. | libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm | BCM 57412 10GbE 2p SFP+ OCP3 Adptr | 232.0.155.5 | 232.0.155.5-rhel9u4 |
| 111 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4. | libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm | Broadcom NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr | 232.0.155.5 | 232.0.155.5-rhel9u4 |
| 112 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4. | libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm | Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr | 232.0.155.5 | 232.0.155.5-rhel9u4 |
| 113 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4. | libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm | BCM 57504 10/25GbE 4p SFP28 Adptr | 232.0.155.5 | 232.0.155.5-rhel9u4 |
| 114 | HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4. | libbnxt_re-232.0.155.5-rhel9u4.x86_64.rpm | BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr | 232.0.155.5 | 232.0.155.5-rhel9u4 |
| 115 | HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8 | kmod-tg3-3.139q-1.rhel8u10.x86_64.rpm | Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE | 3.139q-1 | 3.139q-1.rhel8u10 |
| 116 | HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8 | kmod-tg3-3.139q-1.rhel8u10.x86_64.rpm | Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE | 3.139q-1 | 3.139q-1.rhel8u10 |
| 117 | HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8 | kmod-tg3-3.139q-1.rhel8u10.x86_64.rpm | Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE | 3.139q-1 | 3.139q-1.rhel8u10 |
| 118 | HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8 | kmod-tg3-3.139q-1.rhel8u9.x86_64.rpm | Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE | 3.139q-1 | 3.139q-1.rhel8u9 |
| 119 | HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8 | kmod-tg3-3.139q-1.rhel8u9.x86_64.rpm | Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE | 3.139q-1 | 3.139q-1.rhel8u9 |
| 120 | HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8 | kmod-tg3-3.139q-1.rhel8u9.x86_64.rpm | Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE | 3.139q-1 | 3.139q-1.rhel8u9 |
| 121 | HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9 | kmod-tg3-3.139q-1.rhel9u4.x86_64.rp | Broadcom BCM5719 Ethernet 1Gb 4-port | 3.139q-1 | 3.139q-1.rhel9u4 |

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| | | m | Base-T Adapter for HPE | | |
| 122 | HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9 | kmod-tg3-3.139q-1.rhel9u4.x86_64.rpm | Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE | 3.139q-1 | 3.139q-1.rhel9u4 |
| 123 | HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9 | kmod-tg3-3.139q-1.rhel9u4.x86_64.rpm | Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE | 3.139q-1 | 3.139q-1.rhel9u4 |
| 124 | HPE Intel iavf Drivers for Red Hat Enterprise Linux 8 | kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE | 4.12.5-1 | 4.12.5-1.rhel8u9 |
| 125 | HPE Intel iavf Drivers for Red Hat Enterprise Linux 8 | kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE | 4.12.5-1 | 4.12.5-1.rhel8u9 |
| 126 | HPE Intel iavf Drivers for Red Hat Enterprise Linux 8 | kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm | Intel E810-XXVDA2 adapter | 4.12.5-1 | 4.12.5-1.rhel8u9 |
| 127 | HPE Intel iavf Drivers for Red Hat Enterprise Linux 8 | kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm | Intel E810-XXVDA2 OCP3 adapter | 4.12.5-1 | 4.12.5-1.rhel8u9 |
| 128 | HPE Intel iavf Drivers for Red Hat Enterprise Linux 8 | kmod-hp-iavf-4.12.5-1.rhel8u9.x86_64.rpm | Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE | 4.12.5-1 | 4.12.5-1.rhel8u9 |
| 129 | HPE Intel iavf Drivers for Red Hat Enterprise Linux 8 | kmod-hp-iavf-4.12.5-1.rhel8u10.x86_64.rpm | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE | 4.12.5-1 | 4.12.5-1.rhel8u10 |
| 130 | HPE Intel iavf Drivers for Red Hat Enterprise Linux 8 | kmod-hp-iavf-4.12.5-1.rhel8u10.x86_64.rpm | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE | 4.12.5-1 | 4.12.5-1.rhel8u10 |
| 131 | HPE Intel iavf Drivers for Red Hat Enterprise Linux 8 | kmod-hp-iavf-4.12.5-1.rhel8u10.x86_64.rpm | Intel E810-XXVDA2 adapter | 4.12.5-1 | 4.12.5-1.rhel8u10 |
| 132 | HPE Intel iavf Drivers for Red Hat Enterprise Linux 8 | kmod-hp-iavf-4.12.5-1.rhel8u10.x86_64.rpm | Intel E810-XXVDA2 OCP3 adapter | 4.12.5-1 | 4.12.5-1.rhel8u10 |
| 133 | HPE Intel iavf Drivers for Red Hat Enterprise Linux 8 | kmod-hp-iavf-4.12.5-1.rhel8u10.x86_64.rpm | Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE | 4.12.5-1 | 4.12.5-1.rhel8u10 |
| 134 | HPE Intel iavf Drivers for Red Hat Enterprise Linux 9 | kmod-hp-iavf-4.12.5-1.rhel9u4.x86_64.rpm | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE | 4.12.5-1 (B) | 4.12.5-1.rhel9u4 |
| 135 | HPE Intel iavf Drivers for Red Hat Enterprise Linux 9 | kmod-hp-iavf-4.12.5-1.rhel9u4.x86_64.rpm | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE | 4.12.5-1 (B) | 4.12.5-1.rhel9u4 |
| 136 | HPE Intel iavf Drivers for Red Hat Enterprise Linux 9 | kmod-hp-iavf-4.12.5-1.rhel9u4.x86_64.rpm | Intel E810-XXVDA2 adapter | 4.12.5-1 (B) | 4.12.5-1.rhel9u4 |
| 137 | HPE Intel iavf Drivers for Red Hat Enterprise Linux 9 | kmod-hp-iavf-4.12.5-1.rhel9u4.x86_64.rpm | Intel E810-XXVDA2 OCP3 adapter | 4.12.5-1 (B) | 4.12.5-1.rhel9u4 |
| 138 | HPE Intel iavf Drivers for Red Hat Enterprise Linux 9 | kmod-hp-iavf-4.12.5-1.rhel9u4.x86_64.rpm | Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE | 4.12.5-1 (B) | 4.12.5-1.rhel9u4 |
| 139 | HPE Intel igb Drivers for Red Hat Enterprise Linux 8 | kmod-hp-igb-6.17.4-1.rhel8u9.x86_64.rp | Intel I350-T4 Ethernet 1Gb 4-port BASE-T | 6.17.4-1 | 6.17.4-1.rhel8u9 |

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| | | m | Adapter for HPE | | |
| 140 | HPE Intel igb Drivers for Red Hat Enterprise Linux 8 | kmod-hp-igb-6.17.4-1.rhel8u9.x86_64.rpm | Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE | 6.17.4-1 | 6.17.4-1.rhel8u9 |
| 141 | HPE Intel igb Drivers for Red Hat Enterprise Linux 8 | kmod-hp-igb-6.17.4-1.rhel8u10.x86_64.rpm | Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE | 6.17.4-1 | 6.17.4-1.rhel8u10 |
| 142 | HPE Intel igb Drivers for Red Hat Enterprise Linux 8 | kmod-hp-igb-6.17.4-1.rhel8u10.x86_64.rpm | Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE | 6.17.4-1 | 6.17.4-1.rhel8u10 |
| 143 | HPE Intel igb Drivers for Red Hat Enterprise Linux 9 | kmod-hp-igb-5.17.4-1.rhel9u4.x86_64.rpm | Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE | 5.17.4-1 | 5.17.4-1.rhel9u4 |
| 144 | HPE Intel igb Drivers for Red Hat Enterprise Linux 9 | kmod-hp-igb-5.17.4-1.rhel9u4.x86_64.rpm | Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE | 5.17.4-1 | 5.17.4-1.rhel9u4 |
| 145 | HPE Intel igbn Driver for VMware vSphere 8.0 | cp062161.zip | Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE | 2024.09.00 | 1.12.0.0-1OEM.800.1.0.20613240 |
| 146 | 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 |
| 147 | HPE Intel igbn Driver for VMware vSphere 9.0 | cp065455.zip | Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE | 2025.03.00 | 2025.03.00 |
| 148 | HPE Intel igbn Driver for VMware vSphere 9.0 | cp065455.zip | Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE | 2025.03.00 | 2025.03.00 |
| 149 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64) | kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm | MLX MCX631102 10/25GbE 2p SFP28 Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel8u10 |
| 150 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64) | kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm | MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel8u10 |
| 151 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64) | kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm | HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel8u10 |
| 152 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64) | kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm | HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel8u10 |
| 153 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64) | kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm | HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel8u10 |
| 154 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64) | mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm | MLX MCX631102 10/25GbE 2p SFP28 Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel8u10 |
| 155 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64) | mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm | MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel8u10 |
| 156 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64) | mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm | HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel8u10 |
| 157 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64) | mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm | HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel8u10 |
| 158 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX- | mlnx-ofa_kernel-24.10- | HPE IB HDR100/EN 100Gb 2p QSFP56 | 24.10-0.7.0.1 | 24.10-OFED.24.10.0. |

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| | 7 Driver for Red Hat Enterprise Linux 8 Update 10 (x86_64) | OFED.24.10.0.7.0.1.rhel8u10.x86_64.rpm | Adptr | | 7.0.1.rhel8u10 |
| 159 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64) | mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm | MLX MCX631102 10/25GbE 2p SFP28 Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel8u9 |
| 160 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64) | mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm | MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel8u9 |
| 161 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64) | mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm | HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel8u9 |
| 162 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64) | mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm | HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel8u9 |
| 163 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64) | mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm | HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel8u9 |
| 164 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64) | kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm | MLX MCX631102 10/25GbE 2p SFP28 Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel8u9 |
| 165 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64) | kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm | MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel8u9 |
| 166 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64) | kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm | HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel8u9 |
| 167 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64) | kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm | HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel8u9 |
| 168 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64) | kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel8u9.x86_64.rpm | HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel8u9 |
| 169 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64) | mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm | MLX MCX631102 10/25GbE 2p SFP28 Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel9u4 |
| 170 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64) | mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm | MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel9u4 |
| 171 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64) | mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm | HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel9u4 |
| 172 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64) | mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm | HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel9u4 |
| 173 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64) | mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm | HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel9u4 |
| 174 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64) | mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm | HPE IB NDR/EN 400G 1p OSFP Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel9u4 |

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| 175 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64) | mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm | HPE IB NDR200/EN 200G 1p OSFP Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel9u4 |
| 176 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64) | kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm | MLX MCX631102 10/25GbE 2p SFP28 Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel9u4 |
| 177 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64) | kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm | MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel9u4 |
| 178 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64) | kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm | HPE 100GbE 1p QSFP28 MCX515A-CCAT Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel9u4 |
| 179 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64) | kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm | HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel9u4 |
| 180 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64) | kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm | HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel9u4 |
| 181 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64) | kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm | HPE IB NDR/EN 400G 1p OSFP Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel9u4 |
| 182 | HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64) | kmod-mlnx-ofa_kernel-24.10-OFED.24.10.0.7.0.1.rhel9u4.x86_64.rpm | HPE IB NDR200/EN 200G 1p OSFP Adptr | 24.10-0.7.0.1 | 24.10-OFED.24.10.0.7.0.1.rhel9u4 |
| 183 | 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 |
| 184 | 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 |
| 185 | Intel i350 Driver for Windows Server 2022 | cp064927.exe | Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE | 14.0.5.0 (B) | 14.0.5.0 |
| 186 | Intel i350 Driver for Windows Server 2022 | cp064927.exe | Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE | 14.0.5.0 (B) | 14.0.5.0 |
| 187 | Intel i350 Driver for Windows Server 2025 | cp064592.exe | Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE | 14.1.5.0 | 14.1.5.0 |
| 188 | Intel i350 Driver for Windows Server 2025 | cp064592.exe | Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE | 14.1.5.0 | 14.1.5.0 |
| 189 | Intel ice Drivers for Red Hat Enterprise Linux 8 | kmod-ice-1.15.4-1.rhel8u10.x86_64.rpm | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE | 1.15.4-1 | 1.15.4-1.rhel8u10 |
| 190 | Intel ice Drivers for Red Hat Enterprise Linux 8 | kmod-ice-1.15.4-1.rhel8u10.x86_64.rpm | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE | 1.15.4-1 | 1.15.4-1.rhel8u10 |
| 191 | Intel ice Drivers for Red Hat Enterprise Linux 8 | kmod-ice-1.15.4-1.rhel8u10.x86_64.rpm | Intel E810-XXVDA2 adapter | 1.15.4-1 | 1.15.4-1.rhel8u10 |
| 192 | Intel ice Drivers for Red Hat Enterprise Linux 8 | kmod-ice-1.15.4-1.rhel8u10.x86_64.rpm | Intel E810-XXVDA2 OCP3 adapter | 1.15.4-1 | 1.15.4-1.rhel8u10 |
| 193 | Intel ice Drivers for Red Hat Enterprise Linux 8 | kmod-ice-1.15.4-1.rhel8u10.x86_64.rp | Intel E810-XXVDA4 Ethernet 10/25Gb 4- | 1.15.4-1 | 1.15.4-1.rhel8u10 |

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| | | m | port SFP28 Adapter for HPE | | |
| 194 | Intel ice Drivers for Red Hat Enterprise Linux 8 | kmod-ice-1.15.4-1.rhel8u9.x86_64.rpm | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE | 1.15.4-1 | 1.15.4-1.rhel8u9 |
| 195 | Intel ice Drivers for Red Hat Enterprise Linux 8 | kmod-ice-1.15.4-1.rhel8u9.x86_64.rpm | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE | 1.15.4-1 | 1.15.4-1.rhel8u9 |
| 196 | Intel ice Drivers for Red Hat Enterprise Linux 8 | kmod-ice-1.15.4-1.rhel8u9.x86_64.rpm | Intel E810-XXVDA2 adapter | 1.15.4-1 | 1.15.4-1.rhel8u9 |
| 197 | Intel ice Drivers for Red Hat Enterprise Linux 8 | kmod-ice-1.15.4-1.rhel8u9.x86_64.rpm | Intel E810-XXVDA2 OCP3 adapter | 1.15.4-1 | 1.15.4-1.rhel8u9 |
| 198 | Intel ice Drivers for Red Hat Enterprise Linux 8 | kmod-ice-1.15.4-1.rhel8u9.x86_64.rpm | Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE | 1.15.4-1 | 1.15.4-1.rhel8u9 |
| 199 | Intel ice Drivers for Red Hat Enterprise Linux 9 | kmod-ice-1.15.4-1.rhel9u4.x86_64.rpm | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE | 1.15.4-1 (B) | 1.15.4-1.rhel9u4 |
| 200 | Intel ice Drivers for Red Hat Enterprise Linux 9 | kmod-ice-1.15.4-1.rhel9u4.x86_64.rpm | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE | 1.15.4-1 (B) | 1.15.4-1.rhel9u4 |
| 201 | Intel ice Drivers for Red Hat Enterprise Linux 9 | kmod-ice-1.15.4-1.rhel9u4.x86_64.rpm | Intel E810-XXVDA2 adapter | 1.15.4-1 (B) | 1.15.4-1.rhel9u4 |
| 202 | Intel ice Drivers for Red Hat Enterprise Linux 9 | kmod-ice-1.15.4-1.rhel9u4.x86_64.rpm | Intel E810-XXVDA2 OCP3 adapter | 1.15.4-1 (B) | 1.15.4-1.rhel9u4 |
| 203 | Intel ice Drivers for Red Hat Enterprise Linux 9 | kmod-ice-1.15.4-1.rhel9u4.x86_64.rpm | Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE | 1.15.4-1 (B) | 1.15.4-1.rhel9u4 |
| 204 | Intel icea Driver for Microsoft Windows Server 2022 | cp064926.exe | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE | 1.15.121.0 (C) | 1.15.121.0 |
| 205 | Intel icea Driver for Microsoft Windows Server 2022 | cp064926.exe | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE | 1.15.121.0 (C) | 1.15.121.0 |
| 206 | Intel icea Driver for Microsoft Windows Server 2022 | cp064926.exe | Intel E810-XXVDA2 adapter | 1.15.121.0 (C) | 1.15.121.0 |
| 207 | Intel icea Driver for Microsoft Windows Server 2022 | cp064926.exe | Intel E810-XXVDA2 OCP3 adapter | 1.15.121.0 (C) | 1.15.121.0 |
| 208 | Intel icea Driver for Microsoft Windows Server 2022 | cp064926.exe | Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE | 1.15.121.0 (C) | 1.15.121.0 |
| 209 | Intel icea Driver for Microsoft Windows Server 2025 | cp065620.exe | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE | 1.15.302.0 (B) | 1.15.302.0 |
| 210 | Intel icea Driver for Microsoft Windows Server 2025 | cp065620.exe | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE | 1.15.302.0 (B) | 1.15.302.0 |
| 211 | Intel icea Driver for Microsoft Windows Server 2025 | cp065620.exe | Intel E810-XXVDA2 adapter | 1.15.302.0 (B) | 1.15.302.0 |
| 212 | Intel icea Driver for Microsoft Windows Server 2025 | cp065620.exe | Intel E810-XXVDA2 OCP3 adapter | 1.15.302.0 (B) | 1.15.302.0 |

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| 213 | Intel icea Driver for Microsoft Windows Server 2025 | cp065620.exe | Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE | 1.15.302.0 (B) | 1.15.302.0 |
| 214 | 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 |
| 215 | 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 |
| 216 | Intel icea Driver for Windows Server 2019 | cp061669.exe | Intel E810-XXVDA2 adapter | 1.15.121.0 | 1.15.121.0 |
| 217 | Intel icea Driver for Windows Server 2019 | cp061669.exe | Intel E810-XXVDA2 OCP3 adapter | 1.15.121.0 | 1.15.121.0 |
| 218 | 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 |
| 219 | Intel icen Driver for VMware vSphere 8.0 | cp065675.zip | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE | 2025.03.00 | 1.15.2.0-1OEM.800.1.0.20613240 |
| 220 | Intel icen Driver for VMware vSphere 8.0 | cp065675.zip | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE | 2025.03.00 | 1.15.2.0-1OEM.800.1.0.20613240 |
| 221 | Intel icen Driver for VMware vSphere 8.0 | cp065675.zip | Intel E810-XXVDA2 adapter | 2025.03.00 | 1.15.2.0-1OEM.800.1.0.20613240 |
| 222 | Intel icen Driver for VMware vSphere 8.0 | cp065675.zip | Intel E810-XXVDA2 OCP3 adapter | 2025.03.00 | 1.15.2.0-1OEM.800.1.0.20613240 |
| 223 | Intel icen Driver for VMware vSphere 8.0 | cp065675.zip | Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE | 2025.03.00 | 1.15.2.0-1OEM.800.1.0.20613240 |
| 224 | Intel icen Driver for VMware vSphere 9.0 | cp065336.zip | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE | 2025.03.00 | 2025.03.00 |
| 225 | Intel icen Driver for VMware vSphere 9.0 | cp065336.zip | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE | 2025.03.00 | 2025.03.00 |
| 226 | Intel icen Driver for VMware vSphere 9.0 | cp065336.zip | Intel E810-XXVDA2 adapter | 2025.03.00 | 2025.03.00 |
| 227 | Intel icen Driver for VMware vSphere 9.0 | cp065336.zip | Intel E810-XXVDA2 OCP3 adapter | 2025.03.00 | 2025.03.00 |
| 228 | Intel icen Driver for VMware vSphere 9.0 | cp065336.zip | Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE | 2025.03.00 | 2025.03.00 |
| 229 | Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019 | cp064497.exe | HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter | 24.10.26603.0 | 24.10.26603.0 |
| 230 | Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019 | cp064497.exe | MLX MCX631102 10/25GbE 2p SFP28 Adptr | 24.10.26603.0 | 24.10.26603.0 |
| 231 | Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2019 | cp064497.exe | MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr | 24.10.26603.0 | 24.10.26603.0 |
| 232 | Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022 | cp064498.exe | HPE Ethernet 100Gb 2-port QSFP56 | 24.10.26603.0 | 24.10.26603.0 |

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| | | | MCX623106AS-CDAT Adapter | | |
| 233 | Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022 | cp064498.exe | MLX MCX631102 10/25GbE 2p SFP28 Adptr | 24.10.26603.0 | 24.10.26603.0 |
| 234 | Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022 | cp064498.exe | MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr | 24.10.26603.0 | 24.10.26603.0 |
| 235 | Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2025 | cp064502.exe | HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter | 24.10.26603.0 | 24.10.26603.0 |
| 236 | Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2025 | cp064502.exe | MLX MCX631102 10/25GbE 2p SFP28 Adptr | 24.10.26603.0 | 24.10.26603.0 |
| 237 | Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2025 | cp064502.exe | MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr | 24.10.26603.0 | 24.10.26603.0 |

### 6.2.5 Driver - Security

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 238 | Intel QuickAssist Technology driver for Microsoft Windows | cp065115.exe | - | 2.3.0.6 (C) | 2.3.0.6 |

### 6.2.6 Driver - Storage Controller

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 239 | HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 8 | kmod-megaraid_sas-07.730.01.00_rhel8u9-2.x86_64.rpm | HPE_MR416i-o_Gen11 | 07.730.01.00 | 07.730.01.00_rhel8u9-2 |
| 240 | HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 8 | kmod-megaraid_sas-07.730.01.00_rhel8u9-2.x86_64.rpm | HPE_MR416i-p_Gen11 | 07.730.01.00 | 07.730.01.00_rhel8u9-2 |
| 241 | HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 8 | kmod-megaraid_sas-07.730.01.00_rhel8u9-2.x86_64.rpm | HPE_MR216i-o_Gen11 | 07.730.01.00 | 07.730.01.00_rhel8u9-2 |
| 242 | HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 8 | kmod-megaraid_sas-07.730.01.00_rhel8u9-2.x86_64.rpm | HPE_MR408i-o_Gen11 | 07.730.01.00 | 07.730.01.00_rhel8u9-2 |
| 243 | HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 8 | kmod-megaraid_sas-07.730.01.00_rhel8u9-2.x86_64.rpm | HPE_MR216i-p_Gen11 | 07.730.01.00 | 07.730.01.00_rhel8u9-2 |
| 244 | HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise | kmod-megaraid_sas-07.730.01.00_rhel8u9-2.x86_64.rpm | HPE_MR408i-p_Gen11 | 07.730.01.00 | 07.730.01.00_rhel8u9-2 |

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| | Linux 8 | | | | |
| 245 | HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 9 | kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm | HPE_MR416i-o_Gen11 | 07.730.01.00 (B) | 07.730.01.00_rhel9u4-2 |
| 246 | HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 9 | kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm | HPE_MR416i-p_Gen11 | 07.730.01.00 (B) | 07.730.01.00_rhel9u4-2 |
| 247 | HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 9 | kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm | HPE_MR216i-o_Gen11 | 07.730.01.00 (B) | 07.730.01.00_rhel9u4-2 |
| 248 | HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 9 | kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm | HPE_MR408i-o_Gen11 | 07.730.01.00 (B) | 07.730.01.00_rhel9u4-2 |
| 249 | HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 9 | kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm | HPE_MR216i-p_Gen11 | 07.730.01.00 (B) | 07.730.01.00_rhel9u4-2 |
| 250 | HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat Enterprise Linux 9 | kmod-megaraid_sas-07.730.01.00_rhel9u4-2.x86_64.rpm | HPE_MR408i-p_Gen11 | 07.730.01.00 (B) | 07.730.01.00_rhel9u4-2 |
| 251 | HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers Driver for Microsoft Windows 2019 edition | cp063729.exe | HPE_MR416i-o_Gen11 | 7.730.2.0 | 7.730.2.0 |
| 252 | HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers Driver for Microsoft Windows 2019 edition | cp063729.exe | HPE_MR416i-p_Gen11 | 7.730.2.0 | 7.730.2.0 |
| 253 | HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers Driver for Microsoft Windows 2019 edition | cp063729.exe | HPE_MR216i-o_Gen11 | 7.730.2.0 | 7.730.2.0 |
| 254 | HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers Driver for Microsoft Windows 2019 edition | cp063729.exe | HPE_MR408i-o_Gen11 | 7.730.2.0 | 7.730.2.0 |
| 255 | HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers Driver for Microsoft | cp063729.exe | HPE_MR216i-p_Gen11 | 7.730.2.0 | 7.730.2.0 |

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| | Windows 2019 edition | | | | |
| 256 | HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers Driver for Microsoft Windows 2019 edition | cp063729.exe | HPE_MR408i-p_Gen11 | 7.730.2.0 | 7.730.2.0 |
| 257 | HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2025 edition | cp065468.exe | HPE_MR416i-o_Gen11 | 7.730.2.0 (B) | 7.730.2.0 |
| 258 | HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2025 edition | cp065468.exe | HPE_MR416i-p_Gen11 | 7.730.2.0 (B) | 7.730.2.0 |
| 259 | HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2025 edition | cp065468.exe | HPE_MR216i-o_Gen11 | 7.730.2.0 (B) | 7.730.2.0 |
| 260 | HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2025 edition | cp065468.exe | HPE_MR408i-o_Gen11 | 7.730.2.0 (B) | 7.730.2.0 |
| 261 | HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2025 edition | cp065468.exe | HPE_MR216i-p_Gen11 | 7.730.2.0 (B) | 7.730.2.0 |
| 262 | HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2025 edition | cp065468.exe | HPE_MR408i-p_Gen11 | 7.730.2.0 (B) | 7.730.2.0 |
| 263 | HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0 | cp065469.zip | HPE_MR416i-o_Gen11 | 2025.01.01 (B) | 7.730.01.00-1OEM.800.1.0.20613240 |
| 264 | HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0 | cp065469.zip | HPE_MR416i-p_Gen11 | 2025.01.01 (B) | 7.730.01.00-1OEM.800.1.0.20613240 |
| 265 | HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0 | cp065469.zip | HPE_MR216i-o_Gen11 | 2025.01.01 (B) | 7.730.01.00-1OEM.800.1.0.20613240 |
| 266 | HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0 | cp065469.zip | HPE_MR408i-o_Gen11 | 2025.01.01 (B) | 7.730.01.00-1OEM.800.1.0.20613240 |
| 267 | HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen10P and Gen11 controller (64-bit) Driver for vSphere 8.0 | cp065469.zip | HPE_MR216i-p_Gen11 | 2025.01.01 (B) | 7.730.01.00-1OEM.800.1.0.20613240 |
| 268 | HPE MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen10P and Gen11 controller (64-bit) Driver for | cp065469.zip | HPE_MR408i-p_Gen11 | 2025.01.01 (B) | 7.730.01.00-1OEM.800.1.0.20613240 |

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| | vSphere 8.0 | | | | |
| 269 | HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component). | cp062918.zip | HPE Smart Array E208e-p SR Gen10 Controller | 2025.02.01 | 80.4704.0.108 - 1OEM.800.1.0 .20613240 |
| 270 | HPE ProLiant Gen10 Smart Array and Gen10 Plus and Gen11 Smart RAID Controller Driver for VMware vSphere 8.0 (Driver Component). | cp062918.zip | HPE SR932i-p Gen11 | 2025.02.01 | 80.4704.0.108 - 1OEM.800.1.0 .20613240 |
| 271 | HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit) | kmod-smartpqi-2.1.32-035.rhel8u9.x86_64.rpm | HPE Smart Array E208e-p SR Gen10 Controller | 2.1.32-035 | 2.1.32-035.rhel8u9 |
| 272 | HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit) | kmod-smartpqi-2.1.32-035.rhel8u9.x86_64.rpm | HPE SR932i-p Gen11 | 2.1.32-035 | 2.1.32-035.rhel8u9 |
| 273 | HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit) | kmod-smartpqi-2.1.32-035.rhel8u10.x86_64.rpm | HPE Smart Array E208e-p SR Gen10 Controller | 2.1.32-035 | 2.1.32-035.rhel8u10 |
| 274 | HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 8 (64-bit) | kmod-smartpqi-2.1.32-035.rhel8u10.x86_64.rpm | HPE SR932i-p Gen11 | 2.1.32-035 | 2.1.32-035.rhel8u10 |
| 275 | HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit) | kmod-smartpqi-2.1.32-035.rhel9u4.x86_64.rpm | HPE Smart Array E208e-p SR Gen10 Controller | 2.1.32-035 | 2.1.32-035.rhel9u4 |
| 276 | HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit) | kmod-smartpqi-2.1.32-035.rhel9u4.x86_64.rpm | HPE SR932i-p Gen11 | 2.1.32-035 | 2.1.32-035.rhel9u4 |
| 277 | HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019, Windows Server 2022 and Windows Server 2025 | cp062903.exe | HPE Smart Array E208e-p SR Gen10 Controller | 1016.10.0.1004 | 1016.10.0.1004 |
| 278 | HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019, Windows Server 2022 and Windows Server 2025 | cp062903.exe | HPE SR932i-p Gen11 | 1016.10.0.1004 | 1016.10.0.1004 |
| 279 | MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2022 edition | cp065467.exe | HPE_MR416i-o_Gen11 | 7.730.2.0 (B) | 7.730.2.0 |
| 280 | MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2022 edition | cp065467.exe | HPE_MR416i-p_Gen11 | 7.730.2.0 (B) | 7.730.2.0 |
| 281 | MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2022 edition | cp065467.exe | HPE_MR216i-o_Gen11 | 7.730.2.0 (B) | 7.730.2.0 |
| 282 | MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2022 edition | cp065467.exe | HPE_MR408i-o_Gen11 | 7.730.2.0 (B) | 7.730.2.0 |
| 283 | MR416i-p, MR416i-a, MR216i-p, | cp065467.exe | HPE_MR216i- | 7.730.2.0 | 7.730.2.0 |

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| | MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2022 edition | | p_Gen11 | (B) | |
| 284 | MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2022 edition | cp065467.exe | HPE_MR408i-p_Gen11 | 7.730.2.0 (B) | 7.730.2.0 |

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

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 285 | HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019 | cp065411.exe | HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter | 14.4.393.20 | 14.4.393.20 |
| 286 | HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019 | cp065411.exe | HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter | 14.4.393.20 | 14.4.393.20 |
| 287 | HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019 | cp065411.exe | HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter | 14.4.393.20 | 14.4.393.20 |
| 288 | HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2019 | cp065411.exe | HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter | 14.4.393.20 | 14.4.393.20 |
| 289 | HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022 | cp063399.exe | HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter | 14.4.393.20 | 14.4.393.20 |
| 290 | HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022 | cp063399.exe | HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter | 14.4.393.20 | 14.4.393.20 |
| 291 | HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022 | cp063399.exe | HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter | 14.4.393.20 | 14.4.393.20 |
| 292 | HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2022 | cp063399.exe | HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter | 14.4.393.20 | 14.4.393.20 |
| 293 | HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025 | cp063400.exe | HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter | 14.4.393.20 | 14.4.393.20 |
| 294 | HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025 | cp063400.exe | HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter | 14.4.393.20 | 14.4.393.20 |
| 295 | HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025 | cp063400.exe | HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter | 14.4.393.20 | 14.4.393.20 |
| 296 | HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025 | cp063400.exe | HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter | 14.4.393.20 | 14.4.393.20 |
| 297 | HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019 | cp065410.exe | HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter | 9.4.11.20 | 9.4.11.20 |
| 298 | HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2019 | cp065410.exe | HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter | 9.4.11.20 | 9.4.11.20 |
| 299 | HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for | cp064036.exe | HPE SN1610Q 32Gb 1-port Fibre Channel | 9.4.11.20 | 9.4.11.20 |

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| | Microsoft Windows Server 2022 | | Host Bus Adapter | | |
| 300 | HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2022 | cp064036.exe | HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter | 9.4.11.20 | 9.4.11.20 |
| 301 | HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025 | cp064037.exe | HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter | 9.4.11.20 | 9.4.11.20 |
| 302 | HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Microsoft Windows Server 2025 | cp064037.exe | HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter | 9.4.11.20 | 9.4.11.20 |
| 303 | Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters | kmod-elx-lpfc-14.4.329.9-1.rhel8u10.x86_64.rpm | HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter | 14.4.329.9 | 14.4.329.9-1.rhel8u10 |
| 304 | Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters | kmod-elx-lpfc-14.4.329.9-1.rhel8u10.x86_64.rpm | HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter | 14.4.329.9 | 14.4.329.9-1.rhel8u10 |
| 305 | Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters | kmod-elx-lpfc-14.4.329.9-1.rhel8u10.x86_64.rpm | HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter | 14.4.329.9 | 14.4.329.9-1.rhel8u10 |
| 306 | Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters | kmod-elx-lpfc-14.4.329.9-1.rhel8u10.x86_64.rpm | HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter | 14.4.329.9 | 14.4.329.9-1.rhel8u10 |
| 307 | Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters | kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel8u10.x86_64.rpm | HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter | 10.02.13.03-k1 | 10.02.13.03_k1-1.rhel8u10 |
| 308 | Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters | kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel8u10.x86_64.rpm | HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter | 10.02.13.03-k1 | 10.02.13.03_k1-1.rhel8u10 |
| 309 | 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 SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter | 14.4.329.9 | 14.4.329.9-1.rhel8u9 |
| 310 | 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 SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter | 14.4.329.9 | 14.4.329.9-1.rhel8u9 |
| 311 | 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 |
| 312 | 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 |
| 313 | Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapter | kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel8u9.x86_64.rpm | HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter | 10.02.13.03-k1 | 10.02.13.03_k1-1.rhel8u9 |
| 314 | Red Hat Enterprise Linux 8 Update 9 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapter | kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel8u9.x86_64.rpm | HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter | 10.02.13.03-k1 | 10.02.13.03_k1-1.rhel8u9 |
| 315 | Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters | kmod-elx-lpfc-14.4.329.9-1.rhel9u4.x86_64.rpm | HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter | 14.4.329.9 | 14.4.329.9-1.rhel9u4 |
| 316 | Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters | kmod-elx-lpfc-14.4.329.9-1.rhel9u4.x86_64.rpm | HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter | 14.4.329.9 | 14.4.329.9-1.rhel9u4 |

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| 317 | Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters | kmod-elx-lpfc-14.4.329.9-1.rhel9u4.x86_64.rpm | HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter | 14.4.329.9 | 14.4.329.9-1.rhel9u4 |
| 318 | Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters | kmod-elx-lpfc-14.4.329.9-1.rhel9u4.x86_64.rpm | HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter | 14.4.329.9 | 14.4.329.9-1.rhel9u4 |
| 319 | Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters | kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel9u4.x86_64.rpm | HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter | 10.02.13.03-k1 | 10.02.13.03_k1-1.rhel9u4 |
| 320 | Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters | kmod-qlgc-qla2xxx-10.02.13.03_k1-1.rhel9u4.x86_64.rpm | HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter | 10.02.13.03-k1 | 10.02.13.03_k1-1.rhel9u4 |

### 6.2.8 Driver - System Management

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 321 | Broadcom PCIe Switch Management Driver for Microsoft Windows Server 2019 | cp060564.exe | - | 2.61.54.0 (B) | 2.61.54.0 |
| 322 | iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2019 | cp059558.exe | - | 4.7.1.0 (D) | 4.7.1.0 |
| 323 | iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2022 | cp065117.exe | - | 4.7.1.0 (G) | 4.7.1.0 |
| 324 | iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2025 | cp065513.exe | - | 4.7.2.0 (C) | 4.7.2.0 |
| 325 | iLO 6 Channel Interface Driver for Microsoft Windows Server 2019 | cp059557.exe | - | 4.7.1.0 (D) | 4.7.1.0 |
| 326 | iLO 6 Channel Interface Driver for Microsoft Windows Server 2022 | cp065116.exe | - | 4.7.1.0 (G) | 4.7.1.0 |
| 327 | iLO 6 Channel Interface Driver for Microsoft Windows Server 2025 | cp065512.exe | - | 4.7.2.0 (C) | 4.7.2.0 |

### 6.2.9 Driver – Video

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 328 | Matrox G200eH3 Video Controller Driver for Microsoft Windows Server 2019, 2022 and 2025 | cp065118.exe | - | 9.15.1.268 (C) | 9.15.1.268 |

### 6.2.10 Firmware - Lights-Out Management

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 329 | Language Pack - Japanese | firmware-ilo6-lpk-ja-ri11-1.66-1.1.x86_64.rpm | - | 1.66 (A) | 1.66.05 |
| 330 | Online Flash Component for Windows x64 - HPE Integrated Lights-Out 6 Japanese Language Pack | cp066100.exe | - | 1.66 (A) | 1.66.05 Mar 06 2025 |
| 331 | Online ROM Flash Component for Linux - iLO 6 | firmware-ilo6-1.67-1.1.x86_64.rpm | - | 1.67 | 1.67 Feb 27 2025 |
| 332 | Online ROM Flash Component for Windows x64 - iLO 6 | cp064945.exe | - | 1.67 | 1.67 Feb 27 2025 |
| 333 | Online ROM Flash Firmware Package - iLO 6 | ilo6_167.fwpkg | - | 1.67 | 1.67 Feb 27 2025 |

### 6.2.11 Firmware – Network

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 334 | Broadcom Firmware Package for BCM5741x adapters | bcm232.1.132.8.pup.fwpkg | BCM 57414 10/25GbE 2p SFP28 Adptr | 232.1.132.8 | 232.1.132.8 |
| 335 | Broadcom Firmware Package for BCM5741x adapters | bcm232.1.132.8.pup.fwpkg | BCM 57414 10/25GbE 2p SFP28 OCP3 Adptr | 232.1.132.8 | 232.1.132.8 |
| 336 | Broadcom Firmware Package for BCM5741x adapters | bcm232.1.132.8.pup.fwpkg | BCM 57416 10GbE 2p BASE-T Adptr | 232.1.132.8 | 232.1.132.8 |
| 337 | Broadcom Firmware Package for BCM5741x adapters | bcm232.1.132.8.pup.fwpkg | BCM 57416 10GbE 2p BASE-T OCP3 Adptr | 232.1.132.8 | 232.1.132.8 |
| 338 | Broadcom Firmware Package for BCM5741x adapters | bcm232.1.132.8.pup.fwpkg | BCM 57412 10GbE 2p SFP+ Adptr | 232.1.132.8 | 232.1.132.8 |
| 339 | Broadcom Firmware Package for BCM5741x adapters | bcm232.1.132.8.pup.fwpkg | BCM 57412 10GbE 2p SFP+ OCP3 Adptr | 232.1.132.8 | 232.1.132.8 |
| 340 | Broadcom Firmware Package for BCM5750x adapters | bcm232.1.132.8_Thor.pup.fwpkg | BCM 57504 10/25GbE 4p SFP28 Adptr | 232.1.132.8 | 232.1.132.8 |
| 341 | Broadcom Firmware Package for BCM5750x adapters | bcm232.1.132.8_Thor.pup.fwpkg | BCM 57504 10/25GbE 4p SFP28 OCP3 Adptr | 232.1.132.8 | 232.1.132.8 |
| 342 | Broadcom Firmware Package for BCM57608 100GbE 2p Adapter | BCM232.1.132.8_BCM957608-P2100HQF00.fwpkg | Broadcom NetXtreme-E BCM57608 100GbE 2p QSFP112 Adptr | 232.1.132.8 (B) | 232.1.132.8 |
| 343 | Broadcom Firmware Package for BCM57608 100GbE 2p OCP3 Adapter | BCM232.1.132.8_BCM957608-N2100HQI00.fwpkg | Broadcom NetXtreme-E BCM57608 100GbE QSFP112 OCP3 Adptr | 232.1.132.8 (B) | 232.1.132.8 |
| 344 | Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64 | firmware-nic-bcm-open-2.40.0-1.1.x86_64.rpm | Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE | 2.40.0 | 20.32.41 |
| 345 | Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64 | firmware-nic-bcm-open-2.40.0-1.1.x86_64.rpm | Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE | 2.40.0 | 20.32.41 |
| 346 | Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64 | firmware-nic-bcm-open-2.40.0-1.1.x86_64.rpm | Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE | 2.40.0 | 20.32.41 |
| 347 | Broadcom NX1 Online Firmware Upgrade Utility for VMware | CP064518.zip | Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE | 1.41.0 | 20.32.41 |
| 348 | Broadcom NX1 Online Firmware Upgrade Utility for VMware | CP064518.zip | Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE | 1.41.0 | 20.32.41 |
| 349 | Broadcom NX1 Online Firmware Upgrade Utility for VMware | CP064518.zip | Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE | 1.41.0 | 20.32.41 |
| 350 | Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions | cp064520.exe | Broadcom BCM5719 Ethernet 1Gb 4-port Base-T Adapter for HPE | 5.4.4.0 | 20.32.41 |
| 351 | Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions | cp064520.exe | Broadcom BCM5719 Ethernet 1Gb 4-port Base-T OCP3 Adapter for HPE | 5.4.4.0 | 20.32.41 |
| 352 | Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions | cp064520.exe | Broadcom BCM5720 Ethernet 1Gb 2-port BASE-T LOM Adapter for HPE | 5.4.4.0 | 20.32.41 |
| 353 | Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 | HPE_E810_CQDA2_4p60_PLDMoMCTP_80 | Intel E810-CQDA2 Ethernet 100Gb 2- | 4.60 (B) | 4.60 |

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|---|---|---|---|---|---|
| | Adapter | 01E8B1.fwpkg | port QSFP28 Adapter for HPE | | |
| 354 | Intel Firmware Package For E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter | HPE_E810_CQDA2_OCP_4p60_NCSIwPLDMoMCTP_8001E8B5.fwpkg | Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE | 4.60 (B) | 4.60 |
| 355 | Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter | HPE_E810_XXVDA2_SD_4p60_PLDMoMCTP_8001E8B3.fwpkg | Intel E810-XXVDA2 adapter | 4.60 (B) | 4.60 |
| 356 | Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter | HPE_E810_XXVDA2_SD_OCP_4p60_NCSIwPLDMoMCTP_8001E8B0.fwpkg | Intel E810-XXVDA2 OCP3 adapter | 4.60 (B) | 4.60 |
| 357 | Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter | HPE_E810_XXVDA4_FH_4p60_PLDMoMCTP_8001E8B2.fwpkg | Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE | 4.60 (B) | 4.60 |
| 358 | Intel Online Firmware Upgrade Utility for Linux x86_64 | firmware-nic-is-intel-1.32.0-1.1.x86_64.rpm | Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE | 1.32.0 | 1.3682.0 |
| 359 | Intel Online Firmware Upgrade Utility for Linux x86_64 | firmware-nic-is-intel-1.32.0-1.1.x86_64.rpm | Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE | 1.32.0 | 1.3682.0 |
| 360 | Intel Online Firmware Upgrade Utility for VMware | CP065653.zip | Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE | 3.25.0 (B) | 1.3682.0 |
| 361 | Intel Online Firmware Upgrade Utility for VMware | CP065653.zip | Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE | 3.25.0 (B) | 1.3682.0 |
| 362 | Intel Online Firmware Upgrade Utility for Windows Server x64 Editions | cp065128.exe | Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter for HPE | 5.4.3.0 (B) | 1.3682.0 |
| 363 | Intel Online Firmware Upgrade Utility for Windows Server x64 Editions | cp065128.exe | Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter for HPE | 5.4.3.0 (B) | 1.3682.0 |
| 364 | Mellanox Firmware Package (FWPKG) - Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE | 26_43_1014-MCX631102AS-ADA_Ax.pldm.fwpkg | MLX MCX631102 10/25GbE 2p SFP28 Adptr | 26.43.1014 | 26.43.1014 |
| 365 | Mellanox Firmware Package (FWPKG) - Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE | 26_43_1014-MCX631432AS-ADA_Ax.pldm.fwpkg | MLX MCX6314 10/25GbE 2p SFP28 OCP3 Adptr | 26.43.1014 | 26.43.1014 |
| 366 | 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 |
| 367 | 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_43_1014-MCX653106A-ECA_HPE_Ax.pldm.fwpkg | HPE IB HDR100/EN 100Gb 2p QSFP56 Adptr | 20.43.1014 | 20.43.1014 |
| 368 | Mellanox Firmware Package (FWPKG) for Mellanox MCX623106AS-CDAT Ethernet 100Gb 2-port QSFP56 Adapter for HPE | 22_43_1014-MCX623106AS-CDA_Ax.pldm.fwpkg | HPE Ethernet 100Gb 2-port QSFP56 MCX623106AS-CDAT Adapter | 22.43.1014 | 22.43.1014 |
| 369 | NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Adapter : HPE part numbers P45641-B21 and P45641-H21 | 28_44_1036-MCX75310AAS-NEAT_HPE_Ax_Ax.pldm.fwpkg | HPE IB NDR 1p OSFP MCX75310AAS Adptr | 28.44.1036 | 28.44.1036 |
| 370 | NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR/Ethernet 400Gb 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Adapter : HPE part numbers P45641-B23 and P45641-H23 | 28_44_1036-MCX75310AAS-NEAT_HPE2_Ax.pldm.fwpkg | HPE IB NDR/EN 400G 1p OSFP Adptr | 28.44.1036 | 28.44.1036 |

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| 371 | NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Adapter : HPE part numbers P45642-B22 and P45642-H22 | 28_44_1036-MCX75310AAS-HEAT_HPE2_Ax.pldm.fwpkg | HPE IB NDR200/EN 200G 1p OSFP Adptr | 28.44.1036 | 28.44.1036 |

### 6.2.12 Firmware - PCIe NVMe Storage Disk

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 372 | Universal Firmware Package for Drives - VR000480KXNXE,VR000960KXNZU and VS001920KXNXF | Micron_7450_M7450ALLHPK4.fwpkg | VR000480KXNXE | HPK4 | HPK4 |
| 373 | Universal Firmware Package for Drives - VR000480KXNXE,VR000960KXNZU and VS001920KXNXF | Micron_7450_M7450ALLHPK4.fwpkg | VR000960KXNZU | HPK4 | HPK4 |
| 374 | Universal Firmware Package for Drives - VR000480KXNXE,VR000960KXNZU and VS001920KXNXF | Micron_7450_M7450ALLHPK4.fwpkg | VS001920KXNXF | HPK4 | HPK4 |
| 375 | Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm | KCD6XLUL7T68 | GPK7 (G) | GPK7 |
| 376 | Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm | KCD6XVUL6T40 | GPK7 (G) | GPK7 |
| 377 | Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm | KCD6XVUL1T60 | GPK7 (G) | GPK7 |
| 378 | Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm | KCD6XVUL800G | GPK7 (G) | GPK7 |
| 379 | Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm | KCD6XVUL3T20 | GPK7 (G) | GPK7 |
| 380 | Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm | KCD6XLUL960G | GPK7 (G) | GPK7 |
| 381 | Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, | firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm | KCD6XLUL1T92 | GPK7 (G) | GPK7 |

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|---|---|---|---|---|---|
| | KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | | | | |
| 382 | Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm | KCD6XLUL3T84 | GPK7 (G) | GPK7 |
| 383 | Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm | KCD6XVUL12T8 | GPK7 (G) | GPK7 |
| 384 | Online NVMe SSD Flash Component for Linux (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | firmware-hdd-6fc985bd3b-GPK7-7.1.x86_64.rpm | KCD6XLUL15T3 | GPK7 (G) | GPK7 |
| 385 | Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives | firmware-hdd-1a541ed00d-GPK5-7.1.x86_64.rpm | KCM6FRUL1T92 | GPK5 (G) | GPK5 |
| 386 | Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives | firmware-hdd-1a541ed00d-GPK5-7.1.x86_64.rpm | KCM6FRUL3T84 | GPK5 (G) | GPK5 |
| 387 | Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives | firmware-hdd-1a541ed00d-GPK5-7.1.x86_64.rpm | KCM6FVUL3T20 | GPK5 (G) | GPK5 |
| 388 | Online NVMe SSD Flash Component for Linux (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives | firmware-hdd-1a541ed00d-GPK5-7.1.x86_64.rpm | KCM6FVUL1T60 | GPK5 (G) | GPK5 |
| 389 | Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm | KCM6XRUL960G | GPK7 (G) | GPK7 |
| 390 | Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm | KCM6XRUL7T68 | GPK7 (G) | GPK7 |
| 391 | Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm | KCM6XRUL1T92 | GPK7 (G) | GPK7 |
| 392 | Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm | KCM6XVUL3T20 | GPK7 (G) | GPK7 |
| 393 | Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, | firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm | KCM6XRUL3T84 | GPK7 (G) | GPK7 |

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|---|---|---|---|---|---|
| | KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | | | | |
| 394 | Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm | KCM6XVUL800G | GPK7 (G) | GPK7 |
| 395 | Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm | KCM6XVUL6T40 | GPK7 (G) | GPK7 |
| 396 | Online NVMe SSD Flash Component for Linux (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | firmware-hdd-3815d4b024-GPK7-7.1.x86_64.rpm | KCM6XVUL1T60 | GPK7 (G) | GPK7 |
| 397 | Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives | firmware-hdd-a27c95663d-HPK6-2.1.x86_64.rpm | MO001600KYDMU | HPK6 (B) | HPK6 |
| 398 | Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives | firmware-hdd-a27c95663d-HPK6-2.1.x86_64.rpm | MO006400KYDND | HPK6 (B) | HPK6 |
| 399 | Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives | firmware-hdd-a27c95663d-HPK6-2.1.x86_64.rpm | VO015360KYDNB | HPK6 (B) | HPK6 |
| 400 | Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives | firmware-hdd-a27c95663d-HPK6-2.1.x86_64.rpm | VO007680KYDNA | HPK6 (B) | HPK6 |
| 401 | Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives | firmware-hdd-a27c95663d-HPK6-2.1.x86_64.rpm | MO003200KYDNC | HPK6 (B) | HPK6 |
| 402 | Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives | firmware-hdd-a27c95663d-HPK6-2.1.x86_64.rpm | VO001920KYDMT | HPK6 (B) | HPK6 |
| 403 | Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives | firmware-hdd-a27c95663d-HPK6-2.1.x86_64.rpm | VO003840KYDMV | HPK6 (B) | HPK6 |
| 404 | Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, | CP065951.zip | KCD6XLUL7T68 | GPK7 (C) | GPK7 |

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| | KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | | | | |
| 405 | Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | CP065951.zip | KCD6XVUL6T40 | GPK7 (C) | GPK7 |
| 406 | Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | CP065951.zip | KCD6XVUL1T60 | GPK7 (C) | GPK7 |
| 407 | Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | CP065951.zip | KCD6XVUL800G | GPK7 (C) | GPK7 |
| 408 | Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | CP065951.zip | KCD6XVUL3T20 | GPK7 (C) | GPK7 |
| 409 | Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | CP065951.zip | KCD6XVUL12T8 | GPK7 (C) | GPK7 |
| 410 | Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | CP065951.zip | KCD6XLUL960G | GPK7 (C) | GPK7 |
| 411 | Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | CP065951.zip | KCD6XLUL1T92 | GPK7 (C) | GPK7 |
| 412 | Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | CP065951.zip | KCD6XLUL3T84 | GPK7 (C) | GPK7 |
| 413 | Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and | CP065951.zip | KCD6XLUL15T3 | GPK7 (C) | GPK7 |

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| | KCD6XLUL15T3 Drives | | | | |
| 414 | Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives | CP065965.zip | KCM6FRUL1T92 | GPK5 (C) | GPK5 |
| 415 | Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives | CP065965.zip | KCM6FRUL3T84 | GPK5 (C) | GPK5 |
| 416 | Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives | CP065965.zip | KCM6FVUL3T20 | GPK5 (C) | GPK5 |
| 417 | Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives | CP065965.zip | KCM6FVUL1T60 | GPK5 (C) | GPK5 |
| 418 | Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | CP065953.zip | KCM6XRUL960G | GPK7 (C) | GPK7 |
| 419 | Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | CP065953.zip | KCM6XRUL7T68 | GPK7 (C) | GPK7 |
| 420 | Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | CP065953.zip | KCM6XRUL1T92 | GPK7 (C) | GPK7 |
| 421 | Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | CP065953.zip | KCM6XVUL3T20 | GPK7 (C) | GPK7 |
| 422 | Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | CP065953.zip | KCM6XRUL3T84 | GPK7 (C) | GPK7 |
| 423 | Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | CP065953.zip | KCM6XVUL800G | GPK7 (C) | GPK7 |
| 424 | Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | CP065953.zip | KCM6XVUL6T40 | GPK7 (C) | GPK7 |
| 425 | Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | CP065953.zip | KCM6XVUL1T60 | GPK7 (C) | GPK7 |
| 426 | Online NVMe SSD Flash Component for | CP065946.zip | VO001920KYDMT | HPK6 (B) | HPK6 |

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| | VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives | | | | |
| 427 | Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives | CP065946.zip | VO003840KYDMV | HPK6 (B) | HPK6 |
| 428 | Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives | CP065946.zip | MO001600KYDMU | HPK6 (B) | HPK6 |
| 429 | Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives | CP065946.zip | MO006400KYDND | HPK6 (B) | HPK6 |
| 430 | Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives | CP065946.zip | VO015360KYDNB | HPK6 (B) | HPK6 |
| 431 | Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives | CP065946.zip | VO007680KYDNA | HPK6 (B) | HPK6 |
| 432 | Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives | CP065946.zip | MO003200KYDNC | HPK6 (B) | HPK6 |
| 433 | Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | cp064858.exe | KCD6XLUL7T68 | GPK7 (C) | GPK7 |
| 434 | Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | cp064858.exe | KCD6XVUL6T40 | GPK7 (C) | GPK7 |
| 435 | Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | cp064858.exe | KCD6XVUL1T60 | GPK7 (C) | GPK7 |
| 436 | Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, | cp064858.exe | KCD6XVUL800G | GPK7 (C) | GPK7 |

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| | KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | | | | |
| 437 | Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | cp064858.exe | KCD6XVUL3T20 | GPK7 (C) | GPK7 |
| 438 | Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | cp064858.exe | KCD6XVUL12T8 | GPK7 (C) | GPK7 |
| 439 | Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | cp064858.exe | KCD6XLUL960G | GPK7 (C) | GPK7 |
| 440 | Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | cp064858.exe | KCD6XLUL1T92 | GPK7 (C) | GPK7 |
| 441 | Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | cp064858.exe | KCD6XLUL3T84 | GPK7 (C) | GPK7 |
| 442 | Online NVMe SSD Flash Component for Windows (x64) - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives | cp064858.exe | KCD6XLUL15T3 | GPK7 (C) | GPK7 |
| 443 | Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives | cp064861.exe | KCM6FRUL1T92 | GPK5 (C) | GPK5 |
| 444 | Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives | cp064861.exe | KCM6FRUL3T84 | GPK5 (C) | GPK5 |
| 445 | Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives | cp064861.exe | KCM6FVUL3T20 | GPK5 (C) | GPK5 |
| 446 | Online NVMe SSD Flash Component for Windows (x64) - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives | cp064861.exe | KCM6FVUL1T60 | GPK5 (C) | GPK5 |
| 447 | Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and | cp064859.exe | KCM6XRUL960G | GPK7 (C) | GPK7 |

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| | KCM6XRUL7T68 Drives | | | | |
| 448 | Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | cp064859.exe | KCM6XRUL7T68 | GPK7 (C) | GPK7 |
| 449 | Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | cp064859.exe | KCM6XRUL1T92 | GPK7 (C) | GPK7 |
| 450 | Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | cp064859.exe | KCM6XVUL3T20 | GPK7 (C) | GPK7 |
| 451 | Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | cp064859.exe | KCM6XRUL3T84 | GPK7 (C) | GPK7 |
| 452 | Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | cp064859.exe | KCM6XVUL800G | GPK7 (C) | GPK7 |
| 453 | Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | cp064859.exe | KCM6XVUL6T40 | GPK7 (C) | GPK7 |
| 454 | Online NVMe SSD Flash Component for Windows (x64) - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives | cp064859.exe | KCM6XVUL1T60 | GPK7 (C) | GPK7 |
| 455 | Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives | cp064857.exe | MO001600KYDMU | HPK6 (B) | HPK6 |
| 456 | Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives | cp064857.exe | MO006400KYDND | HPK6 (B) | HPK6 |
| 457 | Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives | cp064857.exe | VO015360KYDNB | HPK6 (B) | HPK6 |
| 458 | Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB | cp064857.exe | VO007680KYDNA | HPK6 (B) | HPK6 |

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|---|---|---|---|---|---|
| | Drives | | | | |
| 459 | Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives | cp064857.exe | MO003200KYDNC | HPK6 (B) | HPK6 |
| 460 | Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives | cp064857.exe | VO001920KYDMT | HPK6 (B) | HPK6 |
| 461 | Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives | cp064857.exe | VO003840KYDMV | HPK6 (B) | HPK6 |
| 462 | Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ | SKHynix_PE81X0_KPE81X0AHPK2.fwpkg | MO000800KXPRV | HPK2 | HPK2 |
| 463 | Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ | SKHynix_PE81X0_KPE81X0AHPK2.fwpkg | MO001600KXPTR | HPK2 | HPK2 |
| 464 | Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ | SKHynix_PE81X0_KPE81X0AHPK2.fwpkg | MO003200KXPTT | HPK2 | HPK2 |
| 465 | Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ | SKHynix_PE81X0_KPE81X0AHPK2.fwpkg | MO006400KXPTU | HPK2 | HPK2 |
| 466 | Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ | SKHynix_PE81X0_KPE81X0AHPK2.fwpkg | VO000960KXPRU | HPK2 | HPK2 |
| 467 | Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ | SKHynix_PE81X0_KPE81X0AHPK2.fwpkg | VO001920KXPTN | HPK2 | HPK2 |
| 468 | Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ | SKHynix_PE81X0_KPE81X0AHPK2.fwpkg | VO003840KXPTP | HPK2 | HPK2 |
| 469 | Universal Firmware Package for Drives - MO000800KXPRV, MO001600KXPTR, MO003200KXPTT, MO006400KXPTU, VO000960KXPRU, VO001920KXPTN, VO003840KXPTP and VO007680KXPTQ | SKHynix_PE81X0_KPE81X0AHPK2.fwpkg | VO007680KXPTQ | HPK2 | HPK2 |
| 470 | Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ | Kioxia_CD8_KACD8ALSHPK2.fwpkg | MO000800KXUJT | HPK2 | HPK2 |
| 471 | Universal Firmware Package for Drives - | Kioxia_CD8_KACD8AL | MO001600KXUJU | HPK2 | HPK2 |

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|---|---|---|---|---|---|
| | MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ | SHPK2.fwpkg | | | |
| 472 | Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ | Kioxia_CD8_KACD8ALSHPK2.fwpkg | MO003200KXUJV | HPK2 | HPK2 |
| 473 | Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ | Kioxia_CD8_KACD8ALSHPK2.fwpkg | MO006400KXUKA | HPK2 | HPK2 |
| 474 | Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ | Kioxia_CD8_KACD8ALSHPK2.fwpkg | VO000960KXUJN | HPK2 | HPK2 |
| 475 | Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ | Kioxia_CD8_KACD8ALSHPK2.fwpkg | VO001920KXUJP | HPK2 | HPK2 |
| 476 | Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ | Kioxia_CD8_KACD8ALSHPK2.fwpkg | VO003840KXUJQ | HPK2 | HPK2 |
| 477 | Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ | Kioxia_CD8_KACD8ALSHPK2.fwpkg | VO007680KXUJR | HPK2 | HPK2 |
| 478 | Universal Firmware Package for Drives - MO000800KXUJT, MO001600KXUJU, MO003200KXUJV, MO006400KXUKA, VO000960KXUJN, VO001920KXUJP, VO003840KXUJQ, VO007680KXUJR and VO015360KYGZQ | Kioxia_CD8_KACD8ALSHPK2.fwpkg | VO015360KYGZQ | HPK2 | HPK2 |
| 479 | Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP | Micron_7500_Micron_7500_M7500ALLHPK1.fwpkg | MO006400KYDZU | HPK1 | HPK1 |
| 480 | Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP | Micron_7500_Micron_7500_M7500ALLHPK1.fwpkg | MO003200KYDZT | HPK1 | HPK1 |
| 481 | Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP | Micron_7500_Micron_7500_M7500ALLHPK1.fwpkg | MO001600KYDZR | HPK1 | HPK1 |
| 482 | Universal Firmware Package for Drives - | Micron_7500_Micron | MO000800KYDZK | HPK1 | HPK1 |

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|---|---|---|---|---|---|
| | MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP | _7500_M7500ALLHPK1.fwpkg | | | |
| 483 | Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP | Micron_7500_Micron_7500_M7500ALLHPK1.fwpkg | VO007680KYDZP | HPK1 | HPK1 |
| 484 | Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP | Micron_7500_Micron_7500_M7500ALLHPK1.fwpkg | VO003840KYDZN | HPK1 | HPK1 |
| 485 | Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP | Micron_7500_Micron_7500_M7500ALLHPK1.fwpkg | VO001920KYDZL | HPK1 | HPK1 |
| 486 | Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP | Micron_7500_Micron_7500_M7500ALLHPK1.fwpkg | VO000960KYDZH | HPK1 | HPK1 |
| 487 | Universal Firmware Package for Drives - MO000800KYDZK, MO001600KYDZR, MO003200KYDZT, MO006400KYDZU, VO000960KYDZH, VO001920KYDZL, VO003840KYDZN, VO001536KYDZQ and VO007680KYDZP | Micron_7500_Micron_7500_M7500ALLHPK1.fwpkg | VO001536KYDZQ | HPK1 | HPK1 |
| 488 | Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC | Kioxia_CM7_KACM7ALSHPK3.fwpkg | MO001600KXVYH | HPK3 | HPK3 |
| 489 | Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC | Kioxia_CM7_KACM7ALSHPK3.fwpkg | MO003200KXVZD | HPK3 | HPK3 |
| 490 | Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC | Kioxia_CM7_KACM7ALSHPK3.fwpkg | MO006400KXVZE | HPK3 | HPK3 |
| 491 | Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC | Kioxia_CM7_KACM7ALSHPK3.fwpkg | VO001920KXVYF | HPK3 | HPK3 |
| 492 | Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC | Kioxia_CM7_KACM7ALSHPK3.fwpkg | VO003840KXVZA | HPK3 | HPK3 |
| 493 | Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC | Kioxia_CM7_KACM7ALSHPK3.fwpkg | VO007680KXVZB | HPK3 | HPK3 |
| 494 | Universal Firmware Package for Drives - | Kioxia_CM7_KACM7A | VO015360KXVZC | HPK3 | HPK3 |

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|---|---|---|---|---|---|
| | MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC | LSHPK3.fwpkg | | | |
| 495 | Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA | Solidigm_P5x20_4IAA HPK5.fwpkg | MO001600KZYWU | HPK5 | HPK5 |
| 496 | Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA | Solidigm_P5x20_4IAA HPK5.fwpkg | MO003200KZYXB | HPK5 | HPK5 |
| 497 | Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA | Solidigm_P5x20_4IAA HPK5.fwpkg | MO006400KZYXC | HPK5 | HPK5 |
| 498 | Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA | Solidigm_P5x20_4IAA HPK5.fwpkg | VO001920KZYWT | HPK5 | HPK5 |
| 499 | Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA | Solidigm_P5x20_4IAA HPK5.fwpkg | VO003840KZYWV | HPK5 | HPK5 |
| 500 | Universal Firmware Package for Drives - MO001600KZYWU, MO003200KZYXB, MO006400KZYXC, VO001920KZYWT, VO003840KZYWV and VO007680KZYXA | Solidigm_P5x20_4IAA HPK5.fwpkg | VO007680KZYXA | HPK5 | HPK5 |
| 501 | Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA | Kioxia_CM7_KACM7A LFHPK3.fwpkg | MO001600YXUJB | HPK3 | HPK3 |
| 502 | Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA | Kioxia_CM7_KACM7A LFHPK3.fwpkg | MO003200YXUJC | HPK3 | HPK3 |
| 503 | Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA | Kioxia_CM7_KACM7A LFHPK3.fwpkg | MO006400YXUJD | HPK3 | HPK3 |
| 504 | Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA | Kioxia_CM7_KACM7A LFHPK3.fwpkg | VO001920YXUHU | HPK3 | HPK3 |
| 505 | Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA | Kioxia_CM7_KACM7A LFHPK3.fwpkg | VO003840YXUHV | HPK3 | HPK3 |
| 506 | Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA | Kioxia_CM7_KACM7A LFHPK3.fwpkg | VO007680YXUJA | HPK3 | HPK3 |
| 507 | Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV | Kioxia_CD8P_KACD8A LEHPK3.fwpkg | VV015360LYHDC | HPK3 | HPK3 |
| 508 | Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV | Kioxia_CD8P_KACD8A LEHPK3.fwpkg | MV006400LYCBB | HPK3 | HPK3 |
| 509 | Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and | Kioxia_CD8P_KACD8A LEHPK3.fwpkg | MV003200LYCBA | HPK3 | HPK3 |

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| | VV007680LYCAV | | | | |
| 510 | Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV | Kioxia_CD8P_KACD8ALEHPK3.fwpkg | MV001600LYCBT | HPK3 | HPK3 |
| 511 | Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV | Kioxia_CD8P_KACD8ALEHPK3.fwpkg | VV001920LYCBR | HPK3 | HPK3 |
| 512 | Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV | Kioxia_CD8P_KACD8ALEHPK3.fwpkg | VV003840LYCAU | HPK3 | HPK3 |
| 513 | Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV | Kioxia_CD8P_KACD8ALEHPK3.fwpkg | VV007680LYCAV | HPK3 | HPK3 |
| 514 | Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH | Kioxia_CM7_KACM7ALEHPK6.fwpkg | MV003200LXUJK | HPK6 | HPK6 |
| 515 | Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH | Kioxia_CM7_KACM7ALEHPK6.fwpkg | MV006400LXUJL | HPK6 | HPK6 |
| 516 | Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH | Kioxia_CM7_KACM7ALEHPK6.fwpkg | VV003840LXUJE | HPK6 | HPK6 |
| 517 | Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH | Kioxia_CM7_KACM7ALEHPK6.fwpkg | VV007680LXUJF | HPK6 | HPK6 |
| 518 | Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH | Kioxia_CM7_KACM7ALEHPK6.fwpkg | VV015360LXUJH | HPK6 | HPK6 |
| 519 | Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA | Samsung_PM9A3_PM9A3U3HPK4.fwpkg | VK000960KYDPT | HPK4 | HPK4 |
| 520 | Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA | Samsung_PM9A3_PM9A3U3HPK4.fwpkg | VK001920KYDPU | HPK4 | HPK4 |
| 521 | Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA | Samsung_PM9A3_PM9A3U3HPK4.fwpkg | VK003840KYDPV | HPK4 | HPK4 |
| 522 | Universal Firmware Package for Drives - VK000960KYDPT, VK001920KYDPU, VK003840KYDPV and VK007680KYDQA | Samsung_PM9A3_PM9A3U3HPK4.fwpkg | VK007680KYDQA | HPK4 | HPK4 |
| 523 | Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB | Micron_7450_Micron_7450_M7450ALLHPS3.fwpkg | VO001920KXNZQ | HPS3 | HPS3 |
| 524 | Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB | Micron_7450_Micron_7450_M7450ALLHPS3.fwpkg | VO003840KXNZR | HPS3 | HPS3 |
| 525 | Universal Firmware Package for Drives - | Micron_7450_Micron | VO007680KXNZT | HPS3 | HPS3 |

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|---|---|---|---|---|---|
| | VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB | _7450_M7450ALLHPS3.fwpkg | | | |
| 526 | Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB | Micron_7450_Micron_7450_M7450ALLHPS3.fwpkg | MO000800KXNXH | HPS3 | HPS3 |
| 527 | Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB | Micron_7450_Micron_7450_M7450ALLHPS3.fwpkg | MO001600KXNZV | HPS3 | HPS3 |
| 528 | Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB | Micron_7450_Micron_7450_M7450ALLHPS3.fwpkg | MO003200KXPAA | HPS3 | HPS3 |
| 529 | Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB | Micron_7450_Micron_7450_M7450ALLHPS3.fwpkg | MO006400KXPAB | HPS3 | HPS3 |
| 530 | Universal Firmware Package for Drives - VO000960KXNXD, VO001920KXNZQ, VO003840KXNZR, VO007680KXNZT, MO000800KXNXH, MO001600KXNZV, MO003200KXPAA and MO006400KXPAB | Micron_7450_Micron_7450_M7450ALLHPS3.fwpkg | VO000960KXNXD | HPS3 | HPS3 |
| 531 | Universal Firmware Package for Drives - VR000480KXLXF | Samsung_PM9A3_PM9A3M2HPK3.fwpkg | VR000480KXLXF | HPK3 | HPK3 |
| 532 | Universal Firmware Package for Drives - VV001920LYDTT, VV003840LYDTU and VV007680LYDTV | Kioxia_CD7_KACD7ALSHPK6.fwpkg | VV001920LYDTT | HPK6 | HPK6 |
| 533 | Universal Firmware Package for Drives - VV001920LYDTT, VV003840LYDTU and VV007680LYDTV | Kioxia_CD7_KACD7ALSHPK6.fwpkg | VV003840LYDTU | HPK6 | HPK6 |
| 534 | Universal Firmware Package for Drives - VV001920LYDTT, VV003840LYDTU and VV007680LYDTV | Kioxia_CD7_KACD7ALSHPK6.fwpkg | VV007680LYDTV | HPK6 | HPK6 |
| 535 | Universal Firmware Package for Drives - VV003840KXNTH, VV007680KXNTN and VV015360KXNTP | Samsung_PM1743_GPM1743HPK6.fwpkg | VV003840KXNTH | HPK6 | HPK6 |
| 536 | Universal Firmware Package for Drives - VV003840KXNTH, VV007680KXNTN and VV015360KXNTP | Samsung_PM1743_GPM1743HPK6.fwpkg | VV007680KXNTN | HPK6 | HPK6 |
| 537 | Universal Firmware Package for Drives - VV003840KXNTH, VV007680KXNTN and VV015360KXNTP | Samsung_PM1743_GPM1743HPK6.fwpkg | VV015360KXNTP | HPK6 | HPK6 |
| 538 | Universal Firmware Package for Drives - VV003840KXWBF, VV007680KXWBL and VV015360KXWBN | Solidigm_P5x30_SP54304KHPK2.fwpkg | VV003840KXWBF | HPK2 | HPK2 |
| 539 | Universal Firmware Package for Drives - VV003840KXWBF, VV007680KXWBL and VV015360KXWBN | Solidigm_P5x30_SP54304KHPK2.fwpkg | VV007680KXWBL | HPK2 | HPK2 |
| 540 | Universal Firmware Package for Drives - VV003840KXWBF, VV007680KXWBL and VV015360KXWBN | Solidigm_P5x30_SP54304KHPK2.fwpkg | VV015360KXWBN | HPK2 | HPK2 |

### 6.2.13 Firmware - Power Management

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 541 | Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware | firmware-powerpic-1.0.4-3.1.x86_64.rpm | Gen11 Power Management Controller Firmware | 1.0.4 (C) | 1.0.4 |
| 542 | Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers | firmware-stm-gen11-1.2.2-4.1.x86_64.rpm | Gen11 Power Management Controller Firmware | 1.2.2 (D) | 1.2.2 |
| 543 | Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware | cp065601.exe | Gen11 Power Management Controller Firmware | 1.0.4 (C) | 1.0.4 |
| 544 | Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers | cp065608.exe | Gen11 Power Management Controller Firmware | 1.2.2 (C) | 1.2.2 |
| 545 | ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware | PICFW-1.0.4-1.fwpkg | Gen11 Power Management Controller Firmware | 1.0.4 | 1.0.4 |
| 546 | ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers | STMGen11-1.2.2-1.fwpkg | Gen11 Power Management Controller Firmware | 1.2.2 | 1.2.2 |

### 6.2.14 Firmware - SAS Storage Disk

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 547 | Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives | firmware-hdd-bdfb8e99d9-HPD8-4.1.x86_64.rpm | EG001200JWJNQ | HPD8 (D) | HPD8 |
| 548 | Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives | firmware-hdd-bdfb8e99d9-HPD8-4.1.x86_64.rpm | EG000600JWJNP | HPD8 (D) | HPD8 |
| 549 | Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives | firmware-hdd-bdfb8e99d9-HPD8-4.1.x86_64.rpm | EG001200MXJQU | HPD8 (D) | HPD8 |
| 550 | Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives | firmware-hdd-bdfb8e99d9-HPD8-4.1.x86_64.rpm | EG000600JXLVV | HPD8 (D) | HPD8 |
| 551 | Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives | firmware-hdd-bdfb8e99d9-HPD8-4.1.x86_64.rpm | EG001200JXLWA | HPD8 (D) | HPD8 |
| 552 | Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives | firmware-hdd-b1c9eaf74c-HPDA-5.1.x86_64.rpm | EG001800JWJNR | HPDA (E) | HPDA |
| 553 | Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives | firmware-hdd-b1c9eaf74c-HPDA-5.1.x86_64.rpm | EG002400JWJNT | HPDA (E) | HPDA |
| 554 | Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, | firmware-hdd-b1c9eaf74c-HPDA- | EG002400MXJQT | HPDA (E) | HPDA |

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| | EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives | 5.1.x86_64.rpm | | | |
| 555 | Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives | firmware-hdd-b1c9eaf74c-HPDA-5.1.x86_64.rpm | EG001800JXLWB | HPDA (E) | HPDA |
| 556 | Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives | firmware-hdd-b1c9eaf74c-HPDA-5.1.x86_64.rpm | EG002400JXLWC | HPDA (E) | HPDA |
| 557 | 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-HPD4-2.1.x86_64.rpm | EO000800PXDCK | HPD4 (B) | HPD4 |
| 558 | 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-HPD4-2.1.x86_64.rpm | MO000800PXDBP | HPD4 (B) | HPD4 |
| 559 | 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-HPD4-2.1.x86_64.rpm | EO000400PXDBQ | HPD4 (B) | HPD4 |
| 560 | 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-HPD4-2.1.x86_64.rpm | EO001600PXDCH | HPD4 (B) | HPD4 |
| 561 | 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-HPD4-2.1.x86_64.rpm | MO001600PXDCC | HPD4 (B) | HPD4 |
| 562 | 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-HPD4-2.1.x86_64.rpm | MO006400PXDCE | HPD4 (B) | HPD4 |
| 563 | Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, | firmware-hdd-42aff4675b-HPD4-2.1.x86_64.rpm | VO007680PXDBU | HPD4 (B) | HPD4 |

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|---|---|---|---|---|---|
| | VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | | | | |
| 564 | 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-HPD4-2.1.x86_64.rpm | VO001920PXDBR | HPD4 (B) | HPD4 |
| 565 | 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-HPD4-2.1.x86_64.rpm | MO003200PXDCD | HPD4 (B) | HPD4 |
| 566 | 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-HPD4-2.1.x86_64.rpm | VO015300PXDBV | HPD4 (B) | HPD4 |
| 567 | 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-HPD4-2.1.x86_64.rpm | VO000960PXDBN | HPD4 (B) | HPD4 |
| 568 | 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-HPD4-2.1.x86_64.rpm | VO003840PXDBT | HPD4 (B) | HPD4 |
| 569 | Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives | firmware-hdd-d7af557f47-HPD4-9.1.x86_64.rpm | MB002000JWFVN | HPD4 (I) | HPD4 |
| 570 | Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives | firmware-hdd-d7af557f47-HPD4-9.1.x86_64.rpm | MB004000JWFVP | HPD4 (I) | HPD4 |
| 571 | Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and MB004000JYDPB Drives | firmware-hdd-d4be2aecbb-HPD4-1.1.x86_64.rpm | MB004000JYDPB | HPD4 | HPD4 |
| 572 | Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and MB004000JYDPB Drives | firmware-hdd-d4be2aecbb-HPD4-1.1.x86_64.rpm | MB002000JYDNE | HPD4 | HPD4 |
| 573 | Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB and MB002000JWWQA Drives | firmware-hdd-adb3ab8147-HPD8-6.1.x86_64.rpm | MB004000JWWQB | HPD8 (F) | HPD8 |
| 574 | Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB and MB002000JWWQA Drives | firmware-hdd-adb3ab8147-HPD8-6.1.x86_64.rpm | MB002000JWWQA | HPD8 (F) | HPD8 |
| 575 | Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives | firmware-hdd-b04df66fe9-HPD3-2.1.x86_64.rpm | MB006000JYDNF | HPD3 (B) | HPD3 |
| 576 | Online HDD/SSD Flash Component for | firmware-hdd- | MB008000JYDPC | HPD3 (B) | HPD3 |

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| | Linux (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives | b04df66fe9-HPD3-2.1.x86_64.rpm | | | |
| 577 | Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives | firmware-hdd-b04df66fe9-HPD3-2.1.x86_64.rpm | MB010000JYDNH | HPD3 (B) | HPD3 |
| 578 | Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives | firmware-hdd-ae6b41e855-HPD8-6.1.x86_64.rpm | MB006000JWWQN | HPD8 (F) | HPD8 |
| 579 | Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN Drives | firmware-hdd-ae6b41e855-HPD8-6.1.x86_64.rpm | MB008000JWWQP | HPD8 (F) | HPD8 |
| 580 | Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives | firmware-hdd-cf0b6cabe1-HPD4-5.1.x86_64.rpm | MB010000JWZHA | HPD4 (E) | HPD4 |
| 581 | Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives | firmware-hdd-cf0b6cabe1-HPD4-5.1.x86_64.rpm | MB016000JWZHE | HPD4 (E) | HPD4 |
| 582 | Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives | firmware-hdd-cf0b6cabe1-HPD4-5.1.x86_64.rpm | MB014000JWZHC | HPD4 (E) | HPD4 |
| 583 | Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives | firmware-hdd-cf0b6cabe1-HPD4-5.1.x86_64.rpm | MB012000JWZHB | HPD4 (E) | HPD4 |
| 584 | Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives | firmware-hdd-8173816d98-HPD3-3.1.x86_64.rpm | MB010000JYDKK | HPD3 (C) | HPD3 |
| 585 | Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives | firmware-hdd-8173816d98-HPD3-3.1.x86_64.rpm | MB012000JYCJF | HPD3 (C) | HPD3 |
| 586 | Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives | firmware-hdd-8173816d98-HPD3-3.1.x86_64.rpm | MB014000JYCJV | HPD3 (C) | HPD3 |
| 587 | Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives | firmware-hdd-8173816d98-HPD3-3.1.x86_64.rpm | MB016000JYDKL | HPD3 (C) | HPD3 |
| 588 | Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives | firmware-hdd-8173816d98-HPD3-3.1.x86_64.rpm | MB018000JYDKN | HPD3 (C) | HPD3 |
| 589 | Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives | firmware-hdd-87b796d9ae-HPD4-3.1.x86_64.rpm | MB012000JZYVN | HPD4 (C) | HPD4 |
| 590 | Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives | firmware-hdd-87b796d9ae-HPD4-3.1.x86_64.rpm | MB014000JZYVP | HPD4 (C) | HPD4 |
| 591 | Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives | firmware-hdd-87b796d9ae-HPD4-3.1.x86_64.rpm | MB016000JZYVQ | HPD4 (C) | HPD4 |

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| 592 | Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives | firmware-hdd-87b796d9ae-HPD4-3.1.x86_64.rpm | MB018000JYCLK | HPD4 (C) | HPD4 |
| 593 | Online HDD/SSD Flash Component for Linux (x64) - MB014000JXUCC Drive | firmware-hdd-017797f12e-HPD4-4.1.x86_64.rpm | MB014000JXUCC | HPD4 (D) | HPD4 |
| 594 | Online HDD/SSD Flash Component for Linux (x64) - MB016000JWXKH Drive | firmware-hdd-8a0371a425-HPDC-1.1.x86_64.rpm | MB016000JWXKH | HPDC | HPDC |
| 595 | Online HDD/SSD Flash Component for Linux (x64) - MB016000JXLBA and MB018000JXLAU Drives | firmware-hdd-d550523365-HPD3-4.1.x86_64.rpm | MB016000JXLBA | HPD3 (D) | HPD3 |
| 596 | Online HDD/SSD Flash Component for Linux (x64) - MB016000JXLBA and MB018000JXLAU Drives | firmware-hdd-d550523365-HPD3-4.1.x86_64.rpm | MB018000JXLAU | HPD3 (D) | HPD3 |
| 597 | Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTH and MB020000JXMTP Drives | firmware-hdd-020fc874ad-HPD3-1.1.x86_64.rpm | MB020000JXMTP | HPD3 | HPD3 |
| 598 | Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTH and MB020000JXMTP Drives | firmware-hdd-020fc874ad-HPD3-1.1.x86_64.rpm | MB018000JXMTH | HPD3 | HPD3 |
| 599 | Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives | firmware-hdd-b04257b77b-HPDA-5.1.x86_64.rpm | MM1000JEFRB | HPDA (E) | HPDA |
| 600 | Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives | firmware-hdd-b04257b77b-HPDA-5.1.x86_64.rpm | MM2000JEFRC | HPDA (E) | HPDA |
| 601 | Online HDD/SSD Flash Component for Linux (x64) - MM1000JFJTH Drive | firmware-hdd-fa46c607d6-HPD5-5.1.x86_64.rpm | MM1000JFJTH | HPD5 (E) | HPD5 |
| 602 | Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives | firmware-hdd-8fafc9efb2-HPD8-3.1.x86_64.rpm | VO007680RWUFC | HPD8 (C) | HPD8 |
| 603 | Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives | firmware-hdd-8fafc9efb2-HPD8-3.1.x86_64.rpm | VO003840RWUFF | HPD8 (C) | HPD8 |
| 604 | Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives | firmware-hdd-8fafc9efb2-HPD8-3.1.x86_64.rpm | VO003840RWUFB | HPD8 (C) | HPD8 |
| 605 | Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives | firmware-hdd-8fafc9efb2-HPD8-3.1.x86_64.rpm | VO001920RWUFE | HPD8 (C) | HPD8 |
| 606 | Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives | firmware-hdd-8fafc9efb2-HPD8-3.1.x86_64.rpm | VO001920RWUFA | HPD8 (C) | HPD8 |
| 607 | Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and | firmware-hdd-8fafc9efb2-HPD8-3.1.x86_64.rpm | VO000960RWUFD | HPD8 (C) | HPD8 |

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| | VO003840RWUFF Drives | | | | |
| 608 | Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives | firmware-hdd-8fafc9efb2-HPD8-3.1.x86_64.rpm | VO000960RWUEV | HPD8 (C) | HPD8 |
| 609 | Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives | CP065996.zip | EG001200JWJNQ | HPD8 (C) | HPD8 |
| 610 | Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives | CP065996.zip | EG000600JWJNP | HPD8 (C) | HPD8 |
| 611 | Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives | CP065996.zip | EG001200MXJQU | HPD8 (C) | HPD8 |
| 612 | Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives | CP065996.zip | EG000600JXLVV | HPD8 (C) | HPD8 |
| 613 | Online HDD/SSD Flash Component for VMware ESXi - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives | CP065996.zip | EG001200JXLWA | HPD8 (C) | HPD8 |
| 614 | Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives | CP065998.zip | EG001800JWJNR | HPDA (D) | HPDA |
| 615 | Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives | CP065998.zip | EG002400JWJNT | HPDA (D) | HPDA |
| 616 | Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives | CP065998.zip | EG002400MXJQT | HPDA (D) | HPDA |
| 617 | Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives | CP065998.zip | EG001800JXLWB | HPDA (D) | HPDA |
| 618 | Online HDD/SSD Flash Component for VMware ESXi - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives | CP065998.zip | EG002400JXLWC | HPDA (D) | HPDA |
| 619 | Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | CP065931.zip | EO000800PXDCK | HPD4 (B) | HPD4 |
| 620 | Online HDD/SSD Flash Component for | CP065931.zip | MO000800PXDBP | HPD4 (B) | HPD4 |

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| | VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | | | | |
| 621 | Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | CP065931.zip | EO000400PXDBQ | HPD4 (B) | HPD4 |
| 622 | Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | CP065931.zip | EO001600PXDCH | HPD4 (B) | HPD4 |
| 623 | Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | CP065931.zip | MO001600PXDCC | HPD4 (B) | HPD4 |
| 624 | Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | CP065931.zip | MO006400PXDCE | HPD4 (B) | HPD4 |
| 625 | Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | CP065931.zip | VO007680PXDBU | HPD4 (B) | HPD4 |
| 626 | Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | CP065931.zip | VO001920PXDBR | HPD4 (B) | HPD4 |
| 627 | Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | CP065931.zip | VO015300PXDBV | HPD4 (B) | HPD4 |
| 628 | Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, | CP065931.zip | MO003200PXDCD | HPD4 (B) | HPD4 |

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|---|---|---|---|---|---|
| | MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | | | | |
| 629 | Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | CP065931.zip | VO000960PXDBN | HPD4 (B) | HPD4 |
| 630 | Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | CP065931.zip | VO003840PXDBT | HPD4 (B) | HPD4 |
| 631 | Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives | CP065988.zip | MB002000JWFVN | HPD4 (G) | HPD4 |
| 632 | Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP Drives | CP065988.zip | MB004000JWFVP | HPD4 (G) | HPD4 |
| 633 | Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives | CP065967.zip | MB004000JYDPB | HPD4 (B) | HPD4 |
| 634 | Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB Drives | CP065967.zip | MB002000JYDNE | HPD4 (B) | HPD4 |
| 635 | Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives | CP066009.zip | MB004000JWWQB | HPD8 (C) | HPD8 |
| 636 | Online HDD/SSD Flash Component for VMware ESXi - MB004000JWWQB and MB002000JWWQA Drives | CP066009.zip | MB002000JWWQA | HPD8 (C) | HPD8 |
| 637 | Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives | CP065960.zip | MB006000JYDNF | HPD3 (B) | HPD3 |
| 638 | Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives | CP065960.zip | MB008000JYDPC | HPD3 (B) | HPD3 |
| 639 | Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives | CP065960.zip | MB010000JYDNH | HPD3 (B) | HPD3 |
| 640 | Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives | CP066008.zip | MB006000JWWQN | HPD8 (C) | HPD8 |
| 641 | Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives | CP066008.zip | MB008000JWWQP | HPD8 (C) | HPD8 |
| 642 | Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives | CP066010.zip | MB010000JWZHA | HPD4 (C) | HPD4 |
| 643 | Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives | CP066010.zip | MB012000JWZHB | HPD4 (C) | HPD4 |
| 644 | Online HDD/SSD Flash Component for | CP066010.zip | MB016000JWZHE | HPD4 (C) | HPD4 |

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| | VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives | | | | |
| 645 | Online HDD/SSD Flash Component for VMware ESXi - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives | CP066010.zip | MB014000JWZHC | HPD4 (C) | HPD4 |
| 646 | Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives | CP065975.zip | MB010000JYDKK | HPD3 (C) | HPD3 |
| 647 | Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives | CP065975.zip | MB012000JYCJF | HPD3 (C) | HPD3 |
| 648 | Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives | CP065975.zip | MB014000JYCJV | HPD3 (C) | HPD3 |
| 649 | Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives | CP065975.zip | MB016000JYDKL | HPD3 (C) | HPD3 |
| 650 | Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives | CP065975.zip | MB018000JYDKN | HPD3 (C) | HPD3 |
| 651 | Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives | CP065973.zip | MB012000JZYVN | HPD4 (C) | HPD4 |
| 652 | Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives | CP065973.zip | MB014000JZYVP | HPD4 (C) | HPD4 |
| 653 | Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives | CP065973.zip | MB016000JZYVQ | HPD4 (C) | HPD4 |
| 654 | Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives | CP065973.zip | MB018000JYCLK | HPD4 (C) | HPD4 |
| 655 | Online HDD/SSD Flash Component for VMware ESXi - MB014000JXUCC Drive | CP065932.zip | MB014000JXUCC | HPD4 (C) | HPD4 |
| 656 | Online HDD/SSD Flash Component for VMware ESXi - MB016000JWXKH Drive | CP065940.zip | MB016000JWXKH | HPDC (B) | HPDC |
| 657 | Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives | CP065993.zip | MB016000JXLBA | HPD3 (C) | HPD3 |
| 658 | Online HDD/SSD Flash Component for VMware ESXi - MB016000JXLBA and MB018000JXLAU Drives | CP065993.zip | MB018000JXLAU | HPD3 (C) | HPD3 |
| 659 | Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives | CP065976.zip | MB018000JXMTH | HPD3 (B) | HPD3 |
| 660 | Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP Drives | CP065976.zip | MB020000JXMTP | HPD3 (B) | HPD3 |
| 661 | Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and | CP066004.zip | MM1000JEFRB | HPDA (E) | HPDA |

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| | MM2000JEFRC Drives | | | | |
| 662 | Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives | CP066004.zip | MM2000JEFRC | HPDA (E) | HPDA |
| 663 | Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH Drive | CP066005.zip | MM1000JFJTH | HPD5 (E) | HPD5 |
| 664 | Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives | CP065957.zip | VO007680RWUFC | HPD8 (C) | HPD8 |
| 665 | Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives | CP065957.zip | VO003840RWUFF | HPD8 (C) | HPD8 |
| 666 | Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives | CP065957.zip | VO003840RWUFB | HPD8 (C) | HPD8 |
| 667 | Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives | CP065957.zip | VO001920RWUFE | HPD8 (C) | HPD8 |
| 668 | Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives | CP065957.zip | VO001920RWUFA | HPD8 (C) | HPD8 |
| 669 | Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives | CP065957.zip | VO000960RWUFD | HPD8 (C) | HPD8 |
| 670 | Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives | CP065957.zip | VO000960RWUEV | HPD8 (C) | HPD8 |
| 671 | Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives | cp065043.exe | EG001200MXJQU | HPD8 (C) | HPD8 |
| 672 | Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives | cp065043.exe | EG000600JXLVV | HPD8 (C) | HPD8 |
| 673 | Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives | cp065043.exe | EG001200JXLWA | HPD8 (C) | HPD8 |
| 674 | Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, | cp065043.exe | EG000600JWJNP | HPD8 (C) | HPD8 |

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| | EG001200JXLWA and EG001200MXJQU Drives | | | | |
| 675 | Online HDD/SSD Flash Component for Windows (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU Drives | cp065043.exe | EG001200JWJNQ | HPD8 (C) | HPD8 |
| 676 | Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives | cp065045.exe | EG001800JWJNR | HPDA (D) | HPDA |
| 677 | Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives | cp065045.exe | EG002400JWJNT | HPDA (D) | HPDA |
| 678 | Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives | cp065045.exe | EG002400MXJQT | HPDA (D) | HPDA |
| 679 | Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives | cp065045.exe | EG001800JXLWB | HPDA (D) | HPDA |
| 680 | Online HDD/SSD Flash Component for Windows (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives | cp065045.exe | EG002400JXLWC | HPDA (D) | HPDA |
| 681 | Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | cp065078.exe | EO000800PXDCK | HPD4 (B) | HPD4 |
| 682 | Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | cp065078.exe | MO000800PXDBP | HPD4 (B) | HPD4 |
| 683 | Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | cp065078.exe | EO000400PXDBQ | HPD4 (B) | HPD4 |
| 684 | Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | cp065078.exe | EO001600PXDCH | HPD4 (B) | HPD4 |
| 685 | Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, | cp065078.exe | MO001600PXDCC | HPD4 (B) | HPD4 |

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| | EO000800PXDCK, EO001600PXDCH, MO0000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO0000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | | | | |
| 686 | Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO0000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO0000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | cp065078.exe | MO006400PXDCE | HPD4 (B) | HPD4 |
| 687 | Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO0000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO0000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | cp065078.exe | VO007680PXDBU | HPD4 (B) | HPD4 |
| 688 | Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO0000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO0000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | cp065078.exe | VO001920PXDBR | HPD4 (B) | HPD4 |
| 689 | Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO0000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO0000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | cp065078.exe | VO015300PXDBV | HPD4 (B) | HPD4 |
| 690 | Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO0000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO0000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | cp065078.exe | MO003200PXDCD | HPD4 (B) | HPD4 |
| 691 | Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO0000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO0000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | cp065078.exe | VO000960PXDBN | HPD4 (B) | HPD4 |
| 692 | Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO0000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO0000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV Drives | cp065078.exe | VO003840PXDBT | HPD4 (B) | HPD4 |
| 693 | Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives | cp065058.exe | MB002000JWFVN | HPD4 (G) | HPD4 |
| 694 | Online HDD/SSD Flash Component for | cp065058.exe | MB004000JWFVP | HPD4 (G) | HPD4 |

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| | Windows (x64) - MB002000JWFVN and MB004000JWFVP Drives | | | | |
| 695 | Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives | cp065085.exe | MB004000JYDPB | HPD4 (B) | HPD4 |
| 696 | Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB Drives | cp065085.exe | MB002000JYDNE | HPD4 (B) | HPD4 |
| 697 | Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives | cp065081.exe | MB004000JWWQB | HPD8 (D) | HPD8 |
| 698 | Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA Drives | cp065081.exe | MB002000JWWQA | HPD8 (D) | HPD8 |
| 699 | Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives | cp065084.exe | MB006000JYDNF | HPD3 (B) | HPD3 |
| 700 | Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives | cp065084.exe | MB008000JYDPC | HPD3 (B) | HPD3 |
| 701 | Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives | cp065084.exe | MB010000JYDNH | HPD3 (B) | HPD3 |
| 702 | Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives | cp065080.exe | MB006000JWWQN | HPD8 (D) | HPD8 |
| 703 | Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN Drives | cp065080.exe | MB008000JWWQP | HPD8 (D) | HPD8 |
| 704 | Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives | cp065082.exe | MB010000JWZHA | HPD4 (D) | HPD4 |
| 705 | Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives | cp065082.exe | MB012000JWZHB | HPD4 (D) | HPD4 |
| 706 | Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives | cp065082.exe | MB014000JWZHC | HPD4 (D) | HPD4 |
| 707 | Online HDD/SSD Flash Component for Windows (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE Drives | cp065082.exe | MB016000JWZHE | HPD4 (D) | HPD4 |
| 708 | Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives | cp063922.exe | MB010000JYDKK | HPD3 (C) | HPD3 |
| 709 | Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives | cp063922.exe | MB012000JYCJF | HPD3 (C) | HPD3 |
| 710 | Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives | cp063922.exe | MB014000JYCJV | HPD3 (C) | HPD3 |
| 711 | Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, | cp063922.exe | MB016000JYDKL | HPD3 (C) | HPD3 |

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| | MB016000JYDKL and MB018000JYDKN Drives | | | | |
| 712 | Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives | cp063922.exe | MB018000JYDKN | HPD3 (C) | HPD3 |
| 713 | Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives | cp065024.exe | MB012000JZYVN | HPD4 (C) | HPD4 |
| 714 | Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives | cp065024.exe | MB014000JZYVP | HPD4 (C) | HPD4 |
| 715 | Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives | cp065024.exe | MB016000JZYVQ | HPD4 (C) | HPD4 |
| 716 | Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK Drives | cp065024.exe | MB018000JYCLK | HPD4 (C) | HPD4 |
| 717 | Online HDD/SSD Flash Component for Windows (x64) - MB014000JXUCC Drive | cp065036.exe | MB014000JXUCC | HPD4 (C) | HPD4 |
| 718 | Online HDD/SSD Flash Component for Windows (x64) - MB016000JWXKH Drive | cp065031.exe | MB016000JWXKH | HPDC (B) | HPDC |
| 719 | Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives | cp065020.exe | MB016000JXLBA | HPD3 (C) | HPD3 |
| 720 | Online HDD/SSD Flash Component for Windows (x64) - MB016000JXLBA and MB018000JXLAU Drives | cp065020.exe | MB018000JXLAU | HPD3 (C) | HPD3 |
| 721 | Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives | cp065087.exe | MB020000JXMTP | HPD3 (B) | HPD3 |
| 722 | Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP Drives | cp065087.exe | MB018000JXMTH | HPD3 (B) | HPD3 |
| 723 | Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives | cp065063.exe | MM1000JEFRB | HPDA (E) | HPDA |
| 724 | Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives | cp065063.exe | MM2000JEFRC | HPDA (E) | HPDA |
| 725 | Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH Drive | cp065064.exe | MM1000JFJTH | HPD5 (E) | HPD5 |
| 726 | Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives | cp065077.exe | VO007680RWUFC | HPD8 (C) | HPD8 |
| 727 | Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives | cp065077.exe | VO003840RWUFF | HPD8 (C) | HPD8 |
| 728 | Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives | cp065077.exe | VO003840RWUFB | HPD8 (C) | HPD8 |

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| 729 | Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives | cp065077.exe | VO001920RWUFE | HPD8 (C) | HPD8 |
| 730 | Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives | cp065077.exe | VO001920RWUFA | HPD8 (C) | HPD8 |
| 731 | Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives | cp065077.exe | VO000960RWUFD | HPD8 (C) | HPD8 |
| 732 | Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF Drives | cp065077.exe | VO000960RWUEV | HPD8 (C) | HPD8 |
| 733 | Universal Firmware Package for Drives - MB004000JWZVU | Toshiba_MG08Air_TAMG08SDAnD3.fwpkg | MB004000JWZVU | HPD3 (B) | HPD3 |
| 734 | Universal Firmware Package for Drives - MB006000JWZVQ and MB008000JWZVR | Toshiba_MG08Air_TAMG08SDAeD3.fwpkg | MB006000JWZVQ | HPD3 (B) | HPD3 |
| 735 | Universal Firmware Package for Drives - MB006000JWZVQ and MB008000JWZVR | Toshiba_MG08Air_TAMG08SDAeD3.fwpkg | MB008000JWZVR | HPD3 (B) | HPD3 |
| 736 | Universal Firmware Package for Drives - MB020000JXMVU | WDC_ParisD_WparisdASFD1.fwpkg | MB020000JXMVU | HPD1 (B) | HPD1 |
| 737 | Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD | Seagate_Summit_SUMMITSUSND1.fwpkg | MB12000JYESN | HPD1 (B) | HPD1 |
| 738 | Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD | Seagate_Summit_SUMMITSUSND1.fwpkg | MB16000JYEVC | HPD1 (B) | HPD1 |
| 739 | Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD | Seagate_Summit_SUMMITSUSND1.fwpkg | MB20000JYEVD | HPD1 (B) | HPD1 |
| 740 | Universal Firmware Package for Drives - MB24000JYEVE | Seagate_Summit_SUMMITSUSSD1.fwpkg | MB24000JYEVE | HPD1 (B) | HPD1 |
| 741 | Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE | Seagate_LangeBP_SLNGBPHPESD5.fwpkg | MO000960RXKRC | HPD5 (B) | HPD5 |
| 742 | Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE | Seagate_LangeBP_SLNGBPHPESD5.fwpkg | MO001920RXKRH | HPD5 (B) | HPD5 |
| 743 | Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE | Seagate_LangeBP_SLNGBPHPESD5.fwpkg | MO003840RXKRK | HPD5 (B) | HPD5 |
| 744 | Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE | Seagate_LangeBP_SLNGBPHPESD5.fwpkg | VO000960RXKRB | HPD5 (B) | HPD5 |
| 745 | Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE | Seagate_LangeBP_SLNGBPHPESD5.fwpkg | VO001920RXKRD | HPD5 (B) | HPD5 |
| 746 | Universal Firmware Package for Drives - | Seagate_LangeBP_SL | VO003840RXKRE | HPD5 (B) | HPD5 |

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| | MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE | NGBPHPESD5.fwpkg | | | |
| 747 | Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD | Seagate_Cooper_SCOOPRHPESD4.fwpkg | MO000960RXRQK | HPD4 (B) | HPD4 |
| 748 | Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD | Seagate_Cooper_SCOOPRHPESD4.fwpkg | MO001920RXRRH | HPD4 (B) | HPD4 |
| 749 | Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD | Seagate_Cooper_SCOOPRHPESD4.fwpkg | MO003840RXRRK | HPD4 (B) | HPD4 |
| 750 | Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD | Seagate_Cooper_SCOOPRHPESD4.fwpkg | VO000960RXRQL | HPD4 (B) | HPD4 |
| 751 | Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD | Seagate_Cooper_SCOOPRHPESD4.fwpkg | VO001920RXRRL | HPD4 (B) | HPD4 |
| 752 | Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD | Seagate_Cooper_SCOOPRHPESD4.fwpkg | VO003840RXRRN | HPD4 (B) | HPD4 |
| 753 | Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD | Seagate_Cooper_SCOOPRHPESD4.fwpkg | VO007680RYEWD | HPD4 (B) | HPD4 |
| 754 | Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU | Kioxia_PM7_KAPM7ALSHPD2.fwpkg | VO015360PXMTU | HPD2 (B) | HPD2 |
| 755 | Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU | Kioxia_PM7_KAPM7ALSHPD2.fwpkg | VO007680PXMTT | HPD2 (B) | HPD2 |
| 756 | Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU | Kioxia_PM7_KAPM7ALSHPD2.fwpkg | VO003840PXMTR | HPD2 (B) | HPD2 |
| 757 | Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU | Kioxia_PM7_KAPM7ALSHPD2.fwpkg | VO001920PXMTL | HPD2 (B) | HPD2 |
| 758 | Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU | Kioxia_PM7_KAPM7ALSHPD2.fwpkg | MO006400PXMUA | HPD2 (B) | HPD2 |
| 759 | Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, | Kioxia_PM7_KAPM7ALSHPD2.fwpkg | MO003200PXMTV | HPD2 (B) | HPD2 |

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| | VO003840PXMTR, VO007680PXMTT and VO015360PXMTU | | | | |
| 760 | Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU | Kioxia_PM7_KAPM7ALSHPD2.fwpkg | MO001600PXMTN | HPD2 (B) | HPD2 |
| 761 | Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA | Samsung_PM165X_GPM1655SAMD3.fwpkg | MO001600PZWSH | HPD3 (B) | HPD3 |
| 762 | Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA | Samsung_PM165X_GPM1655SAMD3.fwpkg | MO003200PZWSK | HPD3 (B) | HPD3 |
| 763 | Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA | Samsung_PM165X_GPM1655SAMD3.fwpkg | MO000800PZWSF | HPD3 (B) | HPD3 |
| 764 | Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA | Samsung_PM165X_GPM1655SAMD3.fwpkg | MO006400PZXFA | HPD3 (B) | HPD3 |
| 765 | Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU | Samsung_PM165X_GPM1653SAMD3.fwpkg | VO000960PZWSL | HPD3 (B) | HPD3 |
| 766 | Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU | Samsung_PM165X_GPM1653SAMD3.fwpkg | VO001920PZWSN | HPD3 (B) | HPD3 |
| 767 | Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU | Samsung_PM165X_GPM1653SAMD3.fwpkg | VO003840PZWSP | HPD3 (B) | HPD3 |
| 768 | Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU | Samsung_PM165X_GPM1653SAMD3.fwpkg | VO007680PZXFB | HPD3 (B) | HPD3 |
| 769 | Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU | Samsung_PM165X_GPM1653SAMD3.fwpkg | VO015360PZXEU | HPD3 (B) | HPD3 |
| 770 | Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU | Kioxia_RM6_KARM6ALSHPD1.fwpkg | VO000960RZWUP | HPD1 (B) | HPD1 |
| 771 | Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU | Kioxia_RM6_KARM6ALSHPD1.fwpkg | VO000960RZWUQ | HPD1 (B) | HPD1 |
| 772 | Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU | Kioxia_RM6_KARM6ALSHPD1.fwpkg | VO001920RZWUR | HPD1 (B) | HPD1 |
| 773 | Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU | Kioxia_RM6_KARM6ALSHPD1.fwpkg | VO001920RZWUV | HPD1 (B) | HPD1 |
| 774 | Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, | Kioxia_RM6_KARM6ALSHPD1.fwpkg | VO003840RZWUT | HPD1 (B) | HPD1 |

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| | VO003840RZWUT, VO003840RZWVA and VO007680RZWUU | | | | |
| 775 | Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU | Kioxia_RM6_KARM6ALSHPD1.fwpkg | VO003840RZWVA | HPD1 (B) | HPD1 |
| 776 | Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU | Kioxia_RM6_KARM6ALSHPD1.fwpkg | VO007680RZWUU | HPD1 (B) | HPD1 |

### 6.2.15 Firmware - SATA Storage Disk

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 777 | Online HDD/SSD Flash Component for Linux (x64) - MB001000GWFWK and MB002000GWFWL Drives | firmware-hdd-bfc4af697b-HPG6-12.1.x86_64.rpm | MB001000GWFWK | HPG6 (L) | HPG6 |
| 778 | Online HDD/SSD Flash Component for Linux (x64) - MB001000GWFWK and MB002000GWFWL Drives | firmware-hdd-bfc4af697b-HPG6-12.1.x86_64.rpm | MB002000GWFWL | HPG6 (L) | HPG6 |
| 779 | Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives | firmware-hdd-d39e7a7e75-HPG1-13.1.x86_64.rpm | MB004000GWFWB | HPG1 (M) | HPG1 |
| 780 | Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives | firmware-hdd-d39e7a7e75-HPG1-13.1.x86_64.rpm | MB002000GWFWA | HPG1 (M) | HPG1 |
| 781 | Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives | firmware-hdd-d39e7a7e75-HPG1-13.1.x86_64.rpm | MB001000GWJAN | HPG1 (M) | HPG1 |
| 782 | Online HDD/SSD Flash Component for Linux (x64) - MB004000GWKGV Drive | firmware-hdd-ca21e169e2-HPG1-12.1.x86_64.rpm | MB004000GWKGV | HPG1 (L) | HPG1 |
| 783 | Online HDD/SSD Flash Component for Linux (x64) - MB006000GWKGR Drive | firmware-hdd-7f2a26e6d0-HPG1-12.1.x86_64.rpm | MB006000GWKGR | HPG1 (L) | HPG1 |
| 784 | Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives | firmware-hdd-4fbb6d96e5-HPG2-3.1.x86_64.rpm | MB010000GYDKP | HPG2 (C) | HPG2 |
| 785 | Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives | firmware-hdd-4fbb6d96e5-HPG2-3.1.x86_64.rpm | MB016000GYDKQ | HPG2 (C) | HPG2 |
| 786 | Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives | firmware-hdd-4fbb6d96e5-HPG2-3.1.x86_64.rpm | MB018000GYDKR | HPG2 (C) | HPG2 |
| 787 | Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives | firmware-hdd-4fbb6d96e5-HPG2-3.1.x86_64.rpm | MB012000GYCJL | HPG2 (C) | HPG2 |
| 788 | Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives | firmware-hdd-4fbb6d96e5-HPG2-3.1.x86_64.rpm | MB014000GYCJT | HPG2 (C) | HPG2 |

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| 789 | Online HDD/SSD Flash Component for Linux (x64) - MB012000GWDFE Drive | firmware-hdd-059b8654a6-HPG5-3.1.x86_64.rpm | MB012000GWDFE | HPG5 (C) | HPG5 |
| 790 | Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFF Drives | firmware-hdd-b78255e146-HPG8-5.1.x86_64.rpm | MB014000GWTFF | HPG8 (E) | HPG8 |
| 791 | Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFF Drives | firmware-hdd-b78255e146-HPG8-5.1.x86_64.rpm | MB012000GWTFE | HPG8 (E) | HPG8 |
| 792 | Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives | firmware-hdd-e0171a2936-HPG4-3.1.x86_64.rpm | MB012000GZYVT | HPG4 (C) | HPG4 |
| 793 | Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives | firmware-hdd-e0171a2936-HPG4-3.1.x86_64.rpm | MB014000GZYVU | HPG4 (C) | HPG4 |
| 794 | Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives | firmware-hdd-e0171a2936-HPG4-3.1.x86_64.rpm | MB016000GZYVV | HPG4 (C) | HPG4 |
| 795 | Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives | firmware-hdd-e0171a2936-HPG4-3.1.x86_64.rpm | MB018000GYCLL | HPG4 (C) | HPG4 |
| 796 | Online HDD/SSD Flash Component for Linux (x64) - MB016000GWXKK Drive | firmware-hdd-e4f147cdd2-HPG4-4.1.x86_64.rpm | MB016000GWXKK | HPG4 (D) | HPG4 |
| 797 | Online HDD/SSD Flash Component for Linux (x64) - MB018000GXMTK and MB020000GXMTQ Drives | firmware-hdd-3496cc4743-HPG3-1.1.x86_64.rpm | MB020000GXMTQ | HPG3 | HPG3 |
| 798 | Online HDD/SSD Flash Component for Linux (x64) - MB018000GXMTK and MB020000GXMTQ Drives | firmware-hdd-3496cc4743-HPG3-1.1.x86_64.rpm | MB018000GXMTK | HPG3 | HPG3 |
| 799 | Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives | firmware-hdd-8e1e8083c5-HPG3-4.1.x86_64.rpm | MK003840GWXFL | HPG3 (D) | HPG3 |
| 800 | Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives | firmware-hdd-8e1e8083c5-HPG3-4.1.x86_64.rpm | MK001920GWXFK | HPG3 (D) | HPG3 |
| 801 | Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives | firmware-hdd-8e1e8083c5-HPG3-4.1.x86_64.rpm | MK000960GWXFH | HPG3 (D) | HPG3 |
| 802 | Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives | firmware-hdd-8e1e8083c5-HPG3-4.1.x86_64.rpm | MK000480GWXFF | HPG3 (D) | HPG3 |
| 803 | Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives | firmware-hdd-9475583fb5-HPG1-4.1.x86_64.rpm | MK000480GZXRA | HPG1 (D) | HPG1 |
| 804 | Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives | firmware-hdd-9475583fb5-HPG1-4.1.x86_64.rpm | MK001920GZXRC | HPG1 (D) | HPG1 |
| 805 | Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives | firmware-hdd-9475583fb5-HPG1-4.1.x86_64.rpm | MK000960GZXRB | HPG1 (D) | HPG1 |
| 806 | Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives | firmware-hdd-9475583fb5-HPG1-4.1.x86_64.rpm | MK003840GZXRV | HPG1 (D) | HPG1 |

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| 807 | Online HDD/SSD Flash Component for Linux (x64) - MM1000GFJTE Drive | firmware-hdd-95af9a555e-HPG6-5.1.x86_64.rpm | MM1000GFJTE | HPG6 (E) | HPG6 |
| 808 | Online HDD/SSD Flash Component for Linux (x64) - MM2000GEFRA Drive | firmware-hdd-ec908c3650-HPG9-5.1.x86_64.rpm | MM2000GEFRA | HPG9 (E) | HPG9 |
| 809 | Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm | VK003840GWTTD | HPG7 (D) | HPG7 |
| 810 | Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm | MK003840GWTTN | HPG7 (D) | HPG7 |
| 811 | Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm | VK001920GWTTC | HPG7 (D) | HPG7 |
| 812 | Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm | MK001920GWTTL | HPG7 (D) | HPG7 |
| 813 | Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm | VK000960GWTTB | HPG7 (D) | HPG7 |
| 814 | Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm | MK000960GWTTK | HPG7 (D) | HPG7 |
| 815 | Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm | VK000480GWTTA | HPG7 (D) | HPG7 |
| 816 | Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm | MK000480GWTTH | HPG7 (D) | HPG7 |
| 817 | Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, | firmware-hdd-c566d63ca0-HPG7-4.1.x86_64.rpm | VK000240GWTSV | HPG7 (D) | HPG7 |

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| | MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | | | | |
| 818 | Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives | firmware-hdd-abd133f0de-HPG1-4.1.x86_64.rpm | VK001920GZXQV | HPG1 (D) | HPG1 |
| 819 | Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives | firmware-hdd-abd133f0de-HPG1-4.1.x86_64.rpm | VK003840GZXRH | HPG1 (D) | HPG1 |
| 820 | Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives | firmware-hdd-abd133f0de-HPG1-4.1.x86_64.rpm | VK007680GZXRT | HPG1 (D) | HPG1 |
| 821 | Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives | firmware-hdd-abd133f0de-HPG1-4.1.x86_64.rpm | VK000960GZXQU | HPG1 (D) | HPG1 |
| 822 | Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives | firmware-hdd-abd133f0de-HPG1-4.1.x86_64.rpm | VK000480GZXRF | HPG1 (D) | HPG1 |
| 823 | Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives | firmware-hdd-abd133f0de-HPG1-4.1.x86_64.rpm | VK000240GZXRU | HPG1 (D) | HPG1 |
| 824 | Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives | firmware-hdd-befd42bd64-HPG3-4.1.x86_64.rpm | VK000480GZCNE | HPG3 (D) | HPG3 |
| 825 | Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives | firmware-hdd-befd42bd64-HPG3-4.1.x86_64.rpm | VK000960GZCNF | HPG3 (D) | HPG3 |
| 826 | Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives | firmware-hdd-befd42bd64-HPG3-4.1.x86_64.rpm | VK001920GZCNH | HPG3 (D) | HPG3 |
| 827 | Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives | firmware-hdd-befd42bd64-HPG3-4.1.x86_64.rpm | VK003840GZCNK | HPG3 (D) | HPG3 |
| 828 | Online HDD/SSD Flash Component for VMware ESXi - MB001000GWFWK and MB002000GWFWL Drives | CP065937.zip | MB001000GWFWK | HPG6 (K) | HPG6 |
| 829 | Online HDD/SSD Flash Component for VMware ESXi - MB001000GWFWK and MB002000GWFWL Drives | CP065937.zip | MB002000GWFWL | HPG6 (K) | HPG6 |
| 830 | Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives | CP065995.zip | MB004000GWFWB | HPG1 (K) | HPG1 |
| 831 | Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives | CP065995.zip | MB002000GWFWA | HPG1 (K) | HPG1 |
| 832 | Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFWA and | CP065995.zip | MB001000GWJAN | HPG1 (K) | HPG1 |

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| | MB004000GWFWB Drives | | | | |
| 833 | Online HDD/SSD Flash Component for VMware ESXi - MB004000GWKGV Drive | CP065987.zip | MB004000GWKGV | HPG1 (K) | HPG1 |
| 834 | Online HDD/SSD Flash Component for VMware ESXi - MB006000GWKGR Drive | CP065934.zip | MB006000GWKGR | HPG1 (K) | HPG1 |
| 835 | Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives | CP065972.zip | MB010000GYDKP | HPG2 (C) | HPG2 |
| 836 | Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives | CP065972.zip | MB016000GYDKQ | HPG2 (C) | HPG2 |
| 837 | Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives | CP065972.zip | MB018000GYDKR | HPG2 (C) | HPG2 |
| 838 | Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives | CP065972.zip | MB012000GYCJL | HPG2 (C) | HPG2 |
| 839 | Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives | CP065972.zip | MB014000GYCJT | HPG2 (C) | HPG2 |
| 840 | Online HDD/SSD Flash Component for VMware ESXi - MB012000GWDFE Drive | CP065936.zip | MB012000GWDFE | HPG5 (C) | HPG5 |
| 841 | Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFF Drives | CP065997.zip | MB014000GWTFF | HPG8 (C) | HPG8 |
| 842 | Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFF Drives | CP065997.zip | MB012000GWTFE | HPG8 (C) | HPG8 |
| 843 | Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives | CP065980.zip | MB012000GZYVT | HPG4 (C) | HPG4 |
| 844 | Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives | CP065980.zip | MB014000GZYVU | HPG4 (C) | HPG4 |
| 845 | Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives | CP065980.zip | MB016000GZYVV | HPG4 (C) | HPG4 |
| 846 | Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives | CP065980.zip | MB018000GYCLL | HPG4 (C) | HPG4 |
| 847 | Online HDD/SSD Flash Component for VMware ESXi - MB016000GWXKK Drive | CP065948.zip | MB016000GWXKK | HPG4 (C) | HPG4 |
| 848 | Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives | CP065977.zip | MB020000GXMTQ | HPG3 (B) | HPG3 |
| 849 | Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives | CP065977.zip | MB018000GXMTK | HPG3 (B) | HPG3 |
| 850 | Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives | CP065978.zip | MK003840GWXFL | HPG3 (C) | HPG3 |

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| 851 | Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives | CP065978.zip | MK001920GWXFK | HPG3 (C) | HPG3 |
| 852 | Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives | CP065978.zip | MK000960GWXFH | HPG3 (C) | HPG3 |
| 853 | Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives | CP065978.zip | MK000480GWXFF | HPG3 (C) | HPG3 |
| 854 | Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives. | CP065947.zip | MK000480GZXRA | HPG1 (C) | HPG1 |
| 855 | Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives. | CP065947.zip | MK001920GZXRC | HPG1 (C) | HPG1 |
| 856 | Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives. | CP065947.zip | MK000960GZXRB | HPG1 (C) | HPG1 |
| 857 | Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives. | CP065947.zip | MK003840GZXRV | HPG1 (C) | HPG1 |
| 858 | Online HDD/SSD Flash Component for VMware ESXi - MM1000GFJTE Drive | CP066002.zip | MM1000GFJTE | HPG6 (E) | HPG6 |
| 859 | Online HDD/SSD Flash Component for VMware ESXi - MM2000GEFRA Drive | CP066001.zip | MM2000GEFRA | HPG9 (E) | HPG9 |
| 860 | Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | CP065970.zip | VK003840GWTTD | HPG7 (D) | HPG7 |
| 861 | Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | CP065970.zip | MK003840GWTTN | HPG7 (D) | HPG7 |
| 862 | Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | CP065970.zip | VK001920GWTTC | HPG7 (D) | HPG7 |
| 863 | Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | CP065970.zip | MK001920GWTTL | HPG7 (D) | HPG7 |
| 864 | Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and | CP065970.zip | VK000960GWTTB | HPG7 (D) | HPG7 |

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| | MK003840GWTTN Drives | | | | |
| 865 | Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | CP065970.zip | MK000960GWTTK | HPG7 (D) | HPG7 |
| 866 | Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | CP065970.zip | VK000480GWTTA | HPG7 (D) | HPG7 |
| 867 | Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | CP065970.zip | MK000480GWTTH | HPG7 (D) | HPG7 |
| 868 | Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | CP065970.zip | VK000240GWTSV | HPG7 (D) | HPG7 |
| 869 | Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives. | CP065949.zip | VK001920GZXQV | HPG1 (C) | HPG1 |
| 870 | Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives. | CP065949.zip | VK003840GZXRH | HPG1 (C) | HPG1 |
| 871 | Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives. | CP065949.zip | VK007680GZXRT | HPG1 (C) | HPG1 |
| 872 | Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives. | CP065949.zip | VK000960GZXQU | HPG1 (C) | HPG1 |
| 873 | Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives. | CP065949.zip | VK000480GZXRF | HPG1 (C) | HPG1 |
| 874 | Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives. | CP065949.zip | VK000240GZXRU | HPG1 (C) | HPG1 |
| 875 | Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives | CP065982.zip | VK000480GZCNE | HPG3 (C) | HPG3 |
| 876 | Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and | CP065982.zip | VK000960GZCNF | HPG3 (C) | HPG3 |

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| | VK003840GZCNK Drives | | | | |
| 877 | Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives | CP065982.zip | VK001920GZCNH | HPG3 (C) | HPG3 |
| 878 | Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives | CP065982.zip | VK003840GZCNK | HPG3 (C) | HPG3 |
| 879 | Online HDD/SSD Flash Component for Windows (x64) - MB001000GWFWK and MB002000GWFWL Drives | cp065095.exe | MB001000GWFWK | HPG6 (J) | HPG6 |
| 880 | Online HDD/SSD Flash Component for Windows (x64) - MB001000GWFWK and MB002000GWFWL Drives | cp065095.exe | MB002000GWFWL | HPG6 (J) | HPG6 |
| 881 | Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives | cp065066.exe | MB004000GWFWB | HPG1 (J) | HPG1 |
| 882 | Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives | cp065066.exe | MB002000GWFWA | HPG1 (J) | HPG1 |
| 883 | Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives | cp065066.exe | MB001000GWJAN | HPG1 (J) | HPG1 |
| 884 | Online HDD/SSD Flash Component for Windows (x64) - MB004000GWKGV Drive | cp065089.exe | MB004000GWKGV | HPG1 (J) | HPG1 |
| 885 | Online HDD/SSD Flash Component for Windows (x64) - MB006000GWKGR Drive | cp065090.exe | MB006000GWKGR | HPG1 (J) | HPG1 |
| 886 | Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives | cp065086.exe | MB010000GYDKP | HPG2 (C) | HPG2 |
| 887 | Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives | cp065086.exe | MB016000GYDKQ | HPG2 (C) | HPG2 |
| 888 | Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives | cp065086.exe | MB018000GYDKR | HPG2 (C) | HPG2 |
| 889 | Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives | cp065086.exe | MB012000GYCJL | HPG2 (C) | HPG2 |
| 890 | Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives | cp065086.exe | MB014000GYCJT | HPG2 (C) | HPG2 |
| 891 | Online HDD/SSD Flash Component for Windows (x64) - MB012000GWDFE Drive | cp065094.exe | MB012000GWDFE | HPG5 (C) | HPG5 |
| 892 | Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFF Drives | cp065069.exe | MB014000GWTFF | HPG8 (D) | HPG8 |
| 893 | Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and | cp065069.exe | MB012000GWTFE | HPG8 (D) | HPG8 |

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| | MB014000GWTFF Drives | | | | |
| 894 | Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives | cp065022.exe | MB012000GZYVT | HPG4 (C) | HPG4 |
| 895 | Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives | cp065022.exe | MB014000GZYVU | HPG4 (C) | HPG4 |
| 896 | Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives | cp065022.exe | MB016000GZYVV | HPG4 (C) | HPG4 |
| 897 | Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives | cp065022.exe | MB018000GYCLL | HPG4 (C) | HPG4 |
| 898 | Online HDD/SSD Flash Component for Windows (x64) - MB016000GWXKK Drive | cp065030.exe | MB016000GWXKK | HPG4 (C) | HPG4 |
| 899 | Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTK and MB020000GXMTQ Drives | cp065088.exe | MB020000GXMTQ | HPG3 (B) | HPG3 |
| 900 | Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTK and MB020000GXMTQ Drives | cp065088.exe | MB018000GXMTK | HPG3 (B) | HPG3 |
| 901 | Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives | cp065061.exe | MK003840GWXFL | HPG3 (C) | HPG3 |
| 902 | Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives | cp065061.exe | MK001920GWXFK | HPG3 (C) | HPG3 |
| 903 | Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives | cp065061.exe | MK000960GWXFH | HPG3 (C) | HPG3 |
| 904 | Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives | cp065061.exe | MK000480GWXFF | HPG3 (C) | HPG3 |
| 905 | Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives | cp065074.exe | MK000480GZXRA | HPG1 (C) | HPG1 |
| 906 | Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives | cp065074.exe | MK001920GZXRC | HPG1 (C) | HPG1 |
| 907 | Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives | cp065074.exe | MK000960GZXRB | HPG1 (C) | HPG1 |
| 908 | Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives | cp065074.exe | MK003840GZXRV | HPG1 (C) | HPG1 |
| 909 | Online HDD/SSD Flash Component for Windows (x64) - MM1000GFJTE Drive | cp065060.exe | MM1000GFJTE | HPG6 (D) | HPG6 |
| 910 | Online HDD/SSD Flash Component for Windows (x64) - MM2000GEFRA Drive | cp065057.exe | MM2000GEFRA | HPG9 (D) | HPG9 |
| 911 | Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, | cp065014.exe | VK003840GWTTD | HPG7 (D) | HPG7 |

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| | MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | | | | |
| 912 | Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | cp065014.exe | MK003840GWTTN | HPG7 (D) | HPG7 |
| 913 | Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | cp065014.exe | VK001920GWTTC | HPG7 (D) | HPG7 |
| 914 | Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | cp065014.exe | MK001920GWTTL | HPG7 (D) | HPG7 |
| 915 | Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | cp065014.exe | VK000960GWTTB | HPG7 (D) | HPG7 |
| 916 | Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | cp065014.exe | MK000960GWTTK | HPG7 (D) | HPG7 |
| 917 | Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | cp065014.exe | VK000480GWTTA | HPG7 (D) | HPG7 |
| 918 | Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | cp065014.exe | MK000480GWTTH | HPG7 (D) | HPG7 |
| 919 | Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives | cp065014.exe | VK000240GWTSV | HPG7 (D) | HPG7 |
| 920 | Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives | cp065075.exe | VK001920GZXQV | HPG1 (C) | HPG1 |
| 921 | Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, | cp065075.exe | VK003840GZXRH | HPG1 (C) | HPG1 |

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| | VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives | | | | |
| 922 | Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives | cp065075.exe | VK007680GZXRT | HPG1 (C) | HPG1 |
| 923 | Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives | cp065075.exe | VK000960GZXQU | HPG1 (C) | HPG1 |
| 924 | Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives | cp065075.exe | VK000480GZXRF | HPG1 (C) | HPG1 |
| 925 | Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives | cp065075.exe | VK000240GZXRU | HPG1 (C) | HPG1 |
| 926 | Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives | cp065062.exe | VK000480GZCNE | HPG3 (C) | HPG3 |
| 927 | Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives | cp065062.exe | VK000960GZCNF | HPG3 (C) | HPG3 |
| 928 | Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives | cp065062.exe | VK001920GZCNH | HPG3 (C) | HPG3 |
| 929 | Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives | cp065062.exe | VK003840GZCNK | HPG3 (C) | HPG3 |
| 930 | Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD | Seagate_CimarronBP_SCIMARBPNTG2.fwpkg | MB002000GYDNK | HPG2 | HPG2 |
| 931 | Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD | Seagate_CimarronBP_SCIMARBPNTG2.fwpkg | MB004000GYDPD | HPG2 | HPG2 |
| 932 | Universal Firmware Package for Drives - MB004000GWZVT | Toshiba_MG08Air_TAMG08ADAnG3.fwpkg | MB004000GWZVT | HPG3 | HPG3 |
| 933 | Universal Firmware Package for Drives - MB006000GWZVL and MB008000GWZVN | Toshiba_MG08Air_TAMG08ADAeG3.fwpkg | MB006000GWZVL | HPG3 | HPG3 |
| 934 | Universal Firmware Package for Drives - MB006000GWZVL and MB008000GWZVN | Toshiba_MG08Air_TAMG08ADAeG3.fwpkg | MB008000GWZVN | HPG3 | HPG3 |
| 935 | Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN | Seagate_CimarronBP_SCIMARBPETG2.fwpkg | MB006000GYDNL | HPG2 | HPG2 |
| 936 | Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN | Seagate_CimarronBP_SCIMARBPETG2.fwpkg | MB008000GYDPE | HPG2 | HPG2 |
| 937 | Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN | Seagate_CimarronBP_SCIMARBPETG2.fwpkg | MB010000GYDNN | HPG2 | HPG2 |
| 938 | Universal Firmware Package for Drives - MB12000GYESP, MB16000GYEVF and MB20000GYEVH | Seagate_Summit_SUMMITSUANG1.fwpkg | MB12000GYESP | HPG1 | HPG1 |
| 939 | Universal Firmware Package for Drives - | Seagate_Summit_SU | MB16000GYEVF | HPG1 | HPG1 |

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| | MB12000GYESP, MB16000GYEVF and MB20000GYEVH | MMITSUANG1.fwpkg | | | |
| 940 | Universal Firmware Package for Drives - MB12000GYESP, MB16000GYEVF and MB20000GYEVH | Seagate_Summit_SU MMITSUANG1.fwpkg | MB20000GYEVH | HPG1 | HPG1 |
| 941 | Universal Firmware Package for Drives - MB24000GYEVK | Seagate_Summit_SU MMITSUASG1.fwpkg | MB24000GYEVK | HPG1 | HPG1 |
| 942 | Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU | Solidigm_S4X20_4IYYHPG4.fwpkg | MK000480GYCNT | HPG4 | HPG4 |
| 943 | Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU | Solidigm_S4X20_4IYYHPG4.fwpkg | MK000960GYCNP | HPG4 | HPG4 |
| 944 | Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU | Solidigm_S4X20_4IYYHPG4.fwpkg | MK001920GYCNF | HPG4 | HPG4 |
| 945 | Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU | Solidigm_S4X20_4IYYHPG4.fwpkg | MK003840GYCNQ | HPG4 | HPG4 |
| 946 | Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU | Solidigm_S4X20_4IYYHPG4.fwpkg | VK000240GYCNU | HPG4 | HPG4 |
| 947 | Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU | Solidigm_S4X20_4IYYHPG4.fwpkg | VK000480GYCNH | HPG4 | HPG4 |
| 948 | Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU | Solidigm_S4X20_4IYYHPG4.fwpkg | VK000960GYCNK | HPG4 | HPG4 |
| 949 | Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU | Solidigm_S4X20_4IYYHPG4.fwpkg | VK001920GYCNL | HPG4 | HPG4 |
| 950 | Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK0 | Solidigm_S4X20_4IYYHPG4.fwpkg | VK003840GYCNN | HPG4 | HPG4 |

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| | 00240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU | | | | |
| 951 | Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU | Solidigm_S4X20_4IYYHPG4.fwpkg | VK007680GYCNE | HPG4 | HPG4 |
| 952 | Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU | Solidigm_S4X20_4IYYHPG4.fwpkg | VR000240GXPQT | HPG4 | HPG4 |
| 953 | Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU | Solidigm_S4X20_4IYYHPG4.fwpkg | VR000480GXPQU | HPG4 | HPG4 |

### 6.2.16 Firmware - Storage Controller

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 954 | 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_1.2.14.1018_C.fwpkg | HPE NS204i-u Boot Controller | 1.2.14.1018 (C) | 1.2.14.1018 |
| 955 | Firmware Package - HPE MR216i-o Gen11 Tri Mode Controller | HPE_MR216i-o_Gen11_52.30.3-5917_B.fwpkg | HPE_MR216i-o_Gen11 | 52.30.3-5917 (B) | 52.30.3-5917 |
| 956 | Firmware Package - HPE MR216i-p Gen11 Tri Mode Controller | HPE_MR216i-p_Gen11_52.30.3-5917_B.fwpkg | HPE_MR216i-p_Gen11 | 52.30.3-5917 (B) | 52.30.3-5917 |
| 957 | Firmware Package - HPE MR408i-o Gen11 Tri Mode Controller | HPE_MR408i-o_Gen11_52.30.3-5917_B.fwpkg | HPE_MR408i-o_Gen11 | 52.30.3-5917 (B) | 52.30.3-5917 |
| 958 | Firmware Package - HPE MR408i-p Gen11 Tri Mode Controller | HPE_MR408i-p_Gen11_52.30.3-5917_B.fwpkg | HPE_MR408i-p_Gen11 | 52.30.3-5917 (B) | 52.30.3-5917 |
| 959 | Firmware Package - HPE MR416i-o Gen11 Tri Mode Controller | HPE_MR416i-o_Gen11_52.30.3-5917_B.fwpkg | HPE_MR416i-o_Gen11 | 52.30.3-5917 (B) | 52.30.3-5917 |
| 960 | Firmware Package - HPE MR416i-p Gen11 Tri Mode Controller | HPE_MR416i-p_Gen11_52.30.3-5917_B.fwpkg | HPE_MR416i-p_Gen11 | 52.30.3-5917 (B) | 52.30.3-5917 |
| 961 | Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416ie-m Gen11 Controllers | HPE_SR416_SR932_Gen10P_Gen11_03.01.33.044_A.fwpkg | HPE SR932i-p Gen11 | 03.01.33.044 | 03.01.33.044 |
| 962 | 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_7.43_A.fwpkg | HPE Smart Array E208e-p SR Gen10 Controller | 7.43 | 7.43 |

### 6.2.17 Firmware - Storage Disk

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 963 | Online NVMe SSD Flash Component for Linux - MZ1L21T9HCLS-00A07, MZ1L23T8HBLA-00A07 and MZ1L2960HCJR-00A07 Drive | firmware-hdd-samsung-pm9a3-GDC7502Q-3.1.x86_64.rpm | MZ1L21T9HCLS-00A07 | GDC7502Q (C) | GDC7502Q |
| 964 | Online NVMe SSD Flash Component for Linux - MZ1L21T9HCLS-00A07, MZ1L23T8HBLA-00A07 and MZ1L2960HCJR-00A07 Drive | firmware-hdd-samsung-pm9a3-GDC7502Q-3.1.x86_64.rpm | MZ1L23T8HBLA-00A07 | GDC7502Q (C) | GDC7502Q |
| 965 | Online NVMe SSD Flash Component for Linux - MZ1L21T9HCLS-00A07, MZ1L23T8HBLA-00A07 and MZ1L2960HCJR-00A07 Drive | firmware-hdd-samsung-pm9a3-GDC7502Q-3.1.x86_64.rpm | MZ1L2960HCJR-00A07 | GDC7502Q (C) | GDC7502Q |

### 6.2.18 Firmware - Storage Fibre Channel

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 966 | HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters | P14.4.473.14_header.pldm.fwpkg | HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter | 14.4.473.14 | 14.4.473.14 |
| 967 | HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters | P14.4.473.14_header.pldm.fwpkg | HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter | 14.4.473.14 | 14.4.473.14 |
| 968 | HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters | P14.4.473.14_header.pldm.fwpkg | HPE SN1610E 32Gb 1-port Fibre Channel Host Bus Adapter | 14.4.473.14 | 14.4.473.14 |
| 969 | HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters | P14.4.473.14_header.pldm.fwpkg | HPE SN1610E 32Gb 2-port Fibre Channel Host Bus Adapter | 14.4.473.14 | 14.4.473.14 |
| 970 | HPE Firmware Flash for QLogic 32Gb and 64Gb Fibre Channel Host Bus Adapters | mh021008.upd_header.pldm.fwpkg | HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter | 02.10.08 | 02.10.08 |
| 971 | HPE Firmware Flash for QLogic 32Gb and 64Gb Fibre Channel Host Bus Adapters | mh021008.upd_header.pldm.fwpkg | HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter | 02.10.08 | 02.10.08 |

### 6.2.19 Firmware – System

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 972 | Firmware Package - UBM10 Backplane PIC PLDM Firmware | HPE_UBM10_1.02_A.fwpkg | UBM10 Backplane PIC | 1.02 | 1.02 |
| 973 | Firmware Package - UBM2 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11 Servers | HPE_UBM2_1.20_F.fwpkg | UBM2 Backplane PIC | 1.20 (F) | 1.20 |
| 974 | Firmware Package - UBM3 Backplane PIC PLDM Firmware for Gen10 and Gen10 Plus and Gen11 servers usage | HPE_UBM3_1.24_G.fwpkg | UBM3 Backplane PIC | 1.24 (G) | 1.24 |
| 975 | Firmware Package - UBM4 Backplane PIC PLDM Firmware for Gen10P/Gen11/Gen12 servers usage | HPE_UBM4_1.24_G.fwpkg | UBM4 Backplane PIC | 1.24 (G) | 1.24 |
| 976 | Firmware Package - UBM5 Backplane PIC PLDM Firmware for Gen11 servers usage | HPE_UBM5_1.16_A.fwpkg | UBM5 Backplane PIC | 1.16 | 1.16 |
| 977 | Firmware Package - UBM6 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11/Gen12 servers usage | HPE_UBM6_1.04_C.fwpkg | UBM6 Backplane PIC | 1.04 (C) | 1.04 |
| 978 | Firmware Package - UBM7 Backplane PIC PLDM Firmware | HPE_UBM7_1.10_B.fwpkg | UBM7 Backplane PIC | 1.10 (B) | 1.10 |

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|---|---|---|---|---|---|
| 979 | Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems | cp065566.exe | U63 ME Seamless Update Image | 06.01.04.075.0 (B) | 6.1.4.75 |
| 980 | Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems | cp065561.exe | U54 ME Seamless Update Image | 06.01.04.075.0 (B) | 6.1.4.75 |
| 981 | Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems | cp065562.exe | U58 ME Seamless Update Image | 06.01.04.075.0 (B) | 6.1.4.75 |
| 982 | Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems | cp065592.exe | U59 ME Seamless Update Image | 06.01.04.075.0 (B) | 6.1.4.75 |
| 983 | Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems | cp065616.exe | Server Platform Services Manageability Engine Firmware for U65 | 06.03.04.048.0 (B) | 6.3.4.48.0 |
| 984 | Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems | firmware-u54sps-06.01.04.075.0-1.1.x86_64.rpm | U54 ME Seamless Update Image | 06.01.04.075.0 | 6.1.4.75 |
| 985 | Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems | firmware-u58sps-06.01.04.075.0-1.1.x86_64.rpm | U58 ME Seamless Update Image | 06.01.04.075.0 | 6.1.4.75 |
| 986 | Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems | firmware-u59sps-06.01.04.075.0-1.1.x86_64.rpm | U59 ME Seamless Update Image | 06.01.04.075.0 | 6.1.4.75 |
| 987 | Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems | firmware-u63sps-06.01.04.075.0-1.1.x86_64.rpm | U63 ME Seamless Update Image | 06.01.04.075.0 | 6.1.4.75 |
| 988 | Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems | firmware-u65sps-06.03.04.048.0-1.1.x86_64.rpm | Server Platform Services Manageability Engine Firmware for U65 | 06.03.04.048.0 | 6.3.4.48.0 |
| 989 | ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems | OEM.SC_U63_ME_06.01.04.075.0.fwpkg | U63 ME Seamless Update Image | 06.01.04.075.0 | 6.1.4.75 |
| 990 | ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems | OEM.SC_U54_ME_06.01.04.075.0.fwpkg | U54 ME Seamless Update Image | 06.01.04.075.0 | 6.1.4.75 |
| 991 | ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems | OEM.SC_U59_ME_06.01.04.075.0.fwpkg | U59 ME Seamless Update Image | 06.01.04.075.0 | 6.1.4.75 |
| 992 | ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems | OEM.SC_U65_ME_06.03.04.048.0.fwpkg | Server Platform Services Firmware for DL20 ML30 MS Gen11 | 06.03.04.048.0 | 6.3.4.48 |

### 6.2.20 Software - Lights-Out Management

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 993 | HPE Lights-Out Online Configuration | hponcfg-6.0.0- | - | 6.0.0-0 (B) | 6.0.0-0 |

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|---|---|---|---|---|---|
| | Utility for Linux (AMD64/EM64T) | 0.x86_64.rpm | | | |
| 994 | HPE Lights-Out Online Configuration Utility for Windows x64 Editions | cp063854.exe | - | 6.0.0.0 (A) | 6.0.0.0 |

### 6.2.21 Software - Management

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 995 | HPE iLO Driver Bundle Smart Component for ESXi 8.0 and ESXi 9.0 | cp064439.zip | - | 2025.03.00 | 800.10.9.0.17-1OEM.800.1.0.20613240 |
| 996 | Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers | cp062924.zip | HPE Smart Array E208e-p SR Gen10 Controller | 2025.02.01 | 6.45.8.0-8.0.0 |
| 997 | Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers | cp062924.zip | Smart Array S100i SR | 2025.02.01 | 6.45.8.0-8.0.0 |
| 998 | Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers | cp062924.zip | Smart Array S100i SR | 2025.02.01 | 6.45.8.0-8.0.0 |
| 999 | Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers | cp062924.zip | Smart Array S100i SR | 2025.02.01 | 6.45.8.0-8.0.0 |
| 1000 | Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers | cp062924.zip | HPE SR932i-p Gen11 | 2025.02.01 | 6.45.8.0-8.0.0 |
| 1001 | Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0 for Gen10/Gen10 Plus/Gen11 Controllers | cp064903.zip | HPE Smart Array E208e-p SR Gen10 Controller | 2025.03.01 | 2025.03.01 |
| 1002 | Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0 for Gen10/Gen10 Plus/Gen11 Controllers | cp064903.zip | Smart Array S100i SR | 2025.03.01 | 2025.03.01 |
| 1003 | Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0 for Gen10/Gen10 Plus/Gen11 Controllers | cp064903.zip | Smart Array S100i SR | 2025.03.01 | 2025.03.01 |
| 1004 | Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0 for Gen10/Gen10 Plus/Gen11 Controllers | cp064903.zip | Smart Array S100i SR | 2025.03.01 | 2025.03.01 |
| 1005 | Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0 for Gen10/Gen10 Plus/Gen11 Controllers | cp064903.zip | HPE SR932i-p Gen11 | 2025.03.01 | 2025.03.01 |

### 6.2.22 Software - Storage Controller

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 1006 | HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers) | cp065471.zip | HPE_MR416i-o_Gen11 | 2025.01.01 (B) | 007.3011.0000.0000-02 |
| 1007 | HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers) | cp065471.zip | HPE_MR416i-p_Gen11 | 2025.01.01 (B) | 007.3011.0000.0000-02 |
| 1008 | HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers) | cp065471.zip | HPE_MR216i-o_Gen11 | 2025.01.01 (B) | 007.3011.0000.0000-02 |
| 1009 | HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers) | cp065471.zip | HPE_MR408i-o_Gen11 | 2025.01.01 (B) | 007.3011.0000.0000-02 |
| 1010 | HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers) | cp065471.zip | HPE_MR216i-p_Gen11 | 2025.01.01 (B) | 007.3011.0000.0000-02 |
| 1011 | HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers) | cp065471.zip | HPE_MR408i-p_Gen11 | 2025.01.01 (B) | 007.3011.0000.0000-02 |
| 1012 | HPE MegaRAID Storage Administrator | cp064599.zip | HPE_MR416i- | 2025.01.01 | 2025.01.01 |

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| | StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers) | | o_Gen11 | | |
| 1013 | HPE MegaRAID Storage Administrator StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers) | cp064599.zip | HPE_MR416i-p_Gen11 | 2025.01.01 | 2025.01.01 |
| 1014 | HPE MegaRAID Storage Administrator StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers) | cp064599.zip | HPE_MR216i-o_Gen11 | 2025.01.01 | 2025.01.01 |
| 1015 | HPE MegaRAID Storage Administrator StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers) | cp064599.zip | HPE_MR408i-o_Gen11 | 2025.01.01 | 2025.01.01 |
| 1016 | HPE MegaRAID Storage Administrator StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers) | cp064599.zip | HPE_MR216i-p_Gen11 | 2025.01.01 | 2025.01.01 |
| 1017 | HPE MegaRAID Storage Administrator StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers) | cp064599.zip | HPE_MR408i-p_Gen11 | 2025.01.01 | 2025.01.01 |

### 6.2.23 Software - Storage Fibre Channel

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 1018 | HPE QLogic Fibre Channel driver component for VMware vSphere 8.0 | cp062112.zip | HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter | 2024.09.01 | 5.4.82.1-1OEM.800.1.0.20613240 |
| 1019 | HPE QLogic Fibre Channel driver component for VMware vSphere 8.0 | cp062112.zip | HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter | 2024.09.01 | 5.4.82.1-1OEM.800.1.0.20613240 |
| 1020 | HPE QLogic Fibre Channel driver component for VMware vSphere 8.0 | cp061889.zip | HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter | 2024.09.01 | 5.4.83.1-1OEM.803.0.0.23710970 |
| 1021 | HPE QLogic Fibre Channel driver component for VMware vSphere 8.0 | cp061889.zip | HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter | 2024.09.01 | 5.4.83.1-1OEM.803.0.0.23710970 |
| 1022 | HPE QLogic Fibre Channel driver component for VMware vSphere 9.0 | cp064286.zip | HPE SN1610Q 32Gb 1-port Fibre Channel Host Bus Adapter | 2025.03.01 | 2025.03.01 |
| 1023 | HPE QLogic Fibre Channel driver component for VMware vSphere 9.0 | cp064286.zip | HPE SN1610Q 32Gb 2-port Fibre Channel Host Bus Adapter | 2025.03.01 | 2025.03.01 |

### 6.2.24 Software - System Management

| No. | Description | Package filename | Device | Package Version | Firmware/Driver version |
|---|---|---|---|---|---|
| 1024 | Agentless Management Service (iLO 5, iLO 6 and iLO 7) for Red Hat Enterprise Linux 9 Server | amsd-4.0.0-1974.81.rhel9.x86_64.rpm | - | 4.0.0 | 4.0.0-1974.81.rhel9 |
| 1025 | Agentless Management Service (iLO5, iLO 6) for Red Hat Enterprise Linux 8 Server | amsd-3.7.0-1869.1.rhel8.x86_64.rpm | - | 3.7.0 | 3.7.0-1869.1.rhel8 |
| 1026 | Agentless Management Service for Microsoft Windows x64 | cp065396.exe | - | 4.10.0.0 | 4.10.0.0 |
| 1027 | HPE Agentless Management Bundle Smart Component on ESXi for Gen11 and Gen12 Servers | cp064726.zip | - | 2025.03.01 | 802.12.1.0.25-1 |
| 1028 | HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers) | storcli-007.3011.0000.0000-1.noarch.rpm | HPE_MR416i-o_Gen11 | 007.3011.0000.0000 (B) | 007.3011.0000.0000-1 |
| 1029 | HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers) | storcli-007.3011.0000.0000-1.noarch.rpm | HPE_MR416i-p_Gen11 | 007.3011.0000.0000 (B) | 007.3011.0000.0000-1 |
| 1030 | HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers) | storcli-007.3011.0000.0000-1.noarch.rpm | HPE_MR216i-o_Gen11 | 007.3011.0000.0000 (B) | 007.3011.0000.0000-1 |

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|---|---|---|---|---|---|
| 1031 | HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers) | storcli-007.3011.0000.0000-1.noarch.rpm | HPE_MR408i-o_Gen11 | 007.3011.0000.0000 (B) | 007.3011.0000.0000-1 |
| 1032 | HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers) | storcli-007.3011.0000.0000-1.noarch.rpm | HPE_MR216i-p_Gen11 | 007.3011.0000.0000 (B) | 007.3011.0000.0000-1 |
| 1033 | HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers) | storcli-007.3011.0000.0000-1.noarch.rpm | HPE_MR408i-p_Gen11 | 007.3011.0000.0000 (B) | 007.3011.0000.0000-1 |
| 1034 | HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers) | cp065470.exe | HPE_MR416i-o_Gen11 | 7.3011.0.0 (B) | 7.3011.0.0 |
| 1035 | HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers) | cp065470.exe | HPE_MR416i-p_Gen11 | 7.3011.0.0 (B) | 7.3011.0.0 |
| 1036 | HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers) | cp065470.exe | HPE_MR216i-o_Gen11 | 7.3011.0.0 (B) | 7.3011.0.0 |
| 1037 | HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers) | cp065470.exe | HPE_MR408i-o_Gen11 | 7.3011.0.0 (B) | 7.3011.0.0 |
| 1038 | HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers) | cp065470.exe | HPE_MR216i-p_Gen11 | 7.3011.0.0 (B) | 7.3011.0.0 |
| 1039 | HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers) | cp065470.exe | HPE_MR408i-p_Gen11 | 7.3011.0.0 (B) | 7.3011.0.0 |
| 1040 | HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers) | MRStorageAdministrator-008.010.012.000-00.x86_64.rpm | HPE_MR416i-o_Gen11 | 8.10.12.0 (B) | 008.010.012.000-00 |
| 1041 | HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers) | MRStorageAdministrator-008.010.012.000-00.x86_64.rpm | HPE_MR416i-p_Gen11 | 8.10.12.0 (B) | 008.010.012.000-00 |
| 1042 | HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers) | MRStorageAdministrator-008.010.012.000-00.x86_64.rpm | HPE_MR216i-o_Gen11 | 8.10.12.0 (B) | 008.010.012.000-00 |
| 1043 | HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers) | MRStorageAdministrator-008.010.012.000-00.x86_64.rpm | HPE_MR408i-o_Gen11 | 8.10.12.0 (B) | 008.010.012.000-00 |
| 1044 | HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers) | MRStorageAdministrator-008.010.012.000-00.x86_64.rpm | HPE_MR216i-p_Gen11 | 8.10.12.0 (B) | 008.010.012.000-00 |
| 1045 | HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers) | MRStorageAdministrator-008.010.012.000-00.x86_64.rpm | HPE_MR408i-p_Gen11 | 8.10.12.0 (B) | 008.010.012.000-00 |
| 1046 | HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers) | cp065472.exe | HPE_MR416i-o_Gen11 | 8.10.12.0 (B) | 8.10.12.0 |
| 1047 | HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers) | cp065472.exe | HPE_MR416i-p_Gen11 | 8.10.12.0 (B) | 8.10.12.0 |
| 1048 | HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers) | cp065472.exe | HPE_MR216i-o_Gen11 | 8.10.12.0 (B) | 8.10.12.0 |
| 1049 | HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers) | cp065472.exe | HPE_MR408i-o_Gen11 | 8.10.12.0 (B) | 8.10.12.0 |
| 1050 | HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers) | cp065472.exe | HPE_MR216i-p_Gen11 | 8.10.12.0 (B) | 8.10.12.0 |
| 1051 | HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers) | cp065472.exe | HPE_MR408i-p_Gen11 | 8.10.12.0 (B) | 8.10.12.0 |
| 1052 | Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | ssacli-6.45-8.0.x86_64.rpm | HPE Smart Array E208e-p SR Gen10 Controller | 6.45.8.0 | 6.45-8.0 |

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| 1053 | Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | ssacli-6.45-8.0.x86_64.rpm | Smart Array S100i SR | 6.45.8.0 | 6.45-8.0 |
| 1054 | Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | ssacli-6.45-8.0.x86_64.rpm | Smart Array S100i SR | 6.45.8.0 | 6.45-8.0 |
| 1055 | Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | ssacli-6.45-8.0.x86_64.rpm | Smart Array S100i SR | 6.45.8.0 | 6.45-8.0 |
| 1056 | Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | ssacli-6.45-8.0.x86_64.rpm | HPE SR932i-p Gen11 | 6.45.8.0 | 6.45-8.0 |
| 1057 | Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | cp062921.exe | HPE Smart Array E208e-p SR Gen10 Controller | 6.45.8.0 | 6.45.8.0 |
| 1058 | Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | cp062921.exe | Smart Array S100i SR | 6.45.8.0 | 6.45.8.0 |
| 1059 | Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | cp062921.exe | Smart Array S100i SR | 6.45.8.0 | 6.45.8.0 |
| 1060 | Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | cp062921.exe | Smart Array S100i SR | 6.45.8.0 | 6.45.8.0 |
| 1061 | Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | cp062921.exe | HPE SR932i-p Gen11 | 6.45.8.0 | 6.45.8.0 |
| 1062 | Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | ssa-6.45-8.0.x86_64.rpm | HPE Smart Array E208e-p SR Gen10 Controller | 6.45.8.0 | 6.45-8.0 |
| 1063 | Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | ssa-6.45-8.0.x86_64.rpm | Smart Array S100i SR | 6.45.8.0 | 6.45-8.0 |
| 1064 | Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | ssa-6.45-8.0.x86_64.rpm | Smart Array S100i SR | 6.45.8.0 | 6.45-8.0 |
| 1065 | Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | ssa-6.45-8.0.x86_64.rpm | Smart Array S100i SR | 6.45.8.0 | 6.45-8.0 |
| 1066 | Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | ssa-6.45-8.0.x86_64.rpm | HPE SR932i-p Gen11 | 6.45.8.0 | 6.45-8.0 |
| 1067 | Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | cp062923.exe | HPE Smart Array E208e-p SR Gen10 Controller | 6.45.8.0 | 6.45.8.0 |
| 1068 | Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | cp062923.exe | Smart Array S100i SR | 6.45.8.0 | 6.45.8.0 |
| 1069 | Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | cp062923.exe | Smart Array S100i SR | 6.45.8.0 | 6.45.8.0 |
| 1070 | Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | cp062923.exe | Smart Array S100i SR | 6.45.8.0 | 6.45.8.0 |
| 1071 | Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | cp062923.exe | HPE SR932i-p Gen11 | 6.45.8.0 | 6.45.8.0 |
| 1072 | Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | ssaducli-6.45-8.0.x86_64.rpm | HPE Smart Array E208e-p SR Gen10 Controller | 6.45.8.0 | 6.45-8.0 |
| 1073 | Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | ssaducli-6.45-8.0.x86_64.rpm | Smart Array S100i SR | 6.45.8.0 | 6.45-8.0 |
| 1074 | Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | ssaducli-6.45-8.0.x86_64.rpm | Smart Array S100i SR | 6.45.8.0 | 6.45-8.0 |

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|---|---|---|---|---|---|
| 1075 | Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | ssaducli-6.45-8.0.x86_64.rpm | Smart Array S100i SR | 6.45.8.0 | 6.45-8.0 |
| 1076 | Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | ssaducli-6.45-8.0.x86_64.rpm | HPE SR932i-p Gen11 | 6.45.8.0 | 6.45-8.0 |
| 1077 | Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | cp062922.exe | HPE Smart Array E208e-p SR Gen10 Controller | 6.45.8.0 | 6.45.8.0 |
| 1078 | Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | cp062922.exe | Smart Array S100i SR | 6.45.8.0 | 6.45.8.0 |
| 1079 | Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | cp062922.exe | Smart Array S100i SR | 6.45.8.0 | 6.45.8.0 |
| 1080 | Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | cp062922.exe | Smart Array S100i SR | 6.45.8.0 | 6.45.8.0 |
| 1081 | Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers | cp062922.exe | HPE SR932i-p Gen11 | 6.45.8.0 | 6.45.8.0 |

## 6.3 パッケージの変更内容

**Online ROM Flash Component for Windows x64 - System ROM U54**

Version: 2.48_03-11-2025 (Recommended)

**Important Notes:**

- This version of the System ROM contains updates aligned with the Intel EGS BKC UPLR3 release.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0.
- This version of the System ROM contains updates aligned with the Intel uPLR2 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-5678, CVE-2024-0727 and CVE-2023-45229. 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 06.01.04.047.0.

**Firmware Dependencies:**

- iLO6 v1.62 is NOT compatible with the Windows and Linux Online ROM Flash Components for versions of the System ROM prior to v2.30. The Online ROM Flash Components released with System ROM v2.30 will work with iLO6 v1.62. For any systems utilizing iLO6 v1.62 or later, flashing the System ROM to versions prior to v2.30 requires utilizing Fwpkg or ROM binary instead of using the Windows or Linux Online ROM Flash Components.

**Problems Fixed:**

- Addressed an issue where the system might RSOD when performing firmware update via Firmware Management Protocol.
- Addressed an issue where the system might RSOD when both TXT and TDX are enabled.
- Addressed an issue where the system might fail to update NVMe drive firmware.
- Addressed an issue where the system might not be able to detect disk removal via NVMe-oF during VMware installation.
- Addressed an issue where the system would use UUID for IPV6 DHCP when DUID-LLT is selected.
- Addressed an issue where the system would report Unsupported DIMM Configuration when having 16+0 DIMM mixed rank population.
- Addressed an issue where the system Consistent Device Naming (CDN) is not working in Windows Server.
- Addressed an issue where the system memory address translation did not match with system limitation.
- Addressed an issue where the system iLO remote console might hang when the System Utilities Language is set to Japanese.
- Addressed an issue where the system might bring up a warning message ("ERST: [Firmware Warn]: too

many record IDs!") in the Linux environment during boot up.

- Addressed an issue where the system Max/Min Uncore Frequency value did not be set to default value after loading default settings.
- Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.
- Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.
- Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.
- Addressed an issue where some strings of in the System Configuration->RBSU->Network Options->NVMe-oF Configuration->NVMe-oF Attempt are still in English after switching the language to non-English version.
- Addressed an issue where the system RBSU menu might not display clear drive location information.
- Addressed an issue where fans might rapidly ramp up and then back down.
- Addressed an issue where the "Server Boot Order" in iLO web was not aligned with "UEFI Boot Order Control" in RBSU.
- Addressed an issue where the system might be asserted when plugging in MR416i-p.
- Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.
- Addressed an issue where incorrect drive location information would be shown.
- Addressed an issue where RSOD might occur after enable PCH VMD with 2x M.2 NVMe drives.
- Addressed an issue where the firmware version and status in device inventory show incorrectly after setting bifurcation for option cards.
- Addressed an issue where the product name information in Device Inventory of iLO web may show unknown or blank for M.2 drives.
- Addressed an issue where ilorest BIOS attributes PersistentMemScanMem, PersistentMemAddressRangeScrub and PersistentMemNumaAffinity may present randomly.
- Fixed an issue where the iLO firmware version may show incorrectly.
- Fixed an issue where system may not have an evenly distributed NUMA node assignments among PCI slots for virtual NUMA mode.
- Addressed an issue where System Information Device Inventory in iLO web may show unknown entries after enabling bifurcation.
- Addressed an issue where System Information Device Inventory in iLO web may miss devices after enabling bifurcation.
- Addressed an issue where One button secure erase (OBSE) report may show incorrect Drive Port Number and Box Number for MicroChip SR controller.
- Addressed an issue where system may become stuck after enrolling many certificates and signatures.
- Addressed an issue where duplicated and incorrect task status were logged iLO Event Log.
- Addressed an issue where multiple KEK instances appeared after the enrollment of KEK certificate from Redfish API.
- Addressed an issue where UEFI secure boot dbr signatures were not deleted after deleting all keys via Redfish API.

- Addressed an issue where Negotiated Link Width in RBSU showed incorrect information after configuring bifurcation.
- Addressed an issue where system may encounter RSOD after enrollment of an improper certificate.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of MR controllers.
- Addressed an issue where Redfish BIOS actions, ResetBios and ChangePassword may not work.
- Addressed a secure boot database synchronizing issue via Redfish API.
- Addressed an issue that Battery Failure IML message log may be incorrectly logged for Smart Array Controller with Smart Storage Battery.
- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue when setting "Workload Profile" to 'Custom' and changing "Processor Monitor/Mwait Support" to 'Disabled'. "Processor Monitor/Mwait Support" knob is not seen in the BIOS->Service Options.
- 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 a NVMe drive would not be unmounted when it exceeds the DPC error threshold with ESXi 8.0U2 or newer versions.
- Addressed an issue where system would not be configured as 4 sub-NUMA nodes per socket (SNC4) when Virtual NUMA is enabled and SNC2 is enabled.
- Addressed an issue where updating NVMe-oF initiator name would not take effect.
- Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword were not working.
- Addressed an issue where system may hang while enrolling secure boot key dbr certificate via Redfish API.
- 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 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 value "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Optioins/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".
- Addressed an issue where Redfish resource was not updated after deleting secure boot keys via System Configuration (RBSU).
- Addressed an issue where the system failed to enroll certificate to PK and KEK via Redfish.
- Addressed an issue where the OS could not detect the iSCSI drive through IPv6 installation when iSCSI IpAddressType is set to auto.
- Addressed an issue where the boot order of NVMe drives cannot be changed.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

**Enhancements:**

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
- Enhanced Chinese and Japanese strings translation support in RBSU pages.

- Added new Microsoft Option ROM UEFI CA 2023 secure boot key.
- Updated the boot device string rules to include the case when VMD is enabled.
- Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU->Advanced Options->Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.
- Added new IML messages to indicate the status of NVMe secure erase and AMT.
- Added the System Configuration (RBSU) option "Power and Performance Options/ Advanced Performance Options/HardwarePM Interrupt" and set to ""Disabled"" by default. This setting has the following Redfish property:/redfish/v1/systems/1/bios/settings/HwpmInterrup
- Added Zilia DIMM manufacturer ID for SMBIOS information.
- Updated some Japanese translation.
- Added production HCI marker key for OEM activation for Windows Azure.
- 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
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX License Pre-Grant Override". When enabled, the pre-grant license level will be set based on the value of AVX ICCP Pre-Grant Level option. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxLicensePreGrantOverride
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX ICCP Pre-Grant Level" to pre-grants an AVX level to the core. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxIccpPreGrantLevel
- Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/ PCI-E ASPM Support (Global)" to control ASPM support in all PCIe root port. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings//redfish/v1/systems/1/bios/settings/PcieGlobalAspm

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**Online ROM Flash Component for Windows x64 - System ROM U63**

Version: 2.48_03-11-2025

**Important Notes:**

- This version of the System ROM contains updates aligned with the Intel EGS BKC UPLR3 release.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0.
- This version of the System ROM contains updates aligned with the Intel uPLR2 OOB2 guidance.

- This version of the System ROM contains updates aligned with the Intel uPLR2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-5678, CVE-2024-0727 and CVE-2023-45229. 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 06.01.04.047.0.

**Firmware Dependencies:**

- iLO6 v1.62 is NOT compatible with the Windows and Linux Online ROM Flash Components for versions of the System ROM prior to v2.30. The Online ROM Flash Components released with System ROM v2.30 will work with iLO6 v1.62. For any systems utilizing iLO6 v1.62 or later, flashing the System ROM to versions prior to v2.30 requires utilizing Fwpkg or ROM binary instead of using the Windows or Linux Online ROM Flash Components.

**Problems Fixed:**

- Addressed an issue where the system might RSOD when performing firmware update via Firmware Management Protocol.
- Addressed an issue where the system might RSOD when both TXT and TDX are enabled.
- Addressed an issue where the system might fail to update NVMe drive firmware.
- Addressed an issue where the system might not be able to detect disk removal via NVMe-oF during VMware installation.
- Addressed an issue where the system would use UUID for IPV6 DHCP when DUID-LLT is selected.
- Addressed an issue where the system would report Unsupported DIMM Configuration when having 16+0 DIMM mixed rank population.
- Addressed an issue where the system Consistent Device Naming (CDN) is not working in Windows Server.
- Addressed an issue where the system memory address translation did not match with system limitation.
- Addressed an issue where the system iLO remote console might hang when the System Utilities Language is set to Japanese.
- Addressed an issue where the system might bring up a warning message ("ERST: [Firmware Warn]: too many record IDs!") in the Linux environment during boot up.
- Addressed an issue where the system Max/Min Uncore Frequency value did not be set to default value after loading default settings.
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- Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.
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>NVMe-oF Configuration->NVMe-oF Attempt are still in English after switching the language to non-English version.

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- Addressed an issue where the product name information in Device Inventory of iLO web may show unknown or blank for M.2 drives.
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- Addressed an issue where System Information Device Inventory in iLO web may miss devices after enabling bifurcation.
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- Addressed an issue where system may become stuck after enrolling many certificates and signatures.
- Addressed an issue where duplicated and incorrect task status were logged iLO Event Log.
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- Addressed an issue that Battery Failure IML message log may be incorrectly logged for Smart Array Controller with Smart Storage Battery.
- Addressed an issue where NS204i may not be identified as an NVMe device.

- Addressed an issue when setting "Workload Profile" to 'Custom' and changing "Processor Monitor/Mwait Support" to 'Disabled'. "Processor Monitor/Mwait Support" knob is not seen in the BIOS->Service Options.
- Addressed an issue where the driver Health Message was shown twice in POST when drive was removed and ran cold boot.
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- Addressed an issue where system would not be configured as 4 sub-NUMA nodes per socket (SNC4) when Virtual NUMA is enabled and SNC2 is enabled.
- Addressed an issue where updating NVMe-oF initiator name would not take effect.
- Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword were not working.
- Addressed an issue where system may hang while enrolling secure boot key dbr certificate via Redfish API.
- 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 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 value "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Optioins/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".
- Addressed an issue where Redfish resource was not updated after deleting secure boot keys via System Configuration (RBSU).
- Addressed an issue where the system failed to enroll certificate to PK and KEK via Redfish.
- Addressed an issue where the OS could not detect the iSCSI drive through IPv6 installation when iSCSI IpAddressType is set to auto.
- Addressed an issue where the boot order of NVMe drives cannot be changed.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

**Enhancements:**

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
- Enhanced Chinese and Japanese strings translation support in RBSU pages.
- Added new Microsoft Option ROM UEFI CA 2023 secure boot key.
- Updated the boot device string rules to include the case when VMD is enabled.
- Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU->Advanced Options->Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.
- Added new IML messages to indicate the status of NVMe secure erase and AMT.
- Added the System Configuration (RBSU) option "Power and Performance Options/ Advanced

Performance Options/HardwarePM Interrupt" and set to ""Disabled"" by default. This setting has the following Redfish property:/redfish/v1/systems/1/bios/settings/HwpmInterrup

- Added Zilia DIMM manufacturer ID for SMBIOS information.
- Updated some Japanese translation.
- Added production HCI marker key for OEM activation for Windows Azure.
- 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
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX License Pre-Grant Override". When enabled, the pre-grant license level will be set based on the value of AVX ICCP Pre-Grant Level option. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxLicensePreGrantOverride
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX ICCP Pre-Grant Level" to pre-grants an AVX level to the core. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxIccpPreGrantLevel
- Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/ PCI-E ASPM Support (Global)" to control ASPM support in all PCIe root port. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings//redfish/v1/systems/1/bios/settings/PcieGlobalAspm

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**Online ROM Flash Component for Windows x64 - System ROM U65**

Version: 2.20_03-21-2025

**Important Notes:**

- This version of the System ROM contains updates aligned with the Intel Catlow Refresh MR1 BKC.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.03.04.058.0.
- This version of the System ROM contains updates aligned with the Intel Catlow Refresh BKC CWL.1.A.4420.00.
- This version always set "RBSU¥Power and Performance option¥Enhance C state" to "Enabled" to mitigate processor Vmin shift instability issue per Intel's recommendation.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.03.04.048.0.
- This version of the System ROM contains updates aligned with the Intel Catlow PLR1 guidance.

**Problems Fixed:**

- Addressed an issue where the system may encounter RSOD and fail to update firmware while performing firmware update.
- Addressed an issue where the system may encounter RSOD if NVMe-oF target did not have partitions.

- Addressed an issue where the system might RSOD when performing firmware update via Firmware Management Protocol.
- Addressed an issue where the PSU fan keeps running at high speed after system shutdown.
- Addressed an issue where system may fail to update NVMe drive firmware.
- Addressed an issue where NVMe-oF system may not be detected during VMWare installation.
- Addressed an issue where the maximum frequency of the processor shows incorrectly after enable or disable Intel Turbo Boost.
- Addressed an issue where the system would use UUID for IPV6 DHCP when "RBSU¥Network Options¥Network Boot Options¥IPv6 DHCP Unique Identifier¥DUID-LLT" is selected.
- Addressed an issue where the Consistent Device Naming (CDN) may not work.
- Addressed an issue where the RBSU value is not aligned with the actual C1E setting.
- Addressed an issue where the system might bring up a warning message ("ERST: [Firmware Warn]: too many record IDs!") in the Linux environment during boot up.
- Addressed an issue where some strings of "NVMe-oF Configuration and Attempt pages" in system RBSU menu are still in English after switching the language to non-English version.
- Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.
- Addressed an issue where the system RBSU menu might not display clear drive location information.
- Addressed an issue where the "Server Boot Order" in iLO web is not aligned with "UEFI Boot Order Control" in RBSU.
- Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.
- Addressed an issue where the "Pending Change light" may be on even if there is no option has been modified in RBSU.
- Addressed an issue where One button secure erase (OBSE) report may show incorrect Drive Port Number and Box Number for MicroChip SR controllers.
- Addressed an issue where system may stuck after enrolling many certificates and signatures.
- Addressed an issue where Driver Health Message may show twice in POST when drive is removed and cold boot.
- Addressed an issue where NS204i may not be identified as NVMe device.
- Addressed an issue where the virtual serial port may still have message output when the serial port is set to 'Disabled' or 'Physical Port'.

**Enhancements:**

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
- Added new Microsoft Option Rom UEFI CA 2023 secure boot key.
- Added "Smooth Cooling option" in the RBSU->Advanced Options->Fan and Thermal Options.
- Added Redfish API for Boot Progress.
- Updated Chinese and Japanese translation.
- Added the System Configuration (RBSU) option "Network Options/NVMe-oF Configuration". This setting has the following Redfish property: ¥"/redfish/v1/systems/1/Bios/oem/hpe/nvmeof/".

**ROM Flash Firmware Package - System ROM U54**

Version: 2.48_03-11-2025 (Recommended)

**Important Notes:**

- This version of the System ROM contains updates aligned with the Intel EGS BKC UPLR3 release.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0.
- This version of the System ROM contains updates aligned with the Intel uPLR2 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-5678, CVE-2024-0727 and CVE-2023-45229. 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 06.01.04.047.0.

**Firmware Dependencies:**

- iLO6 v1.62 is NOT compatible with the Windows and Linux Online ROM Flash Components for versions of the System ROM prior to v2.30. The Online ROM Flash Components released with System ROM v2.30 will work with iLO6 v1.62. For any systems utilizing iLO6 v1.62 or later, flashing the System ROM to versions prior to v2.30 requires utilizing Fwpkg or ROM binary instead of using the Windows or Linux Online ROM Flash Components.

**Problems Fixed:**

- Addressed an issue where the system might RSOD when performing firmware update via Firmware Management Protocol.
- Addressed an issue where the system might RSOD when both TXT and TDX are enabled.
- Addressed an issue where the system might fail to update NVMe drive firmware.
- Addressed an issue where the system might not be able to detect disk removal via NVMe-oF during VMware installation.
- Addressed an issue where the system would use UUID for IPV6 DHCP when DUID-LLT is selected.
- Addressed an issue where the system would report Unsupported DIMM Configuration when having 16+0 DIMM mixed rank population.
- Addressed an issue where the system Consistent Device Naming (CDN) is not working in Windows Server.
- Addressed an issue where the system memory address translation did not match with system limitation.
- Addressed an issue where the system iLO remote console might hang when the System Utilities Language is set to Japanese.
- Addressed an issue where the system might bring up a warning message ("ERST: [Firmware Warn]: too many record IDs!") in the Linux environment during boot up.
- Addressed an issue where the system Max/Min Uncore Frequency value did not be set to default value

after loading default settings.

- Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.
- Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.
- Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.
- Addressed an issue where some strings of in the System Configuration->RBSU->Network Options->NVMe-oF Configuration->NVMe-oF Attempt are still in English after switching the language to non-English version.
- Addressed an issue where the system RBSU menu might not display clear drive location information.
- Addressed an issue where fans might rapidly ramp up and then back down.
- Addressed an issue where the "Server Boot Order" in iLO web was not aligned with "UEFI Boot Order Control" in RBSU.
- Addressed an issue where the system might be asserted when plugging in MR416i-p.
- Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.
- Addressed an issue where incorrect drive location information would be shown.
- Addressed an issue where RSOD might occur after enable PCH VMD with 2x M.2 NVMe drives.
- Addressed an issue where the firmware version and status in device inventory show incorrectly after setting bifurcation for option cards.
- Addressed an issue where the product name information in Device Inventory of iLO web may show unknown or blank for M.2 drives.
- Addressed an issue where ilorest BIOS attributes PersistentMemScanMem, PersistentMemAddressRangeScrub and PersistentMemNumaAffinity may present randomly.
- Fixed an issue where the iLO firmware version may show incorrectly.
- Fixed an issue where system may not have an evenly distributed NUMA node assignments among PCI slots for virtual NUMA mode.
- Addressed an issue where System Information Device Inventory in iLO web may show unknown entries after enabling bifurcation.
- Addressed an issue where System Information Device Inventory in iLO web may miss devices after enabling bifurcation.
- Addressed an issue where One button secure erase (OBSE) report may show incorrect Drive Port Number and Box Number for MicroChip SR controller.
- Addressed an issue where system may become stuck after enrolling many certificates and signatures.
- Addressed an issue where duplicated and incorrect task status were logged iLO Event Log.
- Addressed an issue where multiple KEK instances appeared after the enrollment of KEK certificate from Redfish API.
- Addressed an issue where UEFI secure boot dbr signatures were not deleted after deleting all keys via Redfish API.
- Addressed an issue where Negotiated Link Width in RBSU showed incorrect information after configuring bifurcation.

- Addressed an issue where system may encounter RSOD after enrollment of an improper certificate.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of MR controllers.
- Addressed an issue where Redfish BIOS actions, ResetBios and ChangePassword may not work.
- Addressed a secure boot database synchronizing issue via Redfish API.
- Addressed an issue that Battery Failure IML message log may be incorrectly logged for Smart Array Controller with Smart Storage Battery.
- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue when setting "Workload Profile" to 'Custom' and changing "Processor Monitor/Mwait Support" to 'Disabled'. "Processor Monitor/Mwait Support" knob is not seen in the BIOS->Service Options.
- 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 a NVMe drive would not be unmounted when it exceeds the DPC error threshold with ESXi 8.0U2 or newer versions.
- Addressed an issue where system would not be configured as 4 sub-NUMA nodes per socket (SNC4) when Virtual NUMA is enabled and SNC2 is enabled.
- Addressed an issue where updating NVMe-oF initiator name would not take effect.
- Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword were not working.
- Addressed an issue where system may hang while enrolling secure boot key dbr certificate via Redfish API.
- 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 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 value "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Optioins/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".
- Addressed an issue where Redfish resource was not updated after deleting secure boot keys via System Configuration (RBSU).
- Addressed an issue where the system failed to enroll certificate to PK and KEK via Redfish.
- Addressed an issue where the OS could not detect the iSCSI drive through IPv6 installation when iSCSI IpAddressType is set to auto.
- Addressed an issue where the boot order of NVMe drives cannot be changed.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

**Enhancements:**

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
- Enhanced Chinese and Japanese strings translation support in RBSU pages.
- Added new Microsoft Option ROM UEFI CA 2023 secure boot key.
- Updated the boot device string rules to include the case when VMD is enabled.

- Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU->Advanced Options->Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.
- Added new IML messages to indicate the status of NVMe secure erase and AMT.
- Added the System Configuration (RBSU) option "Power and Performance Options/ Advanced Performance Options/HardwarePM Interrupt" and set to ""Disabled"" by default. This setting has the following Redfish property:/redfish/v1/systems/1/bios/settings/HwpmInterrup
- Added Zilia DIMM manufacturer ID for SMBIOS information.
- Updated some Japanese translation.
- Added production HCI marker key for OEM activation for Windows Azure.
- 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
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX License Pre-Grant Override". When enabled, the pre-grant license level will be set based on the value of AVX ICCP Pre-Grant Level option. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxLicensePreGrantOverride
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX ICCP Pre-Grant Level" to pre-grants an AVX level to the core. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxIccpPreGrantLevel
- Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/ PCI-E ASPM Support (Global)" to control ASPM support in all PCIe root port. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings//redfish/v1/systems/1/bios/settings/PcieGlobalAspm

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**ROM Flash Firmware Package - System ROM U63**

Version: 2.48_03-11-2025 (Recommended)

**Important Notes:**

- This version of the System ROM contains updates aligned with the Intel EGS BKC UPLR3 release.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0.
- This version of the System ROM contains updates aligned with the Intel uPLR2 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR2 guidance.

- This version of the System ROM contains updates aligned with the Intel uPLR1 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-5678, CVE-2024-0727 and CVE-2023-45229. 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 06.01.04.047.0.

**Firmware Dependencies:**

- iLO6 v1.62 is NOT compatible with the Windows and Linux Online ROM Flash Components for versions of the System ROM prior to v2.30. The Online ROM Flash Components released with System ROM v2.30 will work with iLO6 v1.62. For any systems utilizing iLO6 v1.62 or later, flashing the System ROM to versions prior to v2.30 requires utilizing Fwpkg or ROM binary instead of using the Windows or Linux Online ROM Flash Components.

**Problems Fixed:**

- Addressed an issue where the system might RSOD when performing firmware update via Firmware Management Protocol.
- Addressed an issue where the system might RSOD when both TXT and TDX are enabled.
- Addressed an issue where the system might fail to update NVMe drive firmware.
- Addressed an issue where the system might not be able to detect disk removal via NVMe-oF during VMware installation.
- Addressed an issue where the system would use UUID for IPV6 DHCP when DUID-LLT is selected.
- Addressed an issue where the system would report Unsupported DIMM Configuration when having 16+0 DIMM mixed rank population.
- Addressed an issue where the system Consistent Device Naming (CDN) is not working in Windows Server.
- Addressed an issue where the system memory address translation did not match with system limitation.
- Addressed an issue where the system iLO remote console might hang when the System Utilities Language is set to Japanese.
- Addressed an issue where the system might bring up a warning message ("ERST: [Firmware Warn]: too many record IDs!") in the Linux environment during boot up.
- Addressed an issue where the system Max/Min Uncore Frequency value did not be set to default value after loading default settings.
- Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.
- Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.
- Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.
- Addressed an issue where some strings of in the System Configuration->RBSU->Network Options->NVMe-oF Configuration->NVMe-oF Attempt are still in English after switching the language to non-

English version.

- Addressed an issue where the system RBSU menu might not display clear drive location information.
- Addressed an issue where fans might rapidly ramp up and then back down.
- Addressed an issue where the "Server Boot Order" in iLO web was not aligned with "UEFI Boot Order Control" in RBSU.
- Addressed an issue where the system might be asserted when plugging in MR416i-p.
- Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.
- Addressed an issue where incorrect drive location information would be shown.
- Addressed an issue where RSOD might occur after enable PCH VMD with 2x M.2 NVMe drives.
- Addressed an issue where the firmware version and status in device inventory show incorrectly after setting bifurcation for option cards.
- Addressed an issue where the product name information in Device Inventory of iLO web may show unknown or blank for M.2 drives.
- Addressed an issue where ilorest BIOS attributes PersistentMemScanMem, PersistentMemAddressRangeScrub and PersistentMemNumaAffinity may present randomly.
- Fixed an issue where the iLO firmware version may show incorrectly.
- Fixed an issue where system may not have an evenly distributed NUMA node assignments among PCI slots for virtual NUMA mode.
- Addressed an issue where System Information Device Inventory in iLO web may show unknown entries after enabling bifurcation.
- Addressed an issue where System Information Device Inventory in iLO web may miss devices after enabling bifurcation.
- Addressed an issue where One button secure erase (OBSE) report may show incorrect Drive Port Number and Box Number for MicroChip SR controller.
- Addressed an issue where system may become stuck after enrolling many certificates and signatures.
- Addressed an issue where duplicated and incorrect task status were logged iLO Event Log.
- Addressed an issue where multiple KEK instances appeared after the enrollment of KEK certificate from Redfish API.
- Addressed an issue where UEFI secure boot dbr signatures were not deleted after deleting all keys via Redfish API.
- Addressed an issue where Negotiated Link Width in RBSU showed incorrect information after configuring bifurcation.
- Addressed an issue where system may encounter RSOD after enrollment of an improper certificate.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of MR controllers.
- Addressed an issue where Redfish BIOS actions, ResetBios and ChangePassword may not work.
- Addressed a secure boot database synchronizing issue via Redfish API.
- Addressed an issue that Battery Failure IML message log may be incorrectly logged for Smart Array Controller with Smart Storage Battery.
- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue when setting "Workload Profile" to 'Custom' and changing "Processor

Monitor/Mwait Support" to 'Disabled'. "Processor Monitor/Mwait Support" knob is not seen in the BIOS->Service Options.

- 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 a NVMe drive would not be unmounted when it exceeds the DPC error threshold with ESXi 8.0U2 or newer versions.
- Addressed an issue where system would not be configured as 4 sub-NUMA nodes per socket (SNC4) when Virtual NUMA is enabled and SNC2 is enabled.
- Addressed an issue where updating NVMe-oF initiator name would not take effect.
- Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword were not working.
- Addressed an issue where system may hang while enrolling secure boot key dbr certificate via Redfish API.
- 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 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 value "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform Module Optioins/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".
- Addressed an issue where Redfish resource was not updated after deleting secure boot keys via System Configuration (RBSU).
- Addressed an issue where the system failed to enroll certificate to PK and KEK via Redfish.
- Addressed an issue where the OS could not detect the iSCSI drive through IPv6 installation when iSCSI IpAddressType is set to auto.
- Addressed an issue where the boot order of NVMe drives cannot be changed.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

**Enhancements:**

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
- Enhanced Chinese and Japanese strings translation support in RBSU pages.
- Added new Microsoft Option ROM UEFI CA 2023 secure boot key.
- Updated the boot device string rules to include the case when VMD is enabled.
- Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU->Advanced Options->Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.
- Added new IML messages to indicate the status of NVMe secure erase and AMT.
- Added the System Configuration (RBSU) option "Power and Performance Options/ Advanced Performance Options/HardwarePM Interrupt" and set to ""Disabled"" by default. This setting has the

following Redfish property:/redfish/v1/systems/1/bios/settings/HwpmInterrup

- Added Zilia DIMM manufacturer ID for SMBIOS information.
- Updated some Japanese translation.
- Added production HCI marker key for OEM activation for Windows Azure.
- 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
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX License Pre-Grant Override". When enabled, the pre-grant license level will be set based on the value of AVX ICCP Pre-Grant Level option. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxLicensePreGrantOverride
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- Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/ PCI-E ASPM Support (Global)" to control ASPM support in all PCIe root port. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings//redfish/v1/systems/1/bios/settings/PcieGlobalAspm

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**Online ROM Flash Component for Windows x64 - System ROM U59**

Version: 2.48_03-11-2025 (Recommended)

**Important Notes:**

- This version of the System ROM contains updates aligned with the Intel EGS BKC UPLR3 release.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0.
- This version of the System ROM contains updates aligned with the Intel uPLR2 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-5678, CVE-2024-0727 and CVE-2023-45229. 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 06.01.04.047.0.

**Firmware Dependencies:**

- iLO6 v1.62 is NOT compatible with the Windows and Linux Online ROM Flash Components for versions of

the System ROM prior to v2.30. The Online ROM Flash Components released with System ROM v2.30 will work with iLO6 v1.62. For any systems utilizing iLO6 v1.62 or later, flashing the System ROM to versions prior to v2.30 requires utilizing Fwpkg or ROM binary instead of using the Windows or Linux Online ROM Flash Components.

**Problems Fixed:**

- Addressed an issue where the system might RSOD when performing firmware update via Firmware Management Protocol.
- Addressed an issue where the system might RSOD when both TXT and TDX are enabled.
- Addressed an issue where the system might fail to update NVMe drive firmware.
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- Updated some Japanese translation.
- Added production HCI marker key for OEM activation for Windows Azure.
- 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
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced

Performance Tuning Options/Intel(R) AVX License Pre-Grant Override". When enabled, the pre-grant license level will be set based on the value of AVX ICCP Pre-Grant Level option. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxLicensePreGrantOverride

- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX ICCP Pre-Grant Level" to pre-grants an AVX level to the core. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxIccpPreGrantLevel
- Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/ PCI-E ASPM Support (Global)" to control ASPM support in all PCIe root port. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings//redfish/v1/systems/1/bios/settings/PcieGlobalAspm

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**ROM Flash Firmware Package - System ROM U59**

Version: 2.48_03-11-2025 (Recommended)

**Important Notes:**

- This version of the System ROM contains updates aligned with the Intel EGS BKC UPLR3 release.
- This version of the System ROM should be paired with Server Platform Services (SPS) Firmware 06.01.04.075.0.
- This version of the System ROM contains updates aligned with the Intel uPLR2 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 OOB2 guidance.
- This version of the System ROM contains updates aligned with the Intel uPLR1 guidance.
- This revision of the System ROM includes the mitigation for security vulnerabilities CVE-2023-5678, CVE-2024-0727 and CVE-2023-45229. 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 06.01.04.047.0.

**Firmware Dependencies:**

- iLO6 v1.62 is NOT compatible with the Windows and Linux Online ROM Flash Components for versions of the System ROM prior to v2.30. The Online ROM Flash Components released with System ROM v2.30 will work with iLO6 v1.62. For any systems utilizing iLO6 v1.62 or later, flashing the System ROM to versions prior to v2.30 requires utilizing Fwpkg or ROM binary instead of using the Windows or Linux Online ROM Flash Components.

**Problems Fixed:**

- Addressed an issue where the system might RSOD when performing firmware update via Firmware Management Protocol.
- Addressed an issue where the system might RSOD when both TXT and TDX are enabled.

- Addressed an issue where the system might fail to update NVMe drive firmware.
- Addressed an issue where the system might not be able to detect disk removal via NVMe-oF during VMware installation.
- Addressed an issue where the system would use UUID for IPV6 DHCP when DUID-LLT is selected.
- Addressed an issue where the system would report Unsupported DIMM Configuration when having 16+0 DIMM mixed rank population.
- Addressed an issue where the system Consistent Device Naming (CDN) is not working in Windows Server.
- Addressed an issue where the system memory address translation did not match with system limitation.
- Addressed an issue where the system iLO remote console might hang when the System Utilities Language is set to Japanese.
- Addressed an issue where the system might bring up a warning message ("ERST: [Firmware Warn]: too many record IDs!") in the Linux environment during boot up.
- Addressed an issue where the system Max/Min Uncore Frequency value did not be set to default value after loading default settings.
- Addressed an issue where the system might detect memory uncorrectable error while system has been idle for extended period of time.
- Addressed an issue where the system might hang at memory initialization after restoring system setting to factory default.
- Addressed an issue where system RBSU menu might list duplicate or incorrect network interfaces in the selection page.
- Addressed an issue where some strings of in the System Configuration->RBSU->Network Options->NVMe-oF Configuration->NVMe-oF Attempt are still in English after switching the language to non-English version.
- Addressed an issue where the system RBSU menu might not display clear drive location information.
- Addressed an issue where fans might rapidly ramp up and then back down.
- Addressed an issue where the "Server Boot Order" in iLO web was not aligned with "UEFI Boot Order Control" in RBSU.
- Addressed an issue where the system might be asserted when plugging in MR416i-p.
- Addressed an issue where an error message in Linux would indicate TCG log size is not compatible.
- Addressed an issue where incorrect drive location information would be shown.
- Addressed an issue where RSOD might occur after enable PCH VMD with 2x M.2 NVMe drives.
- Addressed an issue where the firmware version and status in device inventory show incorrectly after setting bifurcation for option cards.
- Addressed an issue where the product name information in Device Inventory of iLO web may show unknown or blank for M.2 drives.
- Addressed an issue where ilorest BIOS attributes PersistentMemScanMem, PersistentMemAddressRangeScrub and PersistentMemNumaAffinity may present randomly.
- Fixed an issue where the iLO firmware version may show incorrectly.
- Fixed an issue where system may not have an evenly distributed NUMA node assignments among PCI slots for virtual NUMA mode.

- Addressed an issue where System Information Device Inventory in iLO web may show unknown entries after enabling bifurcation.
- Addressed an issue where System Information Device Inventory in iLO web may miss devices after enabling bifurcation.
- Addressed an issue where One button secure erase (OBSE) report may show incorrect Drive Port Number and Box Number for MicroChip SR controller.
- Addressed an issue where system may become stuck after enrolling many certificates and signatures.
- Addressed an issue where duplicated and incorrect task status were logged iLO Event Log.
- Addressed an issue where multiple KEK instances appeared after the enrollment of KEK certificate from Redfish API.
- Addressed an issue where UEFI secure boot dbr signatures were not deleted after deleting all keys via Redfish API.
- Addressed an issue where Negotiated Link Width in RBSU showed incorrect information after configuring bifurcation.
- Addressed an issue where system may encounter RSOD after enrollment of an improper certificate.
- Addressed an issue where the Logical Drive name was cleared in RBSU after leaving the configuration page of MR controllers.
- Addressed an issue where Redfish BIOS actions, ResetBios and ChangePassword may not work.
- Addressed a secure boot database synchronizing issue via Redfish API.
- Addressed an issue that Battery Failure IML message log may be incorrectly logged for Smart Array Controller with Smart Storage Battery.
- Addressed an issue where NS204i may not be identified as an NVMe device.
- Addressed an issue when setting "Workload Profile" to 'Custom' and changing "Processor Monitor/Mwait Support" to 'Disabled'. "Processor Monitor/Mwait Support" knob is not seen in the BIOS->Service Options.
- 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 a NVMe drive would not be unmounted when it exceeds the DPC error threshold with ESXi 8.0U2 or newer versions.
- Addressed an issue where system would not be configured as 4 sub-NUMA nodes per socket (SNC4) when Virtual NUMA is enabled and SNC2 is enabled.
- Addressed an issue where updating NVMe-oF initiator name would not take effect.
- Addressed an issue where Redfish BIOS actions, ResetBIOS and ChangePassword were not working.
- Addressed an issue where system may hang while enrolling secure boot key dbr certificate via Redfish API.
- 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 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 value "Not Specified" in System Configuration (RBSU) option "Server Security/Trusted Platform

Module Optioins/Current TPM 2.0 Active PCRs" and set the default value as "SHA1 and SHA256".

- Addressed an issue where Redfish resource was not updated after deleting secure boot keys via System Configuration (RBSU).
- Addressed an issue where the system failed to enroll certificate to PK and KEK via Redfish.
- Addressed an issue where the OS could not detect the iSCSI drive through IPv6 installation when iSCSI IpAddressType is set to auto.
- Addressed an issue where the boot order of NVMe drives cannot be changed.
- Addressed an issue where system may encounter a RSOD while updating SAS drive FW.

**Enhancements:**

- Added pop-up message for all Intelligent Provisioning boot paths to warn users of the risk of data loss.
- Enhanced Chinese and Japanese strings translation support in RBSU pages.
- Added new Microsoft Option ROM UEFI CA 2023 secure boot key.
- Updated the boot device string rules to include the case when VMD is enabled.
- Added the "Smooth Cooling" selection to the Thermal Configuration option in the RBSU->Advanced Options->Fan and Thermal Options. This selection modifies the fan speed response to improve acoustics by reducing the rate of fan speed changes. This can improve acoustics for workloads which significantly vary CPU utilization. Note that this option can result in a small reduction in performance due to the short durations of CPU thermal throttling and some operating systems, such as Linux, may log CPU thermal throttling events. These events do not indicate an issue with the system and can be ignored.
- Added new IML messages to indicate the status of NVMe secure erase and AMT.
- Added the System Configuration (RBSU) option "Power and Performance Options/ Advanced Performance Options/HardwarePM Interrupt" and set to ""Disabled"" by default. This setting has the following Redfish property:/redfish/v1/systems/1/bios/settings/HwpmInterrup
- Added Zilia DIMM manufacturer ID for SMBIOS information.
- Updated some Japanese translation.
- Added production HCI marker key for OEM activation for Windows Azure.
- 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
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX License Pre-Grant Override". When enabled, the pre-grant license level will be set based on the value of AVX ICCP Pre-Grant Level option. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxLicensePreGrantOverride
- Added the System Configuration (RBSU) option "Power and Performance Options/Advanced Performance Tuning Options/Intel(R) AVX ICCP Pre-Grant Level" to pre-grants an AVX level to the core. This setting has the following Redfish property: /redfish/v1/systems/1/bios/settings/AvxIccpPreGrantLevel
- Added the System Configuration (RBSU) option "PCIe Device Configuration/Advanced PCIe Configuration/ PCI-E ASPM Support (Global)" to control ASPM support in all PCIe root port. This setting

has the following Redfish property:
/redfish/v1/systems/1/bios/settings//redfish/v1/systems/1/bios/settings/PcieGlobalAspm

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**Online ROM Flash Component for Windows x64 - iLO 6**

Version: 1.67

**Problems Fixed:**

- Fixed an issue where there was no VSP output on DL360 Gen11 iLO6 due to stack overflow on VSP log buffer handling.
- Fixed an issue where the fan speed was not set as per the thermal configuration due to server device discovery not reaching vMainDeviceDiscoveryComplete.
- Fixed an issue that did not allow to enable mTLS for subscription and returned error in loading client private key.
- Fixed an issue where param2 check-in challenge_auth response for NVIDIA adapter failed during SPDM authentication.
- Fixed an issue where the Kerberos client advertised insecure encryption (RC4, DES) types and rejected the deprecated ones. As a part of this fix, RC4, DES, and 3DES algorithms are removed from the Kerberos requests.
- Fixed an issue where the MCTP retry mechanism in i2c communication failed.
- Fixed an issue where a low value of the iLO reset progress bar time caused mismatch in the configuration during the iLO reset time.
- Fixed an issue where the IPMI fan's pwm values were set to a default of 255 to calculate dutycycle percentage.
- Fixed an issue with the time delay between retries for PCIe VDM transmit buffer.
- Fixed an issue for the sensor values that were reported in the GET_SENSOR response though these sensors were marked as non-supported in the PDR table.
- Fixed a BundleUpdate issue for Smart components of size greater than 32MB size.
- Fixed an issue where iLO RIBCL queries generated incorrect CAPACITY VALUE responses.
- Fixed an issue where fetching the email details of LDAP user where DistinguishedName containing special characters were causing the two-factor authentication process to fail.
- Fixed the cpqHoMIBStatusArray status issue that did not get updated with proper details when a drive attached to Smart Array P408i-a SR controller failed or degraded.

**Enhancements:**

- Ability of iLO Redfish to raise a clear event notification for an air filter replacement.
- Support for the Virtual Media Mount URL length increased to 1023 characters.
- Ability of the iLO interface to set and obtain the thermal configuration setting called Smooth Cooling along with the other existing configurations.
- Support for reporting boot progress states and boot time of a system through standard DMTF Redfish API.

- Added support to Add to Queue pane to move the task to the start of the installation queue.
- Added support to display the total estimated fan power consumption of all the fans in the server in the power meter graphs.
- Support for LLDP (link layer discovery protocol) over a Dedicated Network that is used by network devices for advertising their identity, capabilities, and neighbors on a LAN based on IEEE technology.

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**Online ROM Flash Firmware Package - iLO 6**

Version: 1.67

**Problems Fixed:**

- Fixed an issue where there was no VSP output on DL360 Gen11 iLO6 due to stack overflow on VSP log buffer handling.
- Fixed an issue where the fan speed was not set as per the thermal configuration due to server device discovery not reaching vMainDeviceDiscoveryComplete.
- Fixed an issue that did not allow to enable mTLS for subscription and returned error in loading client private key.
- Fixed an issue where param2 check-in challenge_auth response for NVIDIA adapter failed during SPDM authentication.
- Fixed an issue where the Kerberos client advertised insecure encryption (RC4, DES) types and rejected the deprecated ones. As a part of this fix, RC4, DES, and 3DES algorithms are removed from the Kerberos requests.
- Fixed an issue where the MCTP retry mechanism in i2c communication failed.
- Fixed an issue where a low value of the iLO reset progress bar time caused mismatch in the configuration during the iLO reset time.
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- Fixed an issue with the time delay between retries for PCIe VDM transmit buffer.
- Fixed an issue for the sensor values that were reported in the GET_SENSOR response though these sensors were marked as non-supported in the PDR table.
- Fixed a BundleUpdate issue for Smart components of size greater than 32MB size.
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- Fixed the cpqHoMIBStatusArray status issue that did not get updated with proper details when a drive attached to Smart Array P408i-a SR controller failed or degraded.

**Enhancements:**

- Ability of iLO Redfish to raise a clear event notification for an air filter replacement.
- Support for the Virtual Media Mount URL length increased to 1023 characters.
- Ability of the iLO interface to set and obtain the thermal configuration setting called Smooth Cooling along with the other existing configurations.

- Support for reporting boot progress states and boot time of a system through standard DMTF Redfish API.
- Added support to Add to Queue pane to move the task to the start of the installation queue.
- Added support to display the total estimated fan power consumption of all the fans in the server in the power meter graphs.
- Support for LLDP (link layer discovery protocol) over a Dedicated Network that is used by network devices for advertising their identity, capabilities, and neighbors on a LAN based on IEEE technology.

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**Identifiers for Intel Xeon E-24xx Processor for Microsoft Windows**

Version: 10.1.19886.8592 (Recommended)

**Enhancements**

- Updated supported environments

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**Identifiers for Intel Xeon Scalable Processors (Fourth and Fifth Generation) for Microsoft Windows**

Version: 10.1.19879.8585 (B) (Recommended)

**Enhancements**

- Updated support environments

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**Broadcom NetXtreme-E Driver for Microsoft Windows Server 2022**

Version: 232.0.155.7 (Recommended)

**Important Note!**

- HPE recommends the firmware provided in Broadcom Firmware Package for BCM5741x, BCM5750x and BCM5760x adapters, version 232.1.132.8 or later, for use with this driver.

**Fixes**

This product fixes the issue where an unused release.txt file was not removed.

**Enhancements**

- This product enhances the reporting of a consistent PTP clock for NXE family devices.
- This product enhances device compatibility by adding the necessary PNP ID.

**Supported Devices and Features**

This product supports the following network adapters:

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

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**Broadcom NetXtreme-E Driver for Microsoft Windows Server 2025**

Version: 232.0.155.7 (Recommended)

**Important Note!**

- HPE recommends the firmware provided in Broadcom Firmware Package for BCM5741x, BCM5750x and BCM5760x adapters, version 232.1.132.8 or later, for use with this driver.

**Fixes**

This product fixes the issue where an unused release.txt file was not removed.

**Enhancements**

- This product enhances the reporting of a consistent PTP clock for NXE family devices.
- This product enhances device compatibility by adding the necessary PNP ID.

**Supported Devices and Features**

This product supports the following network adapters:

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

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**Broadcom NX1 1Gb Driver for Windows Server x64 Editions**

Version: 221.0.7.0 (B) (Recommended)

**Important Note!**

- HPE recommends the firmware provided in HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.3.0 or later, for use with this driver.

**Enhancements**

- This product enhances to enable RSS code to support systems with more than 256 CPU cores.
- This product enhances to support Wake-on-LAN with 1G connection.

**Supported Devices and Features**

This product supports the following network adapters:

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

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

Version: 1.10.3-232.0.155.5 (Recommended)

**Important Note!**

HPE recommends the HPE Broadcom NetXtreme-E Firmware Version, 232.1.132008 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 has fixed the ETS validation issue to prevent traffic class (TC) starvation caused by incorrect bandwidth allocation.
- This product fixes the issue where debugfs qp_info displays the UDP source port value incorrectly.
- This product fixes the issue where the device fails to unregister from PTP during shutdown or suspend.
- This product fixes the issue where IPv6 VXLAN decapsulation was not properly supported.
- This product fixes the issue where out-of-sequence (OOS) packets were being dropped.
- This product fixes the issue where flow priority levels 0-3 were not handled correctly.
- This product fixes the issue where the coredump file decoder crashes when generating a coredump summary.

**Enhancements**

- This product enhances to update the installation location for nicclilom to the correct path.
- This product enhances functionality by querying DCB settings when the NETDEV_CHANGE event occurs.

**Supported Devices and Features**

This product supports the following network adapters:

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

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**HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9**

Version: 1.10.3-232.0.155.5 (Recommended)

**Important Note!**

HPE recommends the HPE Broadcom NetXtreme-E Firmware Version, 232.1.132008 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 has fixed the ETS validation issue to prevent traffic class (TC) starvation caused by incorrect bandwidth allocation.
- This product fixes the issue where debugfs qp_info displays the UDP source port value incorrectly.
- This product fixes the issue where the device fails to unregister from PTP during shutdown or suspend.
- This product fixes the issue where IPv6 VXLAN decapsulation was not properly supported.
- This product fixes the issue where out-of-sequence (OOS) packets were being dropped.

- This product fixes the issue where flow priority levels 0-3 were not handled correctly.
- This product fixes the issue where the coredump file decoder crashes when generating a coredump summary.

**Enhancements**

- This product enhances to update the installation location for nicclilom to the correct path.
- This product enhances functionality by querying DCB settings when the NETDEV_CHANGE event occurs.

**Supported Devices and Features**

This product supports the following network adapters:

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

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**HPE Broadcom NetXtreme-E Drivers for VMware vSphere 8.0**

Version: 2025.03.00 (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, 232.1.132008 or later, for use with this driver.

**Enhancements**

- This product enhances to add support for Tunnel based TPA (TCP Packet Aggregation).
- This product enhances the coredump feature for generating the summary of a coredump file.

**Supported Devices and Features**

This product supports the following network adapters:

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

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**HPE Broadcom NetXtreme-E Drivers for VMware vSphere 9.0**

Version: 2025.03.00 (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, 232.1.132008 or later, for use with this driver.

**Enhancements**

Initial release.

**Supported Devices and Features**

This product supports the following network adapters:

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

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**HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 8 Update 10.**

Version: 232.0.155.5 (Recommended)

**Prerequisites**

HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8, version 1.10.3- 232.0.155.5 or later, must be installed before installing this product.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 fixes the issue where Dynamic Interrupt Moderation fails to shut down properly.
- This product fixes the issue where the coredump file decoder crashes when generating the summary of a coredump file.

**Enhancements**

This product enhances RDMA functionality by enabling the RDMA flag update based on firmware capability.

**Supported Devices and Features**

This product supports the following network adapters:

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

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

Version: 232.0.155.5 (Recommended)

**Prerequisites**

HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 8, version 1.10.3- 232.0.155.5 or later, must be installed before installing this product.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 fixes the issue where Dynamic Interrupt Moderation fails to shut down properly.
- This product fixes the issue where the coredump file decoder crashes when generating the summary of a coredump file.

**Enhancements**

This product enhances RDMA functionality by enabling the RDMA flag update based on firmware capability.

**Supported Devices and Features**

This product supports the following network adapters:

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

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**HPE Broadcom NetXtreme-E RoCE Library for Red Hat Enterprise Linux 9 Update 4.**

Version: 232.0.155.5 (Recommended)

**Prerequisites**

HPE Broadcom NetXtreme-E Drivers for Red Hat Enterprise Linux 9, version 1.10.3- 232.0.155.5 or later, must be installed before installing this product.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 fixes the issue where Dynamic Interrupt Moderation fails to shut down properly.
- This product fixes the issue where the coredump file decoder crashes when generating the summary of a coredump file.

**Enhancements**

This product enhances RDMA functionality by enabling the RDMA flag update based on firmware capability.

**Supported Devices and Features**

This product supports the following network adapters:

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

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**HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 8**

Version: 3.139q-1 (Recommended)

**Important Note!**

HPE recommends the firmware provided in HPE NX1 Broadcom Online Firmware Upgrade Utility for Linux x86_64, version 2.40.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.

**Fixes**

This product fix issue where tg3 driver doesn't report correct tg3 driver name in dmesg.

**Supported Devices and Features**

These drivers support the following network adapters:

- 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 BCM5719 Ethernet 1Gb 4-port Base-T LOM Adapter for HPE

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**HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 9**

Version: 3.139q-1 (Recommended)

**Important Note!**

HPE recommends the firmware provided in HPE NX1 Broadcom Online Firmware Upgrade Utility for Linux x86_64, version 2.40.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.

**Fixes**

This product fix issue where tg3 driver doesn't report correct tg3 driver name in dmesg.

**Supported Devices and Features**

These drivers support the following network adapters:

- 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 BCM5719 Ethernet 1Gb 4-port Base-T LOM Adapter for HPE

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**HPE Intel iavf Drivers for Red Hat Enterprise Linux 8**

Version: 4.12.5-1 (Recommended)

**Important Note!**

HPE recommends the firmware provided below,

- HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.32.0 or later, for use with these drivers.
- Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.32.0 or later, for use with these drivers.
- Intel Firmware Package For E810, version 4.60 or later for use with these drivers.

**Fixes**

This product fixes the ethtool set_channles timeout when RDMA is loaded.

**Enhancements**

This product now sets the minimum number of allocated queues to 4.

**Supported Devices and Features**

This product supports the following network adapters:

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

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**HPE Intel iavf Drivers for Red Hat Enterprise Linux 9**

Version: 4.12.5-1 (B) (Recommended)

**Important Note!**

HPE recommends the firmware provided below,

- HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.32.0 or later, for use with these drivers.
- Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.32.0 or later, for use with these drivers.
- Intel Firmware Package For E810, version 4.60 or later for use with these drivers.

**Enhancements**

This product is now supported on a new platform.

**Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-2CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 Adapter for HPE
- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter for HPE
- Intel E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 MCLK 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: 6.17.4-1 (Recommended)

**Important Note!**

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.32.0 or later, for use with these drivers.

**Fixes**

This product fixes the kernel compilation issue.

**Supported Devices and Features**

These drivers support the following network adapters:

- 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
- Intel(R) I350 Gigabit Network Connection

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**HPE Intel igb Drivers for Red Hat Enterprise Linux 9**

Version: 5.17.4-1 (Recommended)

**Important Note!**

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86_64, version 1.32.0 or later, for use with these drivers.

**Fixes**

This product fixes the kernel compilation issue.

**Supported Devices and Features**

These drivers support the following network adapters:

- 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
- Intel(R) I350 Gigabit Network Connection

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**HPE Intel igbn 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 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**

These drivers support the following network adapters:

- 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
- Intel(R) I350 Gigabit Network Connection

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**HPE Intel igbn Driver for VMware vSphere 9.0**

Version: 2025.03.00 (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 HPE Intel Online Firmware Upgrade Utility for VMware, version 3.24.0 or later, for use with this driver.

**Enhancements**

Initial version.

**Supported Devices and Features**

These drivers support the following network adapters:

- 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
- Intel(R) I350 Gigabit Network Connection

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**Hat Enterprise Linux 8 Update 10 (x86_64)**

Version: 24.10-0.7.0.1 (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**

The following issues have been fixed in version 24.10-0.7.0.1:

- The udev rule included an invalid line in its syntax that triggered the error message: "/usr/lib/udev/rules.d/90-ib.rules:4 Only network interfaces can be renamed".
- "rdma-core" build failure due to the following symbol issues in rdma-core: 1) mad_register_port_client() symbol did not need to be exported 2) The XDR speed decoding functions were not properly exported.
- When trying to configure the initiator/responder depth to 12, the driver actually configured the

depth to 8 (power of 2 rounded down), and the user received an RDMA NAK when RDMA read requests were posted.

**Enhancements**

The following new features and changes have been included in version 24.10-0.7.0.1:

- [Beta] Added support for QoS scheduling across multiple E-Switches grouped in a LAG. VPort members of a Physical Function can be added to a rate group from another Physical Function and rate limits of the group will apply to those VPort members as well.
- Added kernel support for monitoring RDMA events from userspace. Using the netlink or the RDMA tool, users will be able to monitor the InfiniBand device events and changes such as device register, device unregister and netdev attachment/detachment.
- Added the "irqs" directory inside the SF sysfs directory to provide the users information about the mapping of SFs and their IRQs.
- Added support for setting a maximum number of completion EQs for SFs.
- Added support for up to 23 bits for uar_page_index in create_cq flow. This allows the user to perform create_cq with a uar_page_index larger than 2^16 as supported by the hardware/firmware.
- [Beta] Added support for specifying bandwidth proportions between traffic classes (TC) in the devlink-rate API. This new option allows users to allocate bandwidth across multiple traffic classes in a single command. This feature provides a more granular control over traffic management, especially for scenarios requiring Enhanced Transmission Selection. Users can now define a specific bandwidth share for each traffic class, such as allocating 20% for TC0 (TCP/UDP) and 80% for TC5 (RoCE).

**Supported Devices and Features**

SUPPORTED KERNELS:The kernels of Red Hat Enterprise Linux 8 update 10 (x86_64) supported by this binary rpm are:

- 4.18.0-553.el8_10 (x86_64) and future update kernels.

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**HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 8 Update 9 (x86_64)**

Version: 24.10-0.7.0.1 (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**

The following issues have been fixed in version 24.10-0.7.0.1:

- The udev rule included an invalid line in its syntax that triggered the error message: "/usr/lib/udev/rules.d/90-ib.rules:4 Only network interfaces can be renamed".
- "rdma-core" build failure due to the following symbol issues in rdma-core: 1) mad_register_port_client() symbol did not need to be exported 2) The XDR speed decoding functions were not properly exported.
- When trying to configure the initiator/responder depth to 12, the driver actually configured the depth to 8 (power of 2 rounded down), and the user received an RDMA NAK when RDMA read requests were posted.

**Enhancements**

The following new features and changes have been included in version 24.10-0.7.0.1:

- [Beta] Added support for QoS scheduling across multiple E-Switches grouped in a LAG. VPort members of a Physical Function can be added to a rate group from another Physical Function and rate limits of the group will apply to those VPort members as well.
- Added kernel support for monitoring RDMA events from userspace. Using the netlink or the RDMA tool, users will be able to monitor the InfiniBand device events and changes such as device register, device unregister and netdev attachment/detachment.
- Added the "irqs" directory inside the SF sysfs directory to provide the users information about the mapping of SFs and their IRQs.
- Added support for setting a maximum number of completion EQs for SFs.
- Added support for up to 23 bits for uar_page_index in create_cq flow. This allows the user to perform create_cq with a uar_page_index larger than 2^16 as supported by the hardware/firmware.
- [Beta] Added support for specifying bandwidth proportions between traffic classes (TC) in the devlink-rate API. This new option allows users to allocate bandwidth across multiple traffic classes in a single command. This feature provides a more granular control over traffic management, especially for scenarios requiring Enhanced Transmission Selection. Users can now define a specific bandwidth share for each traffic class, such as allocating 20% for TC0 (TCP/UDP) and 80% for TC5 (RoCE).

**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.

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**HPE Mellanox RoCE ConnectX-4, ConnectX-5, ConnectX-6 and ConnectX-7 Driver for Red Hat Enterprise Linux 9 Update 4 (x86_64)**

Version: 24.10-0.7.0.1 (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**

The following issues have been fixed in version 24.10-0.7.0.1:

- The udev rule included an invalid line in its syntax that triggered the error message: "/usr/lib/udev/rules.d/90-ib.rules:4 Only network interfaces can be renamed".
- "rdma-core" build failure due to the following symbol issues in rdma-core: 1) mad_register_port_client() symbol did not need to be exported 2) The XDR speed decoding functions were not properly exported.
- When trying to configure the initiator/responder depth to 12, the driver actually configured the depth to 8 (power of 2 rounded down), and the user received an RDMA NAK when RDMA read requests were posted.

**Enhancements**

The following new features and changes have been included in version 24.10-0.7.0.1:

- [Beta] Added support for QoS scheduling across multiple E-Switches grouped in a LAG. VPort members of a Physical Function can be added to a rate group from another Physical Function and rate limits of the group will apply to those VPort members as well.
- Added kernel support for monitoring RDMA events from userspace. Using the netlink or the RDMA tool, users will be able to monitor the InfiniBand device events and changes such as device register, device unregister and netdev attachment/detachment.
- Added the "irqs" directory inside the SF sysfs directory to provide the users information about the mapping of SFs and their IRQs.
- Added support for setting a maximum number of completion EQs for SFs.
- Added support for up to 23 bits for uar_page_index in create_cq flow. This allows the user to perform create_cq with a uar_page_index larger than 2^16 as supported by the hardware/firmware.
- [Beta] Added support for specifying bandwidth proportions between traffic classes (TC) in the devlink-rate API. This new option allows users to allocate bandwidth across multiple traffic classes in a single command. This feature provides a more granular control over traffic management, especially for scenarios requiring Enhanced Transmission Selection. Users can now define a specific bandwidth share for each traffic class, such as allocating 20% for TC0 (TCP/UDP) and 80% for TC5 (RoCE).

**Supported Devices and Features**

SUPPORTED KERNELS:The kernels of Red Hat Enterprise Linux 9 update 4 (x86_64) supported by this binary rpm are:

- 5.14.0-427.13.1.el9_4 (x86_64) and future update kernels.

Version: 24.10-1.1.4.1 (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**

The following issues have been fixed in version 24.10-1.1.4.1:

- rte_eth_dev_start() performed unnecessary recreation of mlx5 control flow rules, resulting in increased delay of rte_eth_dev_start().
- Firefly was not compliant with "SyncE to 1pps Class B/C Transient response" while using ConnectX7 FHHL adapter card.

**Enhancements**

The following new features and changes have been included in version 24.10-1.1.4.1:

- Enhanced firmware reset flow for Sync1 utilizing community-accepted hot reset kernel flow.

**Supported Devices and Features**

- 5.14.0-503.11.1 (x86_64) and future update kernels.

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**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**

This driver supports the following HPE Intel E1R network adapters:

- Intel(R) I350 Gigabit Network Connection

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**Intel i350 Driver for Windows Server 2022**

Version: 14.0.5.0 (B) (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 now supports Azure Stack HCI OS.

**Supported Devices and Features**

This driver supports the following HPE Intel E1R network adapters:

- Intel(R) I350 Gigabit Network Connection

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**Intel i350 Driver for Windows Server 2025**

Version: 14.1.5.0 (Recommended)

**Important Note!**

HPE recommends the firmware provided in Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.4.3.0 or later, for use with this driver.

**Enhancements**

Initial version.

**Supported Devices and Features**

This driver supports the following HPE Intel E1R network adapters:

- Intel(R) I350 Gigabit Network Connection

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**Intel ice Drivers for Red Hat Enterprise Linux 8**

Version: 1.15.4-1 (Recommended)

**Important Note!**

HPE recommends the firmware provided in Intel Firmware Package For E810, version 4.60 or later for use with these drivers.

**Enhancements**

- This product now supports ethtool flow-type ether.
- This product now adds VF reset on Tx Malicious Driver Detection(MDD) event.
- This product now supports kernel's DPLL configuration.

**Supported Devices and Features**

This product supports the following network adapters:

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

**Intel ice Drivers for Red Hat Enterprise Linux 9**

Version: 1.15.4-1 (B) (Recommended)

**Important Note!**

HPE recommends the firmware provided in Intel Firmware Package For E810, version 4.60 or later for use with these drivers.

**Enhancements**

This product is now supported on a new platform.

**Supported Devices and Features**

This product supports the following network adapters:

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

**Intel icea Driver for Microsoft Windows Server 2022**

Version: 1.15.121.0 (C) (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.

**Enhancements**

This product now supports Azure Stack HCI OS.

**Supported Devices and Features**

This driver supports the following HPE Intel ICEA network adapters:

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

**Intel icea Driver for Microsoft Windows Server 2025**

Version: 1.15.302.0 (B) (Recommended)

**Important Note!**

HPE recommends the firmware provided in Intel Firmware Package for Columbiaville (FWPKG), version 4.60 or later, for use with this driver.

**Enhancements**

Initial version.

**Supported Devices and Features**

This driver supports the following HPE Intel ICEA network adapters:

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

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**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**

This driver supports the following HPE Intel ICEA network adapters:

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

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**Intel icen Driver for VMware vSphere 8.0**

Version: 2025.03.00 (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 4.60 or later, for use with these drivers.

**Enhancements**

This product is now supported on a new platform.

**Supported Devices and Features**

This product supports the following network adapters:

- 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

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**Intel icen Driver for VMware vSphere 9.0**

Version: 2025.03.00 (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 4.60 or later, for use with these drivers.

**Enhancements**

Initial version for VMware 9.0.

**Supported Devices and Features**

This product supports the following network adapters:

- 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: 24.10.26603.0 (Recommended)

**Fixes**

- This product fixed an issue that prevented the VF diagnostic counters from being shown when assigned a VF from multiple adapters to the same VM, queried for counters and removed all VFs from one adapter.
- This product fixed a rare case when polling returns wrong request context.

**Enhancements**

- Added a new counter "Allocated Memory Pages" to show the number of memory pages (4KB) allocated to the firmware from the host system.
- MlxNdPerf now supports bandwidth tests with multiple QPs.
- Added support for dynamic steering rule insertion in DevX interface.

**Supported Devices and Features**

This driver supports the following network adapters:

- Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE
- Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

**Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2022**

Version: 24.10.26603.0 (Recommended)

**Fixes**

- This product fixed an issue that prevented the VF diagnostic counters from being shown when assigned a VF from multiple adapters to the same VM, queried for counters and removed all VFs from one adapter.
- This product fixed a rare case when polling returns wrong request context.

**Enhancements**

- Added a new counter "Allocated Memory Pages" to show the number of memory pages (4KB) allocated to the firmware from the host system.
- MlxNdPerf now supports bandwidth tests with multiple QPs.
- Added support for dynamic steering rule insertion in DevX interface.

**Supported Devices and Features**

This driver supports the following network adapters:

- Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE
- Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

**Mellanox CX5 and CX6DX Driver for Microsoft Windows Server 2025**

Version: 24.10.26603.0 (Recommended)

**Fixes**

- This product fixed an issue that prevented the VF diagnostic counters from being shown when assigned a VF from multiple adapters to the same VM, queried for counters and removed all VFs from one adapter.
- This product fixed a rare case when polling returns wrong request context.

**Enhancements**

- Added a new counter "Allocated Memory Pages" to show the number of memory pages (4KB) allocated to the firmware from the host system.
- MlxNdPerf now supports bandwidth tests with multiple QPs.
- Added support for dynamic steering rule insertion in DevX interface.

**Supported Devices and Features**

This driver supports the following network adapters:

- Mellanox MCX623105AS-VDAT Ethernet 200Gb 1-port QSFP56 Adapter for HPE
- Mellanox MCX631102AS-ADAT Ethernet 10/25Gb 2-port SFP28 Adapter for HPE
- Mellanox MCX631432AS-ADAI Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter for HPE

**Intel QuickAssist Technology driver for Microsoft Windows**

Version: 2.3.0.6 (C) (Recommended)

**Enhancements**

- Updated Supported Environments HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat

**Enterprise Linux 8**

Version: 07.730.01.00 (Recommended)

sas-07.730.01.00_rhel8u9-2.x86_64.rpm

**Enhancements**

- Handle IOMMU restore at exit boot services
- Support Ubuntu 24.04 LTS HPE MR416i-p, MR216i-p, MR416i-a, MR216i-a Gen10 plus and MR416i-p, MR416i-o, MR216i-o, MR408i-o, MR216i-p, MR408i-p Gen11 controller Driver for 64-bit Red Hat

**Enterprise Linux 9**

Version: 07.730.01.00 (B) (Recommended)

sas-07.730.01.00_rhel9u4-2.x86_64.rpm

**Enhancements**

- Support new Gen12 servers.

---

**2019 edition**

Version: 7.730.2.0 (Recommended)

**Enhancements**

- Add support for MR408i-p Gen11 controller HPE MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows

---

**2025 edition**

Version: 7.730.2.0 (B) (Recommended)

**Enhancements**

- Support new Gen12 servers.

---

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

Version: 2025.01.01 (B) (Recommended)

**Important Note!**

- Actual Version is 7.730.1.0.

**Enhancements**

- Support new Gen12 servers.

---

**for VMware vSphere 8.0 (Driver Component).**

Version: 2025.02.01 (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 ESXi8.0 driver version is 80.4704.0.108

**Enhancements**

- Improve the tolerance of error handling.
- Enhancement of DMA engine attributes to prevent PSOD.

---

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

Version: 2.1.32-035 (Recommended)

**Fixes**

- Fixed an issue that drives are still listed at the OS level when the controller is offline.

**Supported Devices and Features**

SUPPORTED KERNELS:The kernels of Red Hat Enterprise Linux8 (64-bit) supported by this binary rpm are:-default- Red Hat Enterprise Linux 8 Update 0 (64-bit).

---

**HPE ProLiant Gen10, Gen10Plus and Gen11 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 9 (64-bit)**

Version: 2.1.32-035 (Recommended)

**Fixes**

- Fixed an issue that drives are still listed at the OS level when the controller is offline.

**Supported Devices and Features**

SUPPORTED KERNELS:The kernels of Red Hat Enterprise Linux9 (64-bit) supported by this binary rpm are:-default- Red Hat Enterprise Linux 9 Update 0 (64-bit).

---

**HPE Smart Array Gen10, Gen10Plus and Gen11 Controller Driver for Windows Server 2019, Windows Server 2022 and Windows Server 2025**

Version: 1016.10.0.1004 (Recommended)

**Fixes**

- Fixed the issue that memory dump sometimes cannot be captured when Remote Key Management mode is enabled.

**Enhancements**

- Added support for Windows Server 2025.
- Added support to enable DMA remapping feature for Windows Server 2025.

---

**MR416i-p, MR416i-a, MR216i-p, MR216i-a Gen10 Controller and MR416i-o, MR416i-p, MR216i-o, MR216i-p, MR408i-o , MR408i-p Gen11 controllers driver for Microsoft Windows 2022 edition**

Version: 7.730.2.0 (B) (Recommended)

**Enhancements**

- Support new Gen12 servers.
- Support new OS Azure Stack HCI 23H2 .

---

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

Version: 14.4.393.20 (Recommended)

**Important Note!**

This component is supported only on Gen11 ProLiant servers.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**

Updated to driver version 14.4.393.20 The raw driver files can be obtained by extracting the Smart Component and then extracting the Emulex installer. Use this command:elxdrvr-fc-version.exe /q2 extract=2 The extracted files are located:C:¥Users¥Administrator¥Documents¥Emulex¥Drivers¥FC-version Each kit folder has subsequent architecture folders with subsequent OS folders. For example, C:¥Users¥Administrator¥Documents¥Emulex¥Drivers¥FC-version¥x64¥win2019

**Supported Devices and Features**

- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter

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

Version: 14.4.393.20 (Recommended)

**Important Note!**

This component is supported only on Gen11 ProLiant servers.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**

Updated to driver version 14.4.393.20 The raw driver files can be obtained by extracting the Smart Component and then extracting the Emulex installer. Use this command:elxdrvr-fc-version.exe /q2 extract=2 The extracted files are located:C:¥Users¥Administrator¥Documents¥Emulex¥Drivers¥FC-version Each kit folder has subsequent architecture folders with subsequent OS folders. For example, C:¥Users¥Administrator¥Documents¥Emulex¥Drivers¥FC-version¥x64¥win2022

**Supported Devices and Features**

- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter

**HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Microsoft Windows Server 2025**

Version: 14.4.393.20 (Recommended)

**Important Note!**

This component is supported only on Gen11 ProLiant servers.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**

Updated to driver version 14.4.393.20 The raw driver files can be obtained by extracting the Smart Component and then extracting the Emulex installer. Use this command:elxdrvr-fc-version.exe /q2 extract=2 The extracted files are located:C:¥Users¥Administrator¥Documents¥Emulex¥Drivers¥FC-version Each kit folder has subsequent architecture folders with subsequent OS folders. For example, C:¥Users¥Administrator¥Documents¥Emulex¥Drivers¥FC-version¥x64¥win2022

**Supported Devices and Features**

- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter

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

Version: 9.4.11.20 (Recommended)

**Important Note!**

This component is supported only on Gen11 ProLiant servers.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 9.4.11.20

**Supported Devices and Features**

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

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

Version: 9.4.11.20 (Recommended)

**Important Note!**

This component is supported only on Gen11 ProLiant servers.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 9.4.11.20

**Supported Devices and Features**

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb 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 2025**

Version: 9.4.11.20 (Recommended)

**Important Note!**

This component is supported only on Gen11 ProLiant servers.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 9.4.11.20

**Supported Devices and Features**

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

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**Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters**

Version: 14.4.329.9 (Recommended)

**Important Note!**

This component is supported only on Gen11 ProLiant servers.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**

Version updated to 14.4.329.9

**Supported Devices and Features**

- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter

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**Red Hat Enterprise Linux 8 Update 10 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters**

Version: 10.02.13.03-k1 (Recommended)

**Important Note!**

This component is supported only on Gen11 ProLiant servers.Release Notes:HPE QLogic Adapters Release Notes NOTE:1. The rpm base-name for the QLogic driver has been changed to "qlgc". Upgrades from the earlier "hpqlgc" driver are supported.

**Prerequisites**

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

**Enhancements**

Updated Driver version 10.02.13.03-k1

**Supported Devices and Features**

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb 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!**

This component is supported only on Gen11 ProLiant servers.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**

Version updated to 14.4.329.9

**Supported Devices and Features**

- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb 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 Adapter**

Version: 10.02.13.03-k1 (Recommended)

**Important Note!**

This component is supported only on Gen11 ProLiant servers.Release Notes:HPE QLogic Adapters Release Notes NOTE:1. The rpm base-name for the QLogic driver has been changed to "qlgc". Upgrades from the earlier "hpqlgc" driver are supported.

**Prerequisites**

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

**Enhancements**

Updated Driver version 10.02.13.03-k1

**Supported Devices and Features**

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

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**Red Hat Enterprise Linux 9 Update 3 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapter**

Version: 14.4.329.9 (Recommended)

**Important Note!**

This component is supported only on Gen11 ProLiant servers.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**

Version updated to 14.4.329.9

**Supported Devices and Features**

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

- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter

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**Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters**

Version: 14.4.329.9 (Recommended)

**Important Note!**

This component is supported only on Gen11 ProLiant servers.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**

Version updated to 14.4.329.9

**Supported Devices and Features**

- HPE SN1610E 32Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter

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**Red Hat Enterprise Linux 9 Update 4 Server Fibre Channel Driver Kit for HPE QLogic Host Bus Adapters**

Version: 10.02.13.03-k1 (Recommended)

**Important Note!**

This component is supported only on Gen11 ProLiant servers.Release Notes:HPE QLogic Adapters Release Notes NOTE:1. The rpm base-name for the QLogic driver has been changed to "qlgc". Upgrades from the earlier "hpqlgc" driver are supported.

**Prerequisites**

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

**Enhancements**

Updated Driver version 10.02.13.03-k1

**Supported Devices and Features**

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

**Important Note!**

This component is supported only on Gen11 ProLiant servers.Release Notes:HPE QLogic Adapters Release Notes NOTE:1. The rpm base-name for the QLogic driver has been changed to "qlgc". Upgrades from the earlier "hpqlgc" driver are supported.

**Prerequisites**

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

**Enhancements**

Updated Driver version 10.02.13.03-k1

**Supported Devices and Features**

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

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**Broadcom PCIe Switch Management Driver for Microsoft Windows Server 2019**

Version: 2.61.54.0 (B) (Optional)

**Enhancements**

- Updated Supported Device
- Updated SBOM requirement

**Supported Devices and Features**

- Broadcom PCIe Switch Management Port PEX890xx

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**iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2019**

Version: 4.7.1.0 (D) (Optional)

**Enhancements**

- Updated supported platforms

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**iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2022**

Version: 4.7.1.0 (G) (Optional)

**Enhancements**

- Updated Supported Environments

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**iLO 6 Automatic Server Recovery Driver for Microsoft Windows Server 2025**

Version: 4.7.2.0 (C) (Optional)

**Enhancements**

- Updated supported product

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**iLO 6 Channel Interface Driver for Microsoft Windows Server 2019**

Version: 4.7.1.0 (D) (Optional)

**Enhancements**

- Updated supported platforms

---

**iLO 6 Channel Interface Driver for Microsoft Windows Server 2022**

Version: 4.7.1.0 (G) (Optional)

**Enhancements**

- Updated Supported Environments

---

**iLO 6 Channel Interface Driver for Microsoft Windows Server 2025**

Version: 4.7.2.0 (C) (Optional)

**Enhancements**

- Updated supported product

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**Matrox G200eH3 Video Controller Driver for Microsoft Windows Server 2019, 2022 and 2025**

Version: 9.15.1.268 (C) (Optional)

**Enhancements**

- Updated Supported Environments

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**Online ROM Flash Component for Linux - iLO 6**

Version: 1.67 (Recommended)

**Fixes**

Initial Build

**Enhancements**

Initial Build

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**Online ROM Flash Component for Windows x64 - iLO 6**

Version: 1.67 (Recommended)

**Fixes**

Initial Build

**Enhancements**

Initial Build

**Online ROM Flash Firmware Package - iLO 6**

Version: 1.67 (Recommended)

**Fixes**

Initial Build

**Enhancements**

Initial Build

---

**Broadcom Firmware Package for BCM5741x adapters**

Version: 232.1.132.8 (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 232.0.155.7 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-232.0.155.5 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.03.00 or later

**Fixes**

- This product fixes the issue where the OCP module experiences link width degradation in the system.
- This product fixes the issue where RDMA connections are not getting connected.
- This product fixes the issue where RoCE and TX/RX path core dump decoding failed.
- This product fixes the issue where Port 1 was not receiving broadcast packets with ESXi.
- This product fixes the issue where the OCP module experiences link width degradation in the system.
- This product fixes the issue where PXE boot does not work with VLAN configurations.

**Enhancements**

- This product removes the Ethernet/LLDPTransmit/ManagementVlanId property to streamline configuration.
- This product enhances the coredump feature in the BNXT driver for improved diagnostics.
- This product enhances to update the driver to suppress the HII MBA menu for a cleaner interface.

**Supported Devices and Features**

This product supports the following network adapters:

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**Broadcom Firmware Package for BCM5750x adapters**

Version: 232.1.132.8 (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 232.0.155.7 or later
- HPE Broadcom NetXtreme-E Drivers for Linux, version 1.10.3-232.0.155.5 or later
- HPE Broadcom NetXtreme-E Drivers for VMware, version 2025.03.00 or later

**Fixes**

- This product fixes the issue where the firmware fails to send a reset notification to the driver during error recovery.
- This product fixes the issue where the RDE bejString special character escape sequences were incorrectly encoded.
- This product fixes the issue where the PLDM port link speed sensor reading and event values were reported as negative.
- This product fixes the issue where the XDP/LPBK L2 context entry caused resource leaks.
- This product fixes the issue where XDP flows were not properly freed by ensuring they are released only when the MAC address is non-zero.

**Enhancements**

- This product removes the Ethernet/LLDPTransmit/ManagementVlanId property to simplify network configuration.
- This product enhances system stability by adjusting MSI-X vector counts to prevent resource exhaustion.
- This product enhances SPDM functionality by setting the MsgTag in the MCTP transport header.
- This product enhances the coredump feature in the BNXT driver for better diagnostic capabilities.
- This product enhances network performance by adding the RX rate profile and improving DPDK functionality.

**Supported Devices and Features**

This product supports the following network adapters:

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

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**Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64**

Version: 2.40.0 (Recommended)

**Important Note!**

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

**Prerequisites**

This product requires the appropriate driver for your device and operating system to be installed before the firmware is updated.Also, install the Out of Box (OOB) and ensure the driver is loaded and running before attempting the firmware update.

- Follow the command line to bring up ethernet device:

# ifup ethX or ifconfig ethX up or wicked ifup ethX 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/

**Fixes**

This product fixes where MBA configuration reset to defaults after updating firmware.

**Enhancements**

This product enhances libfwupg to improve NVRAM configuration updates.

**Supported Devices and Features**

This product supports the following network adapters:

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

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**Broadcom NX1 Online Firmware Upgrade Utility for VMware**

Version: 1.41.0 (Recommended)

**Important Note!**

This software package contains combo image v20.32.41 with the following firmware versions:

| NIC | Boot Code Version | PXE Version | NCSI Version | UEFI Version |
|---|---|---|---|---|
| BCM 5719 1GbE 4p BASE-T Adptr | 1.60 | 21.6.4 | 1.5.60 | 21.6.85 |
| BCM 5719 1GbE 4p BASE-T OCP3 Adptr | 1.60 | 21.6.4 | 1.5.60 | 21.6.85 |
| BCM 5720 1GbE 2p BASE-T LOM Adptr | 1.43 | 21.6.4 | N/A | 21.6.85 |

**Prerequisites**

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

**Fixes**

This product fixes where MBA configuration reset to defaults after updating firmware.

**Enhancements**

This product enhances libfwupg to improve NVRAM configuration updates.

**Supported Devices and Features**

This product supports the following network adapters:

- 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

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**Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions**

Version: 5.4.4.0 (Recommended)

**Important Note!**

HPE recommends Broadcom NX1 1Gb Driver for Windows Server x64 Editions, version 221.0.7.0 or later, for use with this firmware.This software package contains combo image v20.32.41 with the following firmware versions:

| NIC | Boot Code Version | PXE Version | NCSI Version | UEFI Version |
|---|---|---|---|---|
| BCM 5719 1GbE 4p BASE-T Adptr | 1.60 | 21.6.4 | 1.5.60 | 21.6.85 |
| BCM 5719 1GbE 4p BASE-T OCP3 Adptr | 1.60 | 21.6.4 | 1.5.60 | 21.6.85 |
| BCM 5720 1GbE 2p BASE-T LOM Adptr | 1.43 | 21.6.4 | N/A | 21.6.85 |

**Prerequisites**

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

**Fixes**

This product fixes where MBA configuration reset to defaults after updating firmware.

**Enhancements**

This product enhances libfwupg to improve NVRAM configuration updates.

**Supported Devices and Features**

This product supports the following network adapters:

- 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

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

Version: 4.60 (B) (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 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 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

**Enhancements**

Add new support platform.

**Supported Devices and Features**

This product supports the following network adapters:

- 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: 4.60 (B) (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 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 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

**Enhancements**

Add new support platform.

**Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-CQDA2 Ethernet 100Gb 2-port QSFP28 OCP3 Adapter for HPE

**Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter**

Version: 4.60 (B) (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 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 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

**Enhancements**

Add new support platform.

**Supported Devices and Features**

This product supports the following network adapters:

- Intel E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 Adapter for HPE

**Intel Firmware Package For E810-XXVDA2 Ethernet 10/25Gb 2-port SFP28 OCP3 Adapter**

Version: 4.60 (B) (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 1.15.4-1 or later

- Intel icen Driver for VMware, version 2024.11.00 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

**Enhancements**

Add new support platform.

**Supported Devices and Features**

This product supports the following network adapters:

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

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**Intel Firmware Package For E810-XXVDA4 Ethernet 10/25Gb 4-port SFP28 Adapter**

Version: 4.60 (B) (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 1.15.4-1 or later
- Intel icen Driver for VMware, version 2024.11.00 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

**Enhancements**

Add new support platform.

**Supported Devices and Features**

This product supports the following network adapters:

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

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**Intel Online Firmware Upgrade Utility for Linux x86_64**

Version: 1.32.0 (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**

This package supports the following network adapters:

- Intel(R) I350 Gigabit Network Connection (2-port)
- Intel(R) I350 Gigabit Network Connection (4-port)

**Intel Online Firmware Upgrade Utility for VMware**

Version: 3.25.0 (B) (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 |
|---|---|---|---|
| Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter | 8000123F | 1.3682.0 | N/A |
| Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter | 80001234 | 1.3682.0 | N/A |

The combo image v1.3682.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.54, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.8.62, 10GbE - v8.2.47, 40GbE - v5.0.12 Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM version.

**Prerequisites**

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

**Enhancements**

This product now supports VMware 9.0

**Supported Devices and Features**

This package supports the following network adapters:

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

**Intel Online Firmware Upgrade Utility for Windows Server x64 Editions**

Version: 5.4.3.0 (B) (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 |
|---|---|---|---|
| Intel I350-T4 Ethernet 1Gb 4-port BASE-T Adapter | 8000123F | 1.3682.0 | N/A |
| Intel I350-T4 Ethernet 1Gb 4-port BASE-T OCP3 Adapter | 80001234 | 1.3682.0 | N/A |

The combo image v1.3682.0 includes: Boot Agent: 1GbE - v1.5.90, 10GbE - v2.4.54, 40GbE - v1.1.45 & UEFI Drivers: 1GbE - v9.8.62, 10GbE - v8.2.47, 40GbE - v5.0.12 Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM version.

**Prerequisites**

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

**Enhancements**

This product now supports VMware 9.0

**Supported Devices and Features**

This package supports the following network adapters:

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

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

Version: 26.43.1014 (Recommended)

Ax.pldm.json

**Important Note!**

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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**

The following issues have been fixed in version 26.43.1014:

- Setup crash would occur when create_sq used invalid mbox. Now the invalid mbox is replaced with a valid DB.
- Fixed the query for FACTORY default NV configuration values. The firmware always returned the "next" value to be applied.

**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.New features and changes included in version 26.43.1014:**

- Added a recovery step in case of CQ doorbell getting lost during VF migration.
- Added the option to indicate an error CQE event on every selected function per eSwitch manager. This indication is defined as a new WQE including the relevant information about the error (such as: syndrome, function_id, timestamp, QPs num etc.). The feature is configured using a new general object: RDMA-Telemetry object, and depends on the following new caps:

HCA_CAP.rdma_telemetry_notification_types and HCA_CAP.rdma_telemetry.

- Extended kernel lockdown permission set. The following sub-operations can now be called by tools (permission TOOLS_RESORCES) using new HCA capability bitmask field: tool_partial_cap.

The 5 sub-operations are:

- QUERY_HCA_CAP with other function
- QUERY_VUID with direct data
- QUERY_ROCE_ADDRESS with other vport
- SET_HCA_CAP with other function
- POSTPONE_CONNECTED_QP_TIMEOUT with other vport The new added caps are:
- tool_partial_cap.postpone_conn_qp_timeout_other_vport,
- tool_partial_cap.set_hca_cap_other_func
- tool_partial_cap.query_roce_addr_other_vport
- tool_partial_cap.query_vuid_direct_data
- tool_partial_cap.query_hca_cap_other_func
- Added 'table_type_valid' and 'table_type' fields to the steering action (STC) "Jump To Flow" table parameters to enable the user to jump from NIC_TX to FDB_TX and bypass the ACL table.
- Enabled hop reduction by bypassing NIC domain in various use cases. Such action reduces the number of hops (improves PPS) to deal with mass number of flows and devices. To enable this new capability, a new STC action type "JUMP_TO_FDB_RX" was added to allow jumping into the RX side of a table.

**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

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

Version: 26.43.1014 (Recommended)

Ax.pldm.json

**Important Note!**

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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/connectx6lxfirmwarev26431014/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**

The following issues have been fixed in version 26.43.1014:

- Setup crash would occur when create_sq used invalid mbox. Now the invalid mbox is replaced with a valid DB.
- Fixed the query for FACTORY default NV configuration values. The firmware always returned the "next" value to be applied.

**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.New features and changes included in version 26.43.1014:**

- Added a recovery step in case of CQ doorbell getting lost during VF migration.
- Added the option to indicate an error CQE event on every selected function per eSwitch manager. This indication is defined as a new WQE including the relevant information about the error (such as: syndrome, function_id, timestamp, QPs num etc.). The feature is configured using a new general object: RDMA-Telemetry object, and depends on the following new caps:

HCA_CAP.rdma_telemetry_notification_types and HCA_CAP.rdma_telemetry.

- Extended kernel lockdown permission set. The following sub-operations can now be called by tools (permission TOOLS_RESORCES) using new HCA capability bitmask field: tool_partial_cap.

The 5 sub-operations are:

- QUERY_HCA_CAP with other function
- QUERY_VUID with direct data
- QUERY_ROCE_ADDRESS with other vport
- SET_HCA_CAP with other function
- POSTPONE_CONNECTED_QP_TIMEOUT with other vport The new added caps are:
- tool_partial_cap.postpone_conn_qp_timeout_other_vport,
- tool_partial_cap.set_hca_cap_other_func
- tool_partial_cap.query_roce_addr_other_vport
- tool_partial_cap.query_vuid_direct_data
- tool_partial_cap.query_hca_cap_other_func
- Added 'table_type_valid' and 'table_type' fields to the steering action (STC) "Jump To Flow" table parameters to enable the user to jump from NIC_TX to FDB_TX and bypass the ACL table.
- Enabled hop reduction by bypassing NIC domain in various use cases. Such action reduces the

number of hops (improves PPS) to deal with mass number of flows and devices. To enable this new capability, a new STC action type "JUMP_TO_FDB_RX" was added to allow jumping into the RX side of a table.

**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

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**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: 20.43.1014 (Recommended)

**Important Note!**

For PLDM enabled VPI (Virtual Protocol Interconnect) adapters supporting both InfiniBand mode and Ethernet modes, every firmware version is made available in two different formats at HPE.com:

1. HPE signed PLDM Firmware Package (.FWPKG filename extension) updatable via iLO.
2. Firmware binary (.bin filename extension) updatable via mstflint utility from the Operating System.

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 – Ethernet | HDR/HDR100 | EDR | FDR | QDR |
| 200GbE/50GbE | supported | supported | not supported | supported |
| 100GbE/25GbE | supported | supported | not supported | supported |
| 40GbE/10GbE | not supported | not supported | not supported | supported |
| 1GbE | supported | supported | not supported | supported |

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https://docs.nvidia.com/networking/display/connectx6firmwarev20431014/known+issues Port #2 -

**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**

The following issues have been fixed in version 20.43.1014:

- Setup crash when "create_sq" used invalid mbox.
- The firmware always returned the "next" value to be applied when querying FACTORY default NV configuration values.

**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.New features and changes included in version 20.43.1014:**

- Added the option to indicate an error CQE event on every selected function per eSwitch manager. This indication is defined as a new WQE including the relevant information about the error (such as: syndrome, function_id, timestamp, QPs num etc.).
- Extended kernel lockdown permission set. The following sub-operations can now be called by tools (permission TOOLS_RESORCES) using new HCA capability bitmask field: tool_partial_cap.

The 5 sub-operations are:

- QUERY_HCA_CAP with other function
- QUERY_VUID with direct data
- QUERY_ROCE_ADDRESS with other vport
- SET_HCA_CAP with other function
- POSTPONE_CONNECTED_QP_TIMEOUT with other vport The new added caps are:
- tool_partial_cap.postpone_conn_qp_timeout_other_vport,
- tool_partial_cap.set_hca_cap_other_func
- tool_partial_cap.query_roce_addr_other_vport
- tool_partial_cap.query_vuid_direct_data
- tool_partial_cap.query_hca_cap_other_func

**Supported Devices and Features**

This software package contains the following firmware versions:

| Mellanox InfiniBand Adapter | Firmware Version | PSID |
|---|---|---|
| HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 PCIe4 x16 MCX653106A-ECAT Adapter (P23666-B21 and P23666-H21) | 20.43.1014 | MT_0000000453 |

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

Version: 22.43.1014 (Recommended)

Ax.pldm.json

**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**

The following issues have been fixed in version 22.43.1014:

- Setup crash would occur when create_sq used invalid mbox. Now the invalid mbox is replaced with a valid DB.
- An upgrade issue that required firmware v22.36.1010 as an intermediate version when upgrading the firmware from v22.33.0428 or below to versions above 22.36.1010.
- Fixed the query for FACTORY default NV configuration values. The firmware always returned the "next" value to be applied.

**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.New features and changes included in version 22.43.1014:**

- Added a recovery step in case of CQ doorbell getting lost during VF migration.
- Added the option to indicate an error CQE event on every selected function per eSwitch manager. This indication is defined as a new WQE including the relevant information about the error (such as: syndrome, function_id, timestamp, QPs num etc.). The feature is configured using a new general object: RDMA-Telemetry object, and depends on the following new caps:

HCA_CAP.rdma_telemetry_notification_types and HCA_CAP.rdma_telemetry .

- Extended kernel lockdown permission set. The following sub-operations can now be called by tools (permission TOOLS_RESORCES) using new HCA capability bitmask field: tool_partial_cap.

The 5 sub-operations are:

- QUERY_HCA_CAP with other function
- QUERY_VUID with direct data
- QUERY_ROCE_ADDRESS with other vport
- SET_HCA_CAP with other function
- POSTPONE_CONNECTED_QP_TIMEOUT with other vport The new added caps are:
- tool_partial_cap.postpone_conn_qp_timeout_other_vport,
- tool_partial_cap.set_hca_cap_other_func
- tool_partial_cap.query_roce_addr_other_vport
- tool_partial_cap.query_vuid_direct_data
- tool_partial_cap.query_hca_cap_other_func
- Added 'table_type_valid' and 'table_type' fields to the steering action (STC) "Jump To Flow" table parameters to enable the user to jump from NIC_TX to FDB_TX and bypass the ACL table.
- Enabled hop reduction by bypassing NIC domain in various use cases. Such action reduces the number of hops (improves PPS) to deal with mass number of flows and devices. To enable this new capability, a new STC action type "JUMP_TO_FDB_RX" was added to allow jumping into the RX side of a table.
- Added support for QoS scheduling across multiple E-Switches grouped in a LAG. VPort members of a Physical Function can be added to a rate group from another Physical Function and rate limits of the group will apply to those VPort members as well.
- Increased the maximum number of supported "ARC-IN" from 1 to 8 and "ARCOUT" from 3 to 8 for the dynamic flex parser.

**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 |

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**NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR/Ethernet 400Gb 1-port OSFP PCIe5 x16 MCX75310AAS-NEAT Adapter : HPE part numbers P45641-B23 and P45641-H23**

Version: 28.44.1036 (Recommended)

HPE2_Ax.pldm.json

**Important Note!**

For PLDM enabled VPI (Virtual Protocol Interconnect) adapters supporting both InfiniBand mode and Ethernet modes, every firmware version is made available in two different formats at HPE.com:1. HPE signed PLDM Firmware Package (.FWPKG filename extension) updatable via iLO.2. Firmware binary (.bin filename extension) updatable via mstflint utility from the Operating System.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

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**Fixes**

The following issues have been fixed in version 28.44.1036:

- Cable info semaphore deadlock.
- Improper error handling for the TLV full list, which caused the TLV mechanism to hang.
- The SPDM GET_CERTIFICATE operation did not support all certificate chain offsets and chunk sizes.
- An issue in VDPA where destroying a virtq would cause a health buffer syndrome with ext_synd=0x8f33 if the virtq was created without an mkey or with unmanned and mapped mkeys during live migration.
- The VDPA feature bits GUEST_TSO4 and GUEST_TSO6 were unexpectedly set by default, leading to traffic interruptions.
- Enabling PCC NP and setting the link type to one port as IB and the other as Ethernet could cause an assert to appear in dmesg with ext_synd 0x8309.

**Enhancements**

New features and changes included in version 28.44.1036:

- Increased the RX lossless buffer size to delay the transmission of Pause/PFC frames during NIC congestion.
- Added support for SyncE at 1G link speed.
- Added a new mechanism for allocations and deallocations flows to enhance parallelism.
- When using a multi-host deployment, each host is assigned unique ports and PFs and manages its own LAG.
- Added support for a new synchronized flow, including a tool and driver, to perform a fwreset on setups with a PCIe switch configuration.
- Unified PTP is now supported across different VFs on the same PF.
- Added support for new MADs: PortRecoveryPolicyConfig and PortRecoveryPolicyCounters . During the PHY recovery process, the firmware core will indicate the port_logical_state as Active.
- Added a new NV config (SM_DISABLE, default 0) which, when enabled, blocks SMP traffic that does not originate from the SM.
- Added the ability to set cable length as a parameter in the PFCC access register. The cable length is used in the calculation of RX lossless buffer parameters, including size, Xoff, and Xon thresholds.

**Supported Devices and Features**

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**NVIDIA Firmware Package (FWPKG) for HPE InfiniBand NDR200/Ethernet 200Gb 1-port OSFP PCIe5 x16 MCX75310AAS-HEAT Adapter : HPE part numbers P45642-B22 and P45642-H22**

Version: 28.44.1036 (Recommended)

HPE2_Ax.pldm.json

**Important Note!**

For PLDM enabled VPI (Virtual Protocol Interconnect) adapters supporting both InfiniBand mode and Ethernet modes, every firmware version is made available in two different formats at HPE.com:1. HPE signed PLDM Firmware Package (.FWPKG filename extension) updatable via iLO.2. Firmware binary (.bin filename extension) updatable via mstflint utility from the Operating System.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/connectx7firmwarev28441036/known+issues

**Prerequisites**

FWPKG will work only if the iLO5 firmware version is 2.30 or higher.

**Fixes**

The following issues have been fixed in version 28.44.1036:

- Cable info semaphore deadlock.
- Improper error handling for the TLV full list, which caused the TLV mechanism to hang.
- The SPDM GET_CERTIFICATE operation did not support all certificate chain offsets and chunk sizes.
- An issue in VDPA where destroying a virtq would cause a health buffer syndrome with ext_synd=0x8f33 if the virtq was created without an mkey or with unmanned and mapped mkeys during live migration.
- The VDPA feature bits GUEST_TSO4 and GUEST_TSO6 were unexpectedly set by default, leading to traffic interruptions.
- Enabling PCC NP and setting the link type to one port as IB and the other as Ethernet could cause an assert to appear in dmesg with ext_synd 0x8309.

**Enhancements**

New features and changes included in version 28.44.1036:

- Increased the RX lossless buffer size to delay the transmission of Pause/PFC frames during NIC congestion.

- Added support for SyncE at 1G link speed.
- Added a new mechanism for allocations and deallocations flows to enhance parallelism.
- When using a multi-host deployment, each host is assigned unique ports and PFs and manages its own LAG.
- Added support for a new synchronized flow, including a tool and driver, to perform a fwreset on setups with a PCIe switch configuration.
- Unified PTP is now supported across different VFs on the same PF.
- Added support for new MADs: PortRecoveryPolicyConfig and PortRecoveryPolicyCounters . During the PHY recovery process, the firmware core will indicate the port_logical_state as Active.
- Added a new NV config (SM_DISABLE, default 0) which, when enabled, blocks SMP traffic that does not originate from the SM.
- Added the ability to set cable length as a parameter in the PFCC access register. The cable length is used in the calculation of RX lossless buffer parameters, including size, Xoff, and Xon thresholds.

**Supported Devices and Features**

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

Version: GPK7 (G) (Recommended)

**Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

---

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

Version: GPK5 (G) (Recommended)

**Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

---

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

Version: GPK7 (G) (Recommended)

**Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

---

**Online NVMe SSD Flash Component for Linux (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives**

Version: HPK6 (B) (Recommended)

**Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

---

**Online NVMe SSD Flash Component for VMware ESXi - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives**

Version: HPK6 (B) (Recommended)

**Important Note!**

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

**Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

**Enhancements**

- Added support for ESXi 9.0.

---

**Online NVMe SSD Flash Component for VMware ESXi - KCD6XVUL800G, KCD6XVUL1T60, KCD6XVUL3T20, KCD6XVUL6T40, KCD6XVUL12T8, KCD6XLUL960G, KCD6XLUL1T92, KCD6XLUL3T84, KCD6XLUL7T68 and KCD6XLUL15T3 Drives**

Version: GPK7 (C) (Recommended)

**Important Note!**

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

**Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

**Enhancements**

- Added support for ESXi 9.0.

---

**Online NVMe SSD Flash Component for VMware ESXi - KCM6FRUL1T92, KCM6FRUL3T84, KCM6FVUL1T60 and KCM6FVUL3T20 Drives**

Version: GPK5 (C) (Recommended)

**Important Note!**

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

**Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

**Enhancements**

- Added support for ESXi 9.0.

---

**Online NVMe SSD Flash Component for VMware ESXi - KCM6XVUL800G, KCM6XVUL1T60, KCM6XVUL3T20, KCM6XVUL6T40, KCM6XRUL960G, KCM6XRUL1T92, KCM6XRUL3T84 and KCM6XRUL7T68 Drives**

Version: GPK7 (C) (Recommended)

**Important Note!**

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

**Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

**Enhancements**

- Added support for ESXi 9.0.

---

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

Version: GPK7 (C) (Recommended)

**Important Note!**

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

**Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

**Enhancements**

- Added support for Azure Stack HCI 23H2

---

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

Version: GPK5 (C) (Recommended)

**Important Note!**

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

**Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

**Enhancements**

- Added support for Azure Stack HCI 23H2

---

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

Version: GPK7 (C) (Recommended)

**Important Note!**

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

**Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

**Enhancements**

- Added support for Azure Stack HCI 23H2

---

**Online NVMe SSD Flash Component for Windows (x64) - VO001920KYDMT, VO003840KYDMV, MO001600KYDMU, MO003200KYDNC, MO006400KYDND, VO007680KYDNA and VO015360KYDNB Drives**

Version: HPK6 (B) (Recommended)

**Important Note!**

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

**Fixes**

**Fixes the displayed message of direct attached NVMe firmware flashing to align FW activation result by OS.**

**Enhancements**

- Added support for Azure Stack HCI 23H2

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**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.

**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.

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**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.

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**Universal Firmware Package for Drives - VR000480KXLXF**

Version: HPK3 (Recommended)

**Fixes**

Firmware maintenance release of HPK3

- 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.

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**Universal Firmware Package for Drives - VV003840KXNTH, VV007680KXNTN and VV015360KXNTP**

Version: HPK6 (Recommended)

**Fixes**

- Firmware maintenance release.

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**Universal Firmware Package for Drives - VV003840KXWBF, VV007680KXWBL and VV015360KXWBN**

Version: HPK2 (Recommended)

**Fixes**

- This is a recommended FW release that provides bug fixes for the HPK2

**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.

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**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 timeout/ failures.

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**Universal Firmware Package for Drives - MO001600KXVYH, MO003200KXVZD, MO006400KXVZE, VO001920KXVYF, VO003840KXVZA, VO007680KXVZB and VO015360KXVZC**

Version: HPK3 (Recommended)

**Fixes**

- Fix for PCIe link length drop in AMD x2 system configuration
- Fix for drive detection after hot re-insert on Windows
- Fix for other regular FW patch release

---

**Universal Firmware Package for Drives - MO001600YXUJB, MO003200YXUJC, MO006400YXUJD, VO001920YXUHU, VO003840YXUHV and VO007680YXUJA**

Version: HPK3 (Recommended)

**Fixes**

- Fix for PCIe link length drop in AMD x2 system configuration
- Fix for drive detection after hot re-insert on Windows
- Fix for other regular FW patch release

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**Universal Firmware Package for Drives - MV001600LYCBT, MV003200LYCBA, MV006400LYCBB, VV015360LYHDC, VV001920LYCBR, VV003840LYCAU and VV007680LYCAV**

Version: HPK3 (Recommended)

**Fixes**

- The FW address: PCIe link drop and 0ther regular FW patches release.

**Universal Firmware Package for Drives - MV003200LXUJK, MV006400LXUJL, VV003840LXUJE, VV007680LXUJF and VV015360LXUJH**

Version: HPK6 (Recommended)

**Fixes**

**Fixes PCIe link drop, Drive detection after hot re-insert on Windows and includes other regular FW patch releases.**

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**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.

---

**Universal Firmware Package for Drives - VR000480KXNXE,VR000960KXNZU and VS001920KXNXF**

Version: HPK4 (Recommended)

**Fixes**

Changes and improvements that have been made in the firmware HPK4 which disable MCTP over PCIe VDM over the previous firmware.

---

**Universal Firmware Package for Drives - VV001920LYDTT, VV003840LYDTU and VV007680LYDTV**

Version: HPK6 (Recommended)

**Fixes**

To eliminate the risk of gen drop issue.

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**Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware**

Version: 1.0.4 (C) (Recommended)

**Enhancements**

Version 1.0.4 firmware

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**Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers**

Version: 1.2.2 (D) (Recommended)

**Important Note!**

Important Notes:Ver. 1.2.2(D) contains updates to the firmware packaging and is functionally equivalent to

ver.1.2.2. It is not necessary to upgrade with Revision D if a previous component revision was used to upgrade the firmware to version 1.2.2.This Linux component is compatible with Service Pack for ProLiant 2024.11.00.00.Deliverable Name:Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers Release Version:1.2.2 Last Recommended or Critical Revision:This is the initial version of the firmware Previous Revision:This is the initial version of the firmware Firmware Dependencies:None

**Enhancements/New Features:**

None Problems Fixed:This is the initial version of the firmware.Known Issues:None

**Prerequisites**

The "iLO 6 Channel Interface Driver" (CHIF) for Linux which is integrated into the standard Linux kernel.Gen11 servers with Power-PIC solution (HPE Proliant DL145 and DL20).

**Enhancements**

Important Notes:Ver. 1.2.2(D) contains updates to the firmware packaging and is functionally equivalent to ver.1.2.2. It is not necessary to upgrade with Revision D if a previous component revision was used to upgrade the firmware to version 1.2.2.This Linux component is compatible with Service Pack for ProLiant 2024.11.00.00.Firmware Dependencies:None

**Enhancements/New Features:**

This is the initial verison of the firmware.Known Issues:None

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**Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware**

Version: 1.0.4 (C) (Recommended)

**Enhancements**

Version 1.0.4 firmware

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**Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers**

Version: 1.2.2 (C) (Recommended)

**Important Note!**

Important Notes:Ver. 1.2.2(C) contains updates to the firmware packaging and is functionally equivalent to ver.1.2.2. It is not necessary to upgrade with Revision C if a previous component revision was used to upgrade the firmware to version 1.2.2.Deliverable Name:Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers Release Version:1.2.2 Last Recommended or Critical Revision:This is the initial version of the firmware Previous Revision:This is the initial version of the firmware Firmware Dependencies:None

**Enhancements/New Features:**

None Problems Fixed:This is the initial version of the firmware.Known Issues:None

**Prerequisites**

The "iLO 6 Channel Interface Driver" (CHIF) for Windows which is available from Service Pack for ProLiant (SPP).Gen11 servers with Power-PIC solution (HPE Proliant DL145 and DL20).

**Enhancements**

Important Notes:Ver. 1.2.2(C) contains updates to the firmware packaging and is functionally equivalent to ver.1.2.2. It is not necessary to upgrade with Revision C if a previous component revision was used to upgrade the firmware to version 1.2.2.Firmware Dependencies:None

**Enhancements/New Features:**

This is the initial verison of the firmware.Known Issues:None

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**ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware**

Version: 1.0.4 (Recommended)

**Enhancements**

Version 1.0.4 firmware

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**ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers**

Version: 1.2.2 (Recommended)

**Important Note!**

Important Notes:None Deliverable Name:Advanced Power Capping Microcontroller Firmware II for HPE Gen11 Servers Release Version:1.2.2 Last Recommended or Critical Revision:This is the initial version of the firmware Previous Revision:This is the initial version of the firmware Firmware Dependencies:None

**Enhancements/New Features:**

None Problems Fixed:This is the initial version of the firmware.Known Issues:None

**Prerequisites**

Integrated Lights-Out 6 (iLO 6) Firmware.Gen11 servers with Power-PIC solution (HPE Proliant DL145 and DL20).

**Enhancements**

Important Notes:None Firmware Dependencies:None

**Enhancements/New Features:**

This is the initial verison of the firmware.Known Issues:None

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**Online HDD/SSD Flash Component for Linux (x64) - EG000600JWJNP, EG001200JWJNQ, EG000600JXLVV, EG001200JXLWA and EG001200MXJQU 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.

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - EG001800JWJNR, EG002400JWJNT, EG001800JXLWB, EG002400JXLWC and EG002400MXJQT Drives**

Version: HPDA (E) (Recommended)

**Important Note!**

- 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

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**Online HDD/SSD Flash Component for Linux (x64) - MB002000JWFVN and MB004000JWFVP Drives**

Version: HPD4 (I) (Recommended)

**Important Note!**

- 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

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**Online HDD/SSD Flash Component for Linux (x64) - MB018000JXMTH and MB020000JXMTP Drives**

Version: HPD3 (Recommended)

**Fixes**

- Fix to Assert fixes, current firmware improvements and bug fixes.

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**Online HDD/SSD Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives**

Version: HPDA (E) (Recommended)

**Important Note!**

- 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

**Online HDD/SSD Flash Component for Linux (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV 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.

**Fixes**

- Maintenance firmware release to introduce fixes from previous firmware.

---

**Online HDD/SSD Flash Component for Linux (x64) - MB002000JYDNE and MB004000JYDPB Drives**

Version: HPD4 (Recommended)

**Fixes**

**Fixes the logic bug in the media cache cleaning abort handling that caused the drive to choose and execute the R/W command before the Request Sense to prevent assert.**

- Adding other logging and FW enhancements.

---

**Online HDD/SSD Flash Component for Linux (x64) - MB004000JWWQB and MB002000JWWQA 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.

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH Drives**

Version: HPD3 (B) (Recommended)

**Fixes**

**Fixes the logic bug in the media cache cleaning abort handling that caused the drive to choose and execute the R/W command before the Request Sense to prevent assert.**

- Adding other logging and FW enhancements.

**Supported Devices and Features**

- For Drive Model "MB010000JYDNH" of 10TB, initial release FW is HPD3 and there is no downgrade support for this model to lower version HPD2.

**Online HDD/SSD Flash Component for Linux (x64) - MB008000JWWQP and MB006000JWWQN 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.

**Fixes**

- Fixed flashing issue through SDR method

---

**Online HDD/SSD Flash Component for Linux (x64) - MB010000JWZHA, MB012000JWZHB, MB014000JWZHC and MB016000JWZHE 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.

**Fixes**

- Fixed flashing issue through SDR method

---

**Online HDD/SSD Flash Component for Linux (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN Drives**

Version: HPD3 (C) (Recommended)

**Fixes**

- Fixed flashing issue through SDR method

---

**Online HDD/SSD Flash Component for Linux (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK 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.

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - MB014000JXUCC Drive**

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.

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - MB016000JWXKH Drive**

Version: HPDC (Recommended)

**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.

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**Online HDD/SSD Flash Component for Linux (x64) - MB016000JXLBA and MB018000JXLAU Drives**

Version: HPD3 (D) (Recommended)

**Important Note!**

- 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

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**Online HDD/SSD Flash Component for Linux (x64) - MM1000JFJTH 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.

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF 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.

**Fixes**

- Fixed flashing issue through SDR method

**Online HDD/SSD Flash Component for VMware ESXi - 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.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - 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.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV 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.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MB002000JWFVN and MB004000JWFVP 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.

**Enhancements**

- Added support for ESXi 9.0.

**Online HDD/SSD Flash Component for VMware ESXi - MB002000JYDNE and MB004000JYDPB 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

**Enhancements**

- Added support for ESXi 9.0.

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**Online HDD/SSD Flash Component for VMware ESXi - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH 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

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - 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

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN 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

**Enhancements**

- Added support for ESXi 9.0.

**Online HDD/SSD Flash Component for VMware ESXi - MB018000JXMTH and MB020000JXMTP 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

**Enhancements**

- Added support for ESXi 9.0.

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**Online HDD/SSD Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives**

Version: HPDA (E) (Recommended)

**Enhancements**

- Added support for ESXi 9.0.

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**Online HDD/SSD Flash Component for VMware ESXi - MM1000JFJTH Drive**

Version: HPD5 (E) (Recommended)

**Enhancements**

- Added support for ESXi 9.0.

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**Online HDD/SSD Flash Component for VMware ESXi - 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.

**Enhancements**

- Added support for ESXi 9.0.

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**Online HDD/SSD Flash Component for VMware ESXi - MB008000JWWQP and MB006000JWWQN Drives**

Version: HPD8 (C) (Recommended)

**Enhancements**

- Added support for ESXi 9.0.

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**Online HDD/SSD Flash Component for VMware ESXi - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK 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.

**Enhancements**

- Added support for ESXi 9.0.

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**Online HDD/SSD Flash Component for VMware ESXi - 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.

**Enhancements**

- Added support for ESXi 9.0.

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**Online HDD/SSD Flash Component for VMware ESXi - MB016000JWXKH Drive**

Version: HPDC (B) (Recommended)

**Important Note!**

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

**Enhancements**

- Added support for ESXi 9.0.

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**Online HDD/SSD Flash Component for VMware ESXi - 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.

**Enhancements**

- Added support for ESXi 9.0.

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**Online HDD/SSD Flash Component for VMware ESXi - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF 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.

**Enhancements**

- Added support for ESXi 9.0.

**Online HDD/SSD Flash Component for Windows (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.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (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.

**Fixes**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - EO000400PXDBQ, EO000800PXDCK, EO001600PXDCH, MO000800PXDBP, MO001600PXDCC, MO003200PXDCD, MO006400PXDCE, VO000960PXDBN, VO001920PXDBR, VO003840PXDBT, VO007680PXDBU and VO015300PXDBV 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.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MB002000JWFVN and MB004000JWFVP 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.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

**Online HDD/SSD Flash Component for Windows (x64) - MB002000JYDNE and MB004000JYDPB 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.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MB004000JWWQB and MB002000JWWQA 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.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

---

**Online HDD/SSD Flash Component for Windows (x64) - MB006000JYDNF, MB008000JYDPC and MB010000JYDNH 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.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

**Supported Devices and Features**

- For Drive Model "MB010000JYDNH" of 10TB, initial release FW is HPD3 and there is no downgrade support for this model to lower version HPD2.

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**Online HDD/SSD Flash Component for Windows (x64) - MB008000JWWQP and MB006000JWWQN 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.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

**Online HDD/SSD Flash Component for Windows (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.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MB010000JYDKK, MB012000JYCJF, MB014000JYCJV, MB016000JYDKL and MB018000JYDKN 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.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

---

**Online HDD/SSD Flash Component for Windows (x64) - MB012000JZYVN, MB014000JZYVP, MB016000JZYVQ and MB018000JYCLK 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.

**Fixes**

- Fix the controller library compatible issue.

**Enhancements**

- Added support for Azure Stack HCI 23H2

---

**Online HDD/SSD Flash Component for Windows (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.

**Fixes**

- Fix the controller library compatible issue.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

---

**Online HDD/SSD Flash Component for Windows (x64) - MB016000JWXKH Drive**

Version: HPDC (B) (Recommended)

**Important Note!**

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

**Fixes**

- This 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.

**Enhancements**

- Added support for Azure Stack HCI 23H2

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**Online HDD/SSD Flash Component for Windows (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.

**Fixes**

- Fix the controller library compatible issue.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MB018000JXMTH and MB020000JXMTP 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.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives**

Version: HPDA (E) (Recommended)

**Important Note!**

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

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MM1000JFJTH 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.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - VO000960RWUEV, VO001920RWUFA, VO003840RWUFB, VO007680RWUFC, VO000960RWUFD, VO001920RWUFE and VO003840RWUFF 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.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Universal Firmware Package for Drives - MB006000JWZVQ and MB008000JWZVR**

Version: HPD3 (B) (Recommended)

**Fixes**

- Remove ROM flash way from this FWPKG.

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**Universal Firmware Package for Drives - MB004000JWZVU**

Version: HPD3 (B) (Recommended)

**Fixes**

- Remove ROM flash way from this FWPKG.

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**Universal Firmware Package for Drives - MB020000JXMVU**

Version: HPD1 (B) (Recommended)

**Fixes**

- Remove ROM flash way from this FWPKG.

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**Universal Firmware Package for Drives - MB12000JYESN, MB16000JYEVC, MB20000JYEVD**

Version: HPD1 (B) (Recommended)

**Fixes**

- Remove ROM flash way from this FWPKG.

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**Universal Firmware Package for Drives - MB24000JYEVE**

Version: HPD1 (B) (Recommended)

**Fixes**

- Remove ROM flash way from this FWPKG.

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**Universal Firmware Package for Drives - MO000960RXKRC, MO001920RXKRH, MO003840RXKRK, VO000960RXKRB, VO001920RXKRD and VO003840RXKRE**

Version: HPD5 (B) (Recommended)

**Fixes**

- Remove ROM flash way from this FWPKG.

---

**Universal Firmware Package for Drives - MO000960RXRQK, MO001920RXRRH, MO003840RXRRK, VO000960RXRQL, VO001920RXRRL, VO003840RXRRN and VO007680RYEWD**

Version: HPD4 (B) (Critical)

**Fixes**

- Remove ROM flash way from this FWPKG.

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**Universal Firmware Package for Drives - MO001600PXMTN, MO003200PXMTV, MO006400PXMUA, VO001920PXMTL, VO003840PXMTR, VO007680PXMTT and VO015360PXMTU**

Version: HPD2 (B) (Recommended)

**Fixes**

- Remove ROM flash way from this FWPKG.

---

**Universal Firmware Package for Drives - MO001600PZWSH, MO003200PZWSK, MO000800PZWSF and MO006400PZXFA**

Version: HPD3 (B) (Recommended)

**Fixes**

- Remove ROM flash way from this FWPKG.

**Universal Firmware Package for Drives - VO000960PZWSL, VO001920PZWSN, VO003840PZWSP, VO007680PZXFB and VO015360PZXEU**

Version: HPD3 (B) (Recommended)

**Fixes**

- Remove ROM flash way from this FWPKG.

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**Universal Firmware Package for Drives - VO000960RZWUP, VO000960RZWUQ, VO001920RZWUR, VO001920RZWUV, VO003840RZWUT, VO003840RZWVA and VO007680RZWUU**

Version: HPD1 (B) (Recommended)

**Fixes**

- Remove ROM flash way from this FWPKG.

---

**Online HDD/SSD Flash Component for Linux (x64) - MB018000GXMTK and MB020000GXMTQ Drives**

Version: HPG3 (Recommended)

**Fixes**

- Fix to Assert fixes, current firmware improvements and bug fixes.

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**Online HDD/SSD Flash Component for Linux (x64) - MB001000GWFWK and MB002000GWFWL Drives**

Version: HPG6 (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.

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives**

Version: HPG1 (M) (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.

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - MB004000GWKGV Drive**

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.

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - MB006000GWKGR Drive**

Version: HPG1 (L) (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.

**Fixes**

- Fixed flashing issue through SDR method

**Online HDD/SSD Flash Component for Linux (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives**

Version: HPG2 (C) (Recommended)

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - MB012000GWDFE Drive**

Version: HPG5 (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.

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - MB012000GWTFE and MB014000GWTFF Drives**

Version: HPG8 (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.

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives**

Version: HPG4 (C) (Recommended)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - MB016000GWXKK Drive**

Version: HPG4 (D) (Recommended)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL 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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives**

Version: HPG1 (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.

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - MM1000GFJTE Drive**

Version: HPG6 (E) (Recommended)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - MM2000GEFRA Drive**

Version: HPG9 (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.

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives**

Version: HPG7 (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.

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for Linux (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives**

Version: HPG1 (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.

**Fixes**

- Fixed flashing issue through SDR method

**Online HDD/SSD Flash Component for Linux (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK 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.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fixed flashing issue through SDR method

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**Online HDD/SSD Flash Component for VMware ESXi - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives**

Version: HPG2 (C) (Recommended)

**Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MB018000GXMTK and MB020000GXMTQ Drives**

Version: HPG3 (B) (Recommended)

**Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MB001000GWFWK and MB002000GWFWL Drives**

Version: HPG6 (K) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- In AHCI configuration only offline flashing is supported.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives**

Version: HPG1 (K) (Recommended)

**Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MB004000GWKGV Drive**

Version: HPG1 (K) (Recommended)

**Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MB006000GWKGR Drive**

Version: HPG1 (K) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- In AHCI configuration only offline flashing is supported.

**Enhancements**

- Added support for ESXi 9.0.

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**Online HDD/SSD Flash Component for VMware ESXi - MB012000GWDFE Drive**

Version: HPG5 (C) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.
- In AHCI configuration only offline flashing is supported.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MB012000GWTFE and MB014000GWTFF Drives**

Version: HPG8 (C) (Recommended)

**Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives**

Version: HPG4 (C) (Recommended)

**Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MB016000GWXKK Drive**

Version: HPG4 (C) (Recommended)

**Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

**Online HDD/SSD Flash Component for VMware ESXi - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives**

Version: HPG3 (C) (Recommended)

**Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives.**

Version: HPG1 (C) (Recommended)

**Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MM1000GFJTE Drive**

Version: HPG6 (E) (Recommended)

**Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - MM2000GEFRA Drive**

Version: HPG9 (E) (Recommended)

**Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives**

Version: HPG7 (D) (Recommended)

**Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives.**

Version: HPG1 (C) (Recommended)

**Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for VMware ESXi - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives**

Version: HPG3 (C) (Recommended)

**Important Note!**

- In AHCI configuration only offline flashing is supported.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Enhancements**

- Added support for ESXi 9.0.

---

**Online HDD/SSD Flash Component for Windows (x64) - MB001000GWFWK and MB002000GWFWL Drives**

Version: HPG6 (J) (Recommended)

**Important Note!**

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

**Enhancements**

- Added support for Azure Stack HCI 23H2.

---

**Online HDD/SSD Flash Component for Windows (x64) - MB001000GWJAN, MB002000GWFWA and MB004000GWFWB Drives**

Version: HPG1 (J) (Recommended)

**Important Note!**

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

**Enhancements**

- Added support for Azure Stack HCI 23H2.

---

**Online HDD/SSD Flash Component for Windows (x64) - MB004000GWKGV Drive**

Version: HPG1 (J) (Recommended)

**Important Note!**

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

**Enhancements**

- Added support for Azure Stack HCI 23H2..

---

**Online HDD/SSD Flash Component for Windows (x64) - MB006000GWKGR Drive**

Version: HPG1 (J) (Recommended)

**Important Note!**

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

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MB010000GYDKP, MB012000GYCJL, MB014000GYCJT, MB016000GYDKQ and MB018000GYDKR Drives**

Version: HPG2 (C) (Recommended)

**Important Note!**

- Customers who already installed latest firmware version do not need to update to sub version like

(B) (C) (D) etc.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MB012000GWDFE Drive**

Version: HPG5 (C) (Recommended)

**Important Note!**

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

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MB012000GWTFE and MB014000GWTFF Drives**

Version: HPG8 (D) (Recommended)

**Important Note!**

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

**Enhancements**

- Added support for Azure Stack HCI 23H2.

---

**Online HDD/SSD Flash Component for Windows (x64) - MB012000GZYVT, MB014000GZYVU, MB016000GZYVV and MB018000GYCLL Drives**

Version: HPG4 (C) (Recommended)

**Important Note!**

- Online firmware flashing of drives attached to a Smart Array controller running in Zero Memory (ZM) mode or Host Bus Adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the Service Pack for ProLiant and Smart Update Manager.
- Customers who already installed latest firmware version do not need to update to sub version like (B) (C) (D) etc.

**Fixes**

- Fix the controller library compatible issue.

**Enhancements**

- Added support for Azure Stack HCI 23H2.

**Online HDD/SSD Flash Component for Windows (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.

**Fixes**

- Fix the controller library compatible issue.

**Enhancements**

- Added support for Azure Stack HCI 23H2

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**Online HDD/SSD Flash Component for Windows (x64) - MB018000GXMTK and MB020000GXMTQ Drives**

Version: HPG3 (B) (Recommended)

**Important Note!**

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

**Enhancements**

- Added support for Azure Stack HCI 23H2.

---

**Online HDD/SSD Flash Component for Windows (x64) - MK000480GWXFF, MK000960GWXFH, MK001920GWXFK and MK003840GWXFL Drives**

Version: HPG3 (C) (Recommended)

**Important Note!**

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

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MK000480GZXRA, MK000960GZXRB, MK001920GZXRC and MK003840GZXRV Drives**

Version: HPG1 (C) (Recommended)

**Important Note!**

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

**Enhancements**

- Added support for Azure Stack HCI 23H2.

---

**Online HDD/SSD Flash Component for Windows (x64) - MM1000GFJTE Drive**

Version: HPG6 (D) (Recommended)

**Important Note!**

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

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - MM2000GEFRA Drive**

Version: HPG9 (D) (Recommended)

**Important Note!**

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

**Enhancements**

- Added support for Azure Stack HCI 23H2.

---

**Online HDD/SSD Flash Component for Windows (x64) - VK000240GWTSV, VK000480GWTTA, VK000960GWTTB, VK001920GWTTC, VK003840GWTTD, MK000480GWTTH, MK000960GWTTK, MK001920GWTTL and MK003840GWTTN Drives**

Version: HPG7 (D) (Recommended)

**Important Note!**

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

**Enhancements**

- Added support for Azure Stack HCI 23H2.

---

**Online HDD/SSD Flash Component for Windows (x64) - VK000240GZXRU, VK000480GZXRF, VK000960GZXQU, VK001920GZXQV, VK003840GZXRH and VK007680GZXRT Drives**

Version: HPG1 (C) (Recommended)

**Important Note!**

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

**Enhancements**

- Added support for Azure Stack HCI 23H2.

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**Online HDD/SSD Flash Component for Windows (x64) - VK000480GZCNE, VK000960GZCNF, VK001920GZCNH and VK003840GZCNK Drives**

Version: HPG3 (C) (Recommended)

**Important Note!**

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

**Enhancements**

- Added support for Azure Stack HCI 23H2.

---

**Universal Firmware Package for Drives - MB004000GWZVT**

Version: HPG3 (Recommended)

**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.

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**Universal Firmware Package for Drives - MB12000GYESP, MB16000GYEVF and MB20000GYEVH**

Version: HPG1 (Recommended)

**Fixes**

- Fix FW assert and other regular fixes

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**Universal Firmware Package for Drives - MB002000GYDNK and MB004000GYDPD**

Version: HPG2 (Recommended)

**Fixes**

**1.Fixes the logic bug in the media cache cleaning abort handling that caused the drive to choose and execute the R/W command before the Request Sense to prevent assert.**

2. Adding other logging and FW enhancements.

---

**Universal Firmware Package for Drives - MB006000GWZVL and MB008000GWZVN**

Version: HPG3 (Recommended)

**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.

---

**Universal Firmware Package for Drives - MB006000GYDNL, MB008000GYDPE and MB010000GYDNN**

Version: HPG2 (Recommended)

**Fixes**

**1) Fixes the logic bug in the media cache cleaning abort handling that caused the drive to choose and execute the R/W command before the Request Sense to prevent assert.**

2) Adding other logging and FW enhancements.

---

**Universal Firmware Package for Drives - MB24000GYEVK**

Version: HPG1 (Recommended)

**Fixes**

- FW assert fix and other regular maintenance release.

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**Universal Firmware Package for Drives - MK000480GYCNT ,MK000960GYCNP ,MK001920GYCNF ,MK003840GYCNQ ,VK000240GYCNU ,VK000480GYCNH ,VK000960GYCNK ,VK001920GYCNL ,VK003840GYCNN ,VK007680GYCNE ,VR000240GXPQT and VR000480GXPQU**

Version: HPG4 (Recommended)

**Fixes**

- This is a planned maintenance release covering bug fixes. This firmware includes updates to improve PLI circuit reliability.

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**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: 7.43 (Recommended)

**Fixes**

- Fixed an issue where a lockup occasionally occurs when RAID 0 Predictive Spare Rebuilding (PSR) starts.
- Fixed an issue where the fault LED remains lit during the rebuild process of a replaced SSD drive.
- Fixed an issue where the host was unable to retrieve new configuration updates after creating a logical drive on PF drives.
- Fixed an issue where the logical volume status was incorrectly reported as OK on a secured volume if a data drive was replaced with an Otherwise Owned SED drive before reboot.
- Fixed an issue where the surface scan period was not reset to default after factory reset.
- Fixed an issue where the predictive failure drive did not fail even after the Predictive Spare Rebuild

(PSR) was completed.

- Fixed an issue where the Controller might have a potential lockup after a JBOD power cycle.
- Fixed an issue where the offline replacement of a failed drive during a spare rebuild led to the failure of the replacement drive.
- Fixed a lockup issue that could occur both during a transformation with an abrupt shutdown, and on subsequent bootup.
- Fixed an intermittent MCTP communication issue during AC power cycle tests on specific configurations.
- Fixed an MCTP communication issue in AMD Turin 2P configurations.
- Fixed a lockup issue that could occur when a timeout occurs with expander attached SATA drives.
- Fixed an issue with improper support checking for the secure erase command.
- Fixed issues for missing active dedicated hot spare member in HII logical drive information and failed drive part of a logical drive in the HII disk utilities.
- Fixed an issue which threw wrong error code, 'InternalError' when creating an array on controller that is waiting on adapter password.
- Fixed an issue When server is powered on with no drives connected to Enclosure.

Observe incorrect controller information in iLO Storage tab & Redfish

- Fixed an issue that enclosures Link is missing under Storage URI in Redfish.
- Fixed an issue in which drive resource does not match with Chassis for empty bay.
- Fixed an issue in which incorrect severity warning of drive when sanitize erase operation is in progress.
- Fixed an issue where HealthRollup shows warning during normal state.
- Fixed an issue where CacheSummary.Status.Health shows incorrect during WriteCache degraded.
- Fixed an issue in which PLDM/RDE Read sometimes take longer than 6s during array deletion.

**Enhancements**

- PLDM Base (Type 0) commands comply with v1.2.0 of the PLDM base specification (DSP0240).
- PLDM Platform Monitoring and Control (Type 2) commands comply with v1.3.0 of the PLDM Platform Monitoring and Control Specification (DSP0248).
- Long-running task support for volume creation/deletion using Redfish and storage resource RDE action operations.

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**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: 1.2.14.1018 (C) (Recommended)

**Important Note!**

1.2.14.1018 is the minimum firmware requirement for AMD Turin DL365/385 and Intel Gen12 platforms. Downgrading NS204i firmware to version lower than 1018 will lead to MCTP failure.For Gen10 plus server users, the NS204i firmware has to be 1.0.14.1063 or later in order to enable PLDM firmware update functionality for the controller. Please find the smart component versions of 1.0.14.1063 in below link:

- 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

**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

**Enhancements**

- Support new servers.

---

**Firmware Package - HPE MR216i-o Gen11 Tri Mode Controller**

Version: 52.30.3-5917 (B) (Recommended)

**Important Note!**

- This firmware version to be used on HPE MR216i-o Gen11 Controller.
- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

**Prerequisites**

iLO6 version should be at least 1.53 is required for chassis&Fabric support.

**Enhancements**

- Support new Gen12 servers.

---

**Firmware Package - HPE MR216i-p Gen11 Tri Mode Controller**

Version: 52.30.3-5917 (B) (Recommended)

**Important Note!**

- This firmware version to be used on HPE MR216i-p Gen11 Controller.
- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

**Prerequisites**

iLO6 version should be at least 1.53 is required for chassis&Fabric support.

**Enhancements**

- Support new Gen12 servers.

---

**Firmware Package - HPE MR408i-o Gen11 Tri Mode Controller**

Version: 52.30.3-5917 (B) (Recommended)

**Important Note!**

- This firmware version to be used on HPE MR408i-o Gen11 Controller.
- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

**Prerequisites**

iLO6 version should be at least 1.53 is required for chassis&Fabric support.

**Enhancements**

- Support new Gen12 servers.

---

**Firmware Package - HPE MR416i-o Gen11 Tri Mode Controller**

Version: 52.30.3-5917 (B) (Recommended)

**Important Note!**

- This firmware version to be used on HPE MR416i-o Gen11 Controller.
- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

**Prerequisites**

iLO6 version should be at least 1.53 is required for chassis&Fabric support.

**Enhancements**

- Support new Gen12 servers.

---

**Firmware Package - HPE MR416i-p Gen11 Tri Mode Controller**

Version: 52.30.3-5917 (B) (Recommended)

**Important Note!**

- This firmware version to be used on HPE MR416i-p Gen11 Controller.
- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

**Prerequisites**

iLO6 version should be at least 1.53 is required for chassis&Fabric support.

**Enhancements**

- Support new Gen12 servers.

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**Firmware Package - HPE SR932i-p Gen10 Plus /SR416i-a Gen10 Plus/SR932i-p Gen11/SR416ie-m Gen11 Controllers**

Version: 03.01.33.044 (Recommended)

**Fixes**

- Fixed an issue where a lockup occasionally occurs when RAID 0 Predictive Spare Rebuilding (PSR) starts.
- Fixed an issue where the fault LED remains lit during the rebuild process of a replaced SSD drive.
- Fixed an issue where the host was unable to retrieve new configuration updates after creating a logical drive on PF drives or slow drives.

- Fixed an issue where the logical volume status was incorrectly reported as OK on a secured volume if a data drive was replaced with an Otherwise Owned SED drive before reboot.
- Fixed an issue where the surface scan period was not reset to default after factory reset.
- Fixed an issue where the predictive failure drive did no't fail even after the Predictive Spare Rebuild (PSR) was completed.
- Fixed an issue where the Controller might have a potential lockup after a JBOD power cycle.
- Fixed an issue where the offline replacement of a failed drive during a spare rebuild led to the failure of the replacement drive.
- Fixed a possible lockup that could occur both during a transformation with an abrupt shutdown, and on subsequent bootup.
- Fixed a potential issue where a good drive could be incorrectly marked as a predictive failure drive.
- Fixed a lockup issue that could occur during I/O to a degraded volume using Smart Path.
- Fixed a drive firmware update failure due to incorrect handling of sense data for specific SATA drives.
- Fixed a Controller boot failure when inserted in PCIe Gen 6 systems.
- Fixed issues for missing active dedicated hot spare member in HII logical drive information and failed drive part of a logical drive in the HII disk utilities.
- Fixed an issue which threw wrong error code, 'InternalError' when creating an array on controller that is waiting on adapter password.
- Fixed an issue When server is powered on with no drives connected to Enclosure.

Observe incorrect controller information in iLO Storage tab & Redfish

- Fixed an issue that enclosures Link is missing under Storage URI in Redfish.
- Fixed an issue in which drive resource does not match with Chassis for empty bay.
- Fixed an issue in which incorrect severity warning of drive when sanitize erase operation is in progress.
- Fixed an issue where HealthRollup shows warning during normal state.
- Fixed an issue where CacheSummary.Status.Health shows incorrect during WriteCache degraded.
- Fixed an issue in which PLDM/RDE Read sometimes take longer than 6s during array deletion.

**Enhancements**

- PLDM Base (Type 0) commands comply with v1.2.0 of the PLDM base specification (DSP0240).
- PLDM Platform Monitoring and Control (Type 2) commands comply with v1.3.0 of the PLDM Platform Monitoring and Control Specification (DSP0248).
- Long-running task support for volume creation/deletion using Redfish and storage resource RDE action operations.

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**Online NVMe SSD Flash Component for Linux - MZ1L21T9HCLS-00A07, MZ1L23T8HBLA-00A07 and MZ1L2960HCJR-00A07 Drive**

Version: GDC7502Q (C) (Recommended)

**Important Note!**

Samsung has found that the bridge FW could make error mode on PCIe link down under Lane reduction

situation

**Fixes**

SHA384 fix

**Enhancements**

SHA384 fix

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**HPE Firmware Flash for Emulex 32Gb and 64Gb Fibre Channel Host Bus Adapters**

Version: 14.4.473.14 (Recommended)

**Important Note!**

This component is supported only on Gen11 ProLiant servers.Release notes:Broadcom Release notes This Firmware package contains following firmware versions:

| Adapter | Speed | Universal Boot Image | Firmware | UEFI | Boot Bios |
|---|---|---|---|---|---|
| HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter | 32Gb | 14.4.473.14 | 14.4.473.14 | 14.4.473.8 | 14.4.469.0 |
| HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter | 32Gb | 14.4.473.14 | 14.4.473.14 | 14.4.473.8 | 14.4.469.0 |
| HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter | 64Gb | 14.4.473.14 | 14.4.473.14 | 14.4.473.8 | 14.4.469.0 |
| HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter | 64Gb | 14.4.473.14 | 14.4.473.14 | 14.4.473.8 | 14.4.469.0 |

**Prerequisites**

The minimum version for adapter to support PLDM is 14.0.499.25

**Enhancements**

This component is supported only on Gen11 ProLiant servers.Release notes:Broadcom Release notes This Firmware package contains following firmware versions:

| Adapter | Speed | Universal Boot Image | Firmware | UEFI | Boot Bios |
|---|---|---|---|---|---|
| HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter | 32Gb | 14.4.473.14 | 14.4.473.14 | 14.4.473.8 | 14.4.469.0 |
| HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter | 32Gb | 14.4.473.14 | 14.4.473.14 | 14.4.473.8 | 14.4.469.0 |
| HPE SN1700E 64Gb Single Port Fibre Channel Host Bus Adapter | 64Gb | 14.4.473.14 | 14.4.473.14 | 14.4.473.8 | 14.4.469.0 |
| HPE SN1700E 64Gb Dual Port Fibre Channel Host Bus Adapter | 64Gb | 14.4.473.14 | 14.4.473.14 | 14.4.473.8 | 14.4.469.0 |

**Supported Devices and Features**

- HPE SN1610E 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610E 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Dual port Fibre Channel Host Bus Adapter
- HPE SN1700E 64Gb Single port Fibre Channel Host Bus Adapter

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**HPE Firmware Flash for QLogic 32Gb and 64Gb Fibre Channel Host Bus Adapters**

Version: 02.10.08 (Recommended)

**Important Note!**

This Firmware package contains following firmware versions:

| Adapter | Speed | MBI | Firmware | UEFI | Boot Bios |
|---|---|---|---|---|---|
| HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter | 32Gb | 02.10.08 | 09.15.05 | 7.39 | 0.0 |
| HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter | 32Gb | 02.10.08 | 09.15.05 | 7.39 | 0.0 |
| HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter | 64Gb | 02.10.08 | 09.15.05 | 7.39 | 0.0 |
| HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter | 64Gb | 02.10.08 | 09.15.05 | 7.39 | 0.0 |

**Enhancements**

This Firmware package contains following firmware versions:

| Adapter | Speed | MBI | Firmware | UEFI | Boot Bios |
|---|---|---|---|---|---|
| HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter | 32Gb | 02.10.08 | 09.15.05 | 7.39 | 0.0 |
| HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter | 32Gb | 02.10.08 | 09.15.05 | 7.39 | 0.0 |
| HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter | 64Gb | 02.10.08 | 09.15.05 | 7.39 | 0.0 |
| HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter | 64Gb | 02.10.08 | 09.15.05 | 7.39 | 0.0 |

**Supported Devices and Features**

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

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**Firmware Package - UBM10 Backplane PIC PLDM Firmware**

Version: 1.02 (Recommended)

**Important Note!**

Flash FWPKG Component on Web Standalone mode

- PLDM FWPKG component can be supported installation of UBM10 firmware when Backplane direct attached the the server.

**Prerequisites**

- For Gen11 servers, iLO 6 version 1.10 or later is required.
- For Gen12 servers iLO 6 version 1.62 or later is required

**Enhancements**

Fixed Secure boot not enable.

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**Firmware Package - UBM4 Backplane PIC PLDM Firmware for Gen10P/Gen11/Gen12 servers usage**

Version: 1.24 (G) (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

**Prerequisites**

- iLO 6 version 1.62 or later is required for Gen12 servers
- iLO 6 version 1.10 or later is required for Gen11 servers
- iLO 5 version 2.72 or later is required for Gen10 Plus servers

**Enhancements**

- Support Gen12 servers.

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**Firmware Package - UBM5 Backplane PIC PLDM Firmware for Gen11 servers usage**

Version: 1.16 (Recommended)

**Important Note!**

Flash FWPKG Component on Web Standalone mode

- PLDM FWPKG component only supports installation of UBM5 firmware when attached to HPE SR416/SR932(Firmware version 3.01.14.062 or later is need) on HPE Alletra 4120 Server
- PLDM FWPKG component can be supported installation of UBM5 firmware when direct attached the the server

**Prerequisites**

iLO 6 version 1.10 or later is required.

**Enhancements**

New vesion with 1.16

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**Firmware Package - UBM6 Backplane PIC PLDM Firmware for Gen10/Gen10P/Gen11/Gen12 servers usage**

Version: 1.04 (C) (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

**Prerequisites**

- iLO 6 version 1.62 or later is required for Gen12 servers
- iLO 6 version 1.10 or later is required for Gen11 servers
- iLO 5 version 2.72 or later is required for Gen10P servers

**Enhancements**

Support SY480 Gen12 server.

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**Firmware Package - UBM7 Backplane PIC PLDM Firmware**

Version: 1.10 (B) (Recommended)

**Important Note!**

Flash FWPKG Component on Web Standalone mode

- PLDM FWPKG component can be supported installation of UBM7 firmware when Backplane direct attached the the server
- PLDM FWPKG component has minimum supports installation receipe of UBM7 firmware when attached to HPE SR416/SR932(Controller Firmware version 03.01.23.072 or later is need)

**Prerequisites**

- For Gen11 servers, iLO 6 version 1.10 or later is required.

**Enhancements**

Support SY480 Gen12 server.Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine

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**Firmware for the 4th Generation Intel Xeon Processor based systems**

Version: 06.01.04.075.0 (B) (Recommended)

**Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package

for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HPE ProLiant DL360/DL380/ML350 Gen11 Servers Release Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0 Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

**Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Known Issues:None Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine

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**Firmware for the 4th Generation Intel Xeon Processor based systems**

Version: 06.01.04.075.0 (B) (Recommended)

**Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HPE Alletra 4110/Alletra 4120/ProLiant DL380a Gen11 Servers Release Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0 Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

**Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Known Issues:None Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine

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**Firmware for the 4th Generation Intel Xeon Processor based systems**

Version: 06.01.04.075.0 (B) (Recommended)

**Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package

for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HPE ProLiant DL320/ML110 Gen11 Servers Release Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0 Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

**Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Known Issues:None Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine

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**Firmware for the 4th Generation Intel Xeon Processor based systems**

Version: 06.01.04.075.0 (B) (Recommended)

**Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HPE ProLiant DL560 Gen11 Servers Release Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0 Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

**Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Known Issues:None Online ROM Flash Component for Windows x64 - Server Platform Services Manageability Engine

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**Firmware for the Intel C262 PCH based systems**

Version: 06.03.04.048.0 (B) (Recommended)

**Enhancements**

Version 06.03.04.048.0 firmware

**Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems**

Version: 06.01.04.075.0 (Recommended)

**Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HPE ProLiant DL360/DL380/ML350 Gen11 Servers Release Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0 Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

**Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Known Issues:None

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**Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems**

Version: 06.01.04.075.0 (Recommended)

**Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HPE Alletra 4110/Alletra 4120/ProLiant DL380a Gen11 Servers Release Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0 Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

**Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Known Issues:None

**Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems**

Version: 06.01.04.075.0 (Recommended)

**Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HPE ProLiant DL560 Gen11 Servers Release Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0 Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

**Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Known Issues:None

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**Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems**

Version: 06.01.04.075.0 (Recommended)

**Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HPE ProLiant DL320/ML110 Gen11 Servers Release Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0 Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

**Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Known Issues:None

**Online ROM Flash for Linux - Server Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems**

Version: 06.03.04.048.0 (Recommended)

**Enhancements**

Version 06.03.04.048.0 firmware

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**ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems**

Version: 06.01.04.075.0 (Recommended)

**Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HPE ProLiant DL360/DL380/ML350 Gen11 Servers Release Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0 Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

**Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Known Issues:None

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**ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems**

Version: 06.01.04.075.0 (Recommended)

**Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HPE ProLiant DL560 Gen11 Servers Release Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0 Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

**Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Known Issues:None

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**ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the 4th Generation Intel Xeon Processor based systems**

Version: 06.01.04.075.0 (Recommended)

**Important Note!**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Deliverable Name:Server Platform Services (SPS) Firmware for HPE ProLiant DL320/ML110 Gen11 Servers Release Version:06.01.04.075.0 Last Recommended or Critical Revision:06.01.04.075.0 Previous Revision:06.01.04.047.0 Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Problems Fixed:None Known Issues:None

**Enhancements**

Important Notes:This version of the Server Platform Services (SPS) Firmware contains the latest package for 4th and 5th Generation Intel Xeon Scalable Processors. This version of the SPS should be paired with System ROM 2.40.Firmware Dependencies:None

**Enhancements/New Features:**

This version is in compliance with Intel uPLR3 guidance.Known Issues:None

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**ROM Flash Firmware Package - Server Platform Services Manageability Engine Firmware for the Intel C262 PCH based systems**

Version: 06.03.04.048.0 (Recommended)

**Enhancements**

Version 06.03.04.048.0 firmware

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**HPE Lights-Out Online Configuration Utility for Linux (AMD64/EM64T)**

Version: 6.0.0-0 (B) (Optional)

**Prerequisites**

For Integrated Lights-Out 5, this utility requires minimum firmware revision 1.20 or later.The management interface driver and management agents must be installed on the server.For iLO 5 or later, openssl v1.0.x or later is required in addition to above packages.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

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**HPE Lights-Out Online Configuration Utility for Windows x64 Editions**

Version: 6.0.0.0 (A) (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**

This utility requires the following minimum firmware revisions:

- Integrated Lights-Out 5 firmware v1.30 or later
- Integrated Lights-Out 6 firmware v1.10 or later The management interface driver must be installed on the server.

Microsoft .Net Framework 2.0 or later is required to launch HPONCFG GUI.

**Fixes**

None.

**Enhancements**

Added support for Windows 2025

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**HPE iLO Driver Bundle Smart Component for ESXi 8.0 and ESXi 9.0**

Version: 2025.03.00 (Recommended)

**Enhancements**

Support VMware ESXi 9.0.

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**Smart Storage Administrator (SSA) CLI Smart Component for ESXi 8.0 for Gen10/Gen10 Plus/Gen11 Controllers**

Version: 2025.02.01 (Recommended)

**Important Note!**

- Actual ESXi ssacli version is 6.45.8.0

**Fixes**

- Corrected wrong wording of Parity Initialization messages.
- Fixed vulnerability CVE-2023-45853.

**Enhancements**

- Added Write Cache Status field to the info page for physical drives when "pd all show detail" is used.

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**Smart Storage Administrator (SSA) CLI Smart Component for ESXi 9.0 for Gen10/Gen10 Plus/Gen11 Controllers**

Version: 2025.03.01 (Recommended)

**Important Note!**

- Actual ESXi Version is 6.50.8.0

**Enhancements**

- Initial Release.

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**HPE MegaRAID Storage Administrator StorCLI for VMware8.0 (For Gen10P and Gen11 Controllers)**

Version: 2025.01.01 (B) (Recommended)

**Important Note!**

- Actual ESXi Version is 007.3011.0000.0000

**Enhancements**

- Support new Gen12 servers.

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**HPE MegaRAID Storage Administrator StorCLI for VMware9.0 (For Gen10P and Gen11 Controllers)**

Version: 2025.01.01 (Recommended)

**Important Note!**

- Actual ESXi Version is 007.3011.0000.0000

**Enhancements**

- Initial release.

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**HPE QLogic Fibre Channel driver component for VMware vSphere 8.0**

Version: 2024.09.01 (Recommended)

**Important Note!**

This component is supported only on Gen11 ProLiant servers.Release Notes:HPE QLogic Adapters 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 SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb 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!**

This component is supported only on Gen11 ProLiant servers.Release Notes:HPE QLogic Adapters 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 SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

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**HPE QLogic Fibre Channel driver component for VMware vSphere 9.0**

Version: 2025.03.01 (Recommended)

**Important Note!**

This component is supported only on Gen11 ProLiant servers.Release Notes:HPE QLogic Adapters 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 9.0

**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 9.0

**Supported Devices and Features**

- HPE SN1610Q 32Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1610Q 32Gb Single Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Dual Port Fibre Channel Host Bus Adapter
- HPE SN1700Q 64Gb Single Port Fibre Channel Host Bus Adapter

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**Agentless Management Service (iLO 5, iLO 6 and iLO 7) for Red Hat Enterprise Linux 9 Server**

Version: 4.0.0 (Recommended)

**Prerequisites**

- amsd only supported on HPE Gen10/Gen10 Plus and later Server Generations.
- amsd provides information to the iLO 5,iLO 6 and iLO 7 service providing SNMP support
- For HPE servers with iLO 7:

Ensure that the iLO Virtual NIC(VNIC) feature is enabled. Please refer to the HPE iLO User Guide for VNIC configuration procedure.

**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.

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**Agentless Management Service (iLO5, iLO 6) for Red Hat Enterprise Linux 8 Server**

Version: 3.7.0 (Recommended)

**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.

**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.

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**Agentless Management Service for Microsoft Windows x64**

Version: 4.10.0.0 (Recommended)

**Important Note!**

About installation and enablement of SMA service:

- During AMS installation in interactive mode, there is pop up message to selectively install SMA.
- If Yes is selected, SMA service will be installed and set to running state.
- If No is selected, SMA service will be installed but the service is not enabled.
- During AMS installation in silent mode, SMA is installed but the service is not enabled.
- To enable SMA service at a later time, go to the following folder: %ProgramFiles%¥OEM¥AMS¥Service¥ (Typically c:¥Program Files¥OEM¥AMS¥Service) and execute "EnableSma.bat /f"
- IMPORTANT: The SNMP service community name and permission must also be setup. This is not done by "EnableSma.bat".
- To disable SMA after it has been enabled, go to the following folder: %ProgramFiles%¥OEM¥AMS¥Service¥ (Typically c:¥Program Files¥OEM¥AMS¥Service) and execute "DisableSma.bat /f"
- After installing Windows operating system, make sure all the latest Microsoft Updates are downloaded and installed (wuapp.exe can be launched to start the update process).

If this is not done, a critical error may be reported in Windows Event Log, "The Agentless Management Service terminated unexpectedly.".AMS Control Panel Applet:

- The AMS control panel applet UI is best displayed on the system when screen resolution is 1280 x 1024 pixels or higher and text size 100%.
- Test trap generated from AMS Control Panel Applet requires iLO6 firmware version 1.1 and newer.
- When in iLO6 high security mode (e.g. FIPS mode), MD5 authentication protocol will not be shown.

**Prerequisites**

The Channel Interface Driver for Windows X64 must be installed prior to this component.Microsoft SNMP Service must be enabled, if SMA (System Management Assistant) is enabled.For HPE servers with iLO7:Ensure that the iLO Virtual NIC(VNIC) feature is enabled. Please refer to the HPE iLO User Guide for VNIC configuration procedure.

**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.

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**HPE Agentless Management Bundle Smart Component on ESXi for Gen11 and Gen12 Servers**

Version: 2025.03.01 (Recommended)

**Prerequisites**

For HPE servers with iLO 7:Ensure that the iLO Virtual NIC(VNIC) feature is enabled. Please refer to the HPE iLO User Guide for VNIC configuration procedure

**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.

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**HPE MegaRAID Storage Administrator for Linux 64-bit (HPE MRSA for Gen10P and Gen11 Controllers)**

Version: 8.10.12.0 (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.

**Enhancements**

- Support Azure Stack HCI 23H2 OS.
- Support new Gen12 servers.

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**HPE MegaRAID Storage Administrator for Windows 64-bit (HPE MRSA for Gen10 Plus and Gen11 Controllers)**

Version: 8.10.12.0 (B) (Recommended)

**Important Note!**

- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR controllers.

**Enhancements**

- Support new Gen12 servers.

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**HPE MegaRAID Storage Administrator StorCLI for Linux 64-bit (for Gen10 and Gen11 Controllers)**

Version: 007.3011.0000.0000 (B) (Recommended)

**Enhancements**

- Support Azure Stack HCI 23H2 OS.
- Support new Gen12 servers.

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**HPE MegaRAID Storage Administrator StorCLI for Windows 64-bit (for Gen10P and Gen11 Controllers)**

Version: 7.3011.0.0 (B) (Recommended)

**Important Note!**

- Please do not update MR controller FW/MRSA/StorCLI if systems installed both SR100i and MR

controllers.

**Enhancements**

- Support Azure Stack HCI 23H2 OS.
- Support new Gen12 servers.

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**Smart Storage Administrator (SSA) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers**

Version: 6.45.8.0 (Recommended)

**Fixes**

- Corrected wrong wording of Parity Initialization messages.
- Fixed vulnerability CVE-2023-45853.

**Enhancements**

- Added Write Cache Status field to the info page for physical drives when "pd all show detail" is used.

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**Smart Storage Administrator (SSA) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers**

Version: 6.45.8.0 (Recommended)

**Fixes**

- Corrected wrong wording of Parity Initialization messages.
- Fixed vulnerability CVE-2023-45853.

**Enhancements**

- Added Write Cache Status field to the info page for physical drives when "pd all show detail" is used.

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**Smart Storage Administrator (SSA) for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers**

Version: 6.45.8.0 (Recommended)

**Prerequisites**

The Smart Storage Administrator for Linux requires the System Management Homepage software to be installed on the server. If the System Management Homepage software is not already installed on your server, please download it from HPE.com and install it before installing the Smart Storage Administrator for Linux.IMPORTANT UPDATE: SSA (GUI) for Linux can now be run without requiring the System Management Homepage. SSA now supports a Local Application Mode for Linux. The System Management Homepage is still supported, but no longer required to run the SSA GUI.To invoke, enter the following at the command prompt:ssa -local The command will start SSA in a new Firefox browser window. When the browser window is closed, SSA will automatically stop. This is only valid for the loopback interface, and not visible to external network connections.

**Fixes**

- Fixed inappropriately prompted Rapid Parity Initialization messages.

- Fixed vulnerability CVE-2023-45853.

**Enhancements**

- Added Write Cache Status field to the info page for physical drives.

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**Smart Storage Administrator (SSA) for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers**

Version: 6.45.8.0 (Recommended)

**Fixes**

- Fixed inappropriately prompted Rapid Parity Initialization messages.
- Fixed vulnerability CVE-2023-45853.

**Enhancements**

- Added Write Cache Status field to the info page for physical drives.

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**Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit for Gen10/Gen10 Plus/Gen11 Controllers**

Version: 6.45.8.0 (Recommended)

**Fixes**

- Corrected wrong wording of Parity Initialization messages.
- Fixed vulnerability CVE-2023-45853.

**Enhancements**

- Added Write Cache Status field to the info page for physical drives when "pd all show detail" is used.

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**Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit for Gen10/Gen10 Plus/Gen11 Controllers**

Version: 6.45.8.0 (Recommended)

**Important Note!**

This stand alone version of the Smart Storage Administrator's Diagnostic feature is available only in CLI form. For the GUI version of Diagnostic reports, please use Smart Storage Administrator (SSA).

**Fixes**

- Corrected wrong wording of Parity Initialization messages.
- Fixed vulnerability CVE-2023-45853.

**Enhancements**

- Added Write Cache Status field to the info page for physical drives when "pd all showdetail" is used.