

**HA8000V シリーズ**

**Service Pack for HA8000V (SPH)**

**Version 4.60 20**

**Readme**

2020年4月

## 1. はじめに

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

### 1.1 他社所有名称に対する表示

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

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

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

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

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

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

### 1.2 注意事項

- (1) 本書は改良のため、予告なしに変更することがあります。
- (2) Service Pack for HA8000V のご使用に当たっては、<CD ドライブ>¥EULA に格納された「エンドユーザー使用許諾契約書」をお読みください。
- (3) Service Pack for HA8000V に瑕疵が無いことを保証するものではありません。
- (4) Service Pack for HA8000V は、「3 適用機種及びOS」記載のプラットフォームでご使用いただけます。
- (5) 天災、人災、事故等で Service Pack for HA8000V 使用中に電源が切れま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。こちらも含わせてご参照ください。マニュアルは『ドキュメントポータル』の「マニュアル > サーバ」-「HA8000V シリーズ」より参照いただけます。

---

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

---

### 1.3 変更履歴

発行日	変更内容
2018年12月	初版
2019年2月	適用機種追加(DL20/ML30 Gen10), 適用OS追加(Microsoft® Windows Server® 2019), サポートデバイス追加(Ethernet 10Gb 2P 521T Adptr)
2019年4月	5.10 追記
2020年4月	5.3 (2)追記

## 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

### 3.1 適用機種

- HA8000V/DL20 Gen10
- HA8000V/DL360 Gen10
- HA8000V/DL380 Gen10
- HA8000V/DL580 Gen10
- HA8000V/ML30 Gen10
- HA8000V/ML350 Gen10

### 3.2 適用 OS

- Microsoft® Windows Server® 2019
- Microsoft® Windows Server® 2016
- Microsoft® Windows Server® 2012 R2
- Red Hat® Enterprise Linux® Server 7.5
- Red Hat® Enterprise Linux® Server 7.4
- Red Hat® Enterprise Linux® Server 6.10
- Red Hat® Enterprise Linux® Server 6.9
- VMware vSphere® ESXi™ 6.7
- VMware vSphere® ESXi™ 6.5
- VMware vSphere® ESXi™ 6.0

## 4. 変更内容

本章では、今回のリリースの変更内容を記載しています。

### 4.1 新規サポート内容

#### (1) 追加サポート機種及びOS

- 追加サポート機種
  - HA8000V/DL20 Gen10
  - HA8000V/ML30 Gen10
- 追加サポートOS
  - Red Hat® Enterprise Linux® Server 6.10
  - VMware® vSphere ESXi™ 6.7
  - Microsoft® Windows Server® 2019

#### (2) 追加サポートデバイス

- Ethernet 10Gb 2P 521T Adptr

### 4.2 更新内容

『6.3 パッケージの変更内容』を参照ください。

## 5. 注意事項

本章では、SPH をご使用になる上で、注意頂く内容を記載しています。

### 5.1 ドライバ・ユーティリティなどの適用について

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

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

### 5.2 OS の新規・再セットアップの場合の注意事項

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

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

GUI の場合：

SUM を起動し、「展開サマリー(Deployment summary)」画面右上の[ アクション(Actions) ]-[ アドバン

ストオプション(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：

“setattributes”で firmware=false を設定してください。

例) # ./smartupdate setattributes --nodes localhost firmware=false

### 5.3 SUM によるアップデート時の注意事項

#### (1) ファームウェア/ドライバの依存関係について

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

GUI の場合：

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

CLI の場合：

“Inventory”までの手順を実行後“getneededupdates”を実行し、“Component”セクションが表示されないことを確認してください。

#### (2) 適用バージョンについて

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

ネットワークアダプタ及びファイバーチャネルホストバスアダプタは、SPH 収録のドライバ/ファームウェアの組み合わせでご利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。

## 5.4 SUMでのランゲージパックバージョン表示と適用に関する制限事項

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、上記確認の結果、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、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ボタンをクリックをしてください。

【注意】

本制限のため、5.3 に示す確認手順で、ランゲージパックが適用対象として残る場合があります。

## 5.5 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ーの再起動をおこなう機能です。IP(version 3.10 以降)を使った OS のインストール又は SPH(version 3.00 以降)の適用、その他の方法による ASR ドライバー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。

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

ASR の有効/無効の確認並びに切り替えは ASR ドライバー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。下記を参照して PowerShell スクリプトを入手してください。

(1) ASR ドライバー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、下表記載の各 OS に対応した Filename 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。

Description	Version	Filename
iLO 5 Automatic Server Recovery Driver for Windows Server 2012 R2	4.4.0.0	cp035137.exe
iLO 5 Automatic Server Recovery Driver for Windows Server 2016 and Server 2019	4.4.0.0 (B)	cp035140.exe

(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

### 5.5.2 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
```

### 5.5.3 ASRの無効化方法

Windows の PowerShell より下記のオプションで 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
```

### 5.5.4 ASRの有効化方法

Windows の PowerShell より下記のオプションで 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
```

## 5.6 ドライバアップデート時の注意事項

ネットワークアダプタドライバをアップデートした場合、ドライバアップデート後、設定値が初期化される場合があります。ドライバアップデート前に設定値を控え、アップデート後に再設定してください。



## 5.7 Linux 環境で TPM を有効にしている場合の注意事項

Linux 環境で Trusted Platform Module(TPM)を有効にしている場合、下記のエラーと共にランゲージパックのアップデートに失敗します。

```
ERROR: Conflicting command line options [--silent requires --tpmbypass option (Trusted Platform Module is present on this system)]
```

本問題を回避するには、Linux でのランゲージパックのアップデートには SUM を使用せず、アップデートファイルを直接実行します。

アップデートファイルは SPH の packages ディレクトリにある “firmware-lpk-ilo-1.30-1.1.x86\_64.rpm”です。実行手順は次に示します。

(1) rpm コマンドでアップデートファイルを展開します。

```
# rpm -ivh firmware-lpk-ilo-1.30-1.1.x86_64.rpm
```

(2) cd コマンドでアップデートファイルの展開先に移動します。

```
# cd /usr/lib/x86_64-linux-gnu/firmware-lpk-ilo-1.30-1.1/
```

(3) setup コマンドでアップデートを実行します。

```
# ./setup
```

```
CAUTION: A Trusted Platform Module (TPM) has been detected in this system.
```

```
Failure to perform proper OS encryption procedures will result in loss of access to your data if recovery key is not available. Recommended procedure for Microsoft Windows(R) BitLocker(TM) is to "suspend" BitLocker prior to System ROM or Option ROM firmware flash. If you do not have your recovery key or have not suspended BitLocker, exit this flash: Failure to follow these instructions will result in loss of access to your data.
```

```
Continue (y/N)?y
```

```
FLASH_iLO5 v3.04 for Linux (Apr 11 2018)
```

```
Firmware image: lang_ja_130_p10.lpk
```

```
Language pack update:CP035841.xml reports language pack version 1.30
```

```
Server is in Production State;
```

```
This operation will update the language pack on the iLO 5 in this server with version 1.30.
```

```
Continue (y/N)?y
```

```
Current firmware is 1.30 (May 31 2018 00:00:00)
```

```
Firmware image is 0x73afc(473852) bytes
```

```
Committing to flash part...
```

\*\*\*\*\* DO NOT INTERRUPT! \*\*\*\*\*

Flashing is underway... 100 percent programmed. –

Succeeded.

\*\*\*\* iLO 5 reboot in progress (may take more than 60 seconds.)

\*\*\*\* Please ignore console messages, if any.

iLO 5 reboot completed.

## 5.8 VMware をご使用にあたっての注意事項

### 5.8.1 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、『5.8.2 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、下記設定をアップデート作業前に実施して下さい。

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

#### 【オフライン 展開モードを使用する場合】

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

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

### 5.8.2 iSUT のインストール

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

とができます。

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

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

No.	VMware バージョン	SPH package ファイル名	オフラインバンドルファイル名
1	VMware vSphere® ESXi™ 6.0	cp037192.zip	sut-esxi6.0-bundle-2.3.6.0-16.zip
2	VMware vSphere® ESXi™ 6.5	cp037196.zip	sut-esxi6.5-bundle-2.3.6.0-18.zip
3	VMware vSphere® ESXi™ 6.7	cp035501.zip	sut-esxi6.7-bundle-2.3.6-21.zip

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

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

- (8) VMware ESXi を再起動してください。  
(9) 再起動後、再度 VMware ESXi の Shell 画面を開き、root ユーザーでログインします。  
(10) 下記コマンドを実行し、iSUT を AutoDeployReboot モードに設定します。

```
sut -set mode=autodeployreboot
```

### 5.8.3 Intel 製ネットワークアダプタファームウェアのインストールについて

VMware vSphere® ESXi™ 6.0/6.5/6.7 をご使用の場合、Intel 製ネットワークアダプタの VMware 稼働中のオンラインファームウェアアップデートには対応しておりません。当該アダプタをご使用の場合は、SUM のオフライン 展開モードをご使用ください。

#### 【対象製品】

対象製品	
形名(*1)	製品名
TQ-N□□-817745-B21	Ethernet 10Gb 2 ポート 562FLR-T ネットワークアダプター
TQ-N□□-817738-B21	Ethernet 10Gb 2 ポート 562T ネットワークアダプター
TQ-N□□-665240-B21	Ethernet 1Gb 4 ポート 366FLR ネットワークアダプター
TQ-N□□-652497-B21	Ethernet 1Gb 2 ポート 361T ネットワークアダプター
TQ-N□□-811546-B21	Ethernet 1Gb 4 ポート 366T ネットワークアダプター
TQ-N□□-727054-B21	Ethernet 10Gb 2 ポート 562FLR-SFP+ ネットワークアダプター
TQ-N□□-727055-B21	Ethernet 10Gb 2 ポート 562SFP+ ネットワークアダプター

(\*1) : □には製品構成などにより異なった英数字が入ります。

#### 5.8.4 Qlogic 製 Fibre Channel HBA ドライバのバージョン確認及びインストールについて

VMware vSphere® ESXi™ 6.0/6.5 をご使用の場合、適用中の Qlogic 製 Fibre Channel HBA ドライバ(qlnativefc)のバージョンが、SUM(Smart Update Manager)で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、VM ホストのコンソールから下記コマンドを実行してください。

```
esxcfg-module -i qlnativefc | grep Version
```

(実行例)

```
# esxcfg-module -i qlnativefc | grep Version  
Version: 2.1.73.0-1OEM.600.0.0.2768847
```

本 SPH 適用後の Qlogic 製 Fibre Channel HBA ドライバ(qlnativefc)のバージョンは、『6.2.7 Driver - Storage Fibre Channel and Fibre Channel over Ethernet』を参照してください。

また、上記不具合の結果、本 SPH 収録の Qlogic 製 Fibre Channel HBA ドライバが未適用にもかかわらず、適用対象として自動的に選択されない場合があります。この場合、下記手順にてインストールを実施してください。

#### 【SUM GUI を使用する場合】

インベントリ実行後の「展開サマリー」画面で、該当ドライバの「コンポーネントを選択」列をクリックし、該当ドライバを選択状態にしてから展開ボタンを押してください。

#### 【VM ホスト上の CLI を使用する場合】

(1) Qlogic 製 Fibre Channel HBA ドライバは SPH の packages ディレクトリに収録されています。該当 zip ファイルを展開し、Qlogic 製 Fibre Channel HBA ドライバのオフラインバンド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 vSphere® ESXi™ 6.0	cp035928.zip	VMW-ESX-6.0.0-qlnativefc-2.1.73.0-8165290.zip
2	VMware vSphere® ESXi™ 6.5	cp035929.zip	VMW-ESX-6.0.0-qlnativefc-2.1.73.0-8165290.zip

(2) 取り出したオフラインバンドルを Hypervisor の「datastore1」直下へに転送してください。

(3) VMware ESXi のコンソール画面で「F2」キーを押すと Login 画面が表示されるので、root ユーザーでログインします。

(4) 「System Customization」画面が表示されるので、「Troubleshooting Options」を選択して、「Enter」キーを押下します。

(5) 「Enable ESXi Shell」を選択し、「Enter」キーを押下して ESXi Shell を "Enable" に変更します。

(6) 「Alt」+「F1」キーを押下し、VMware ESXi の Shell 画面を開き、root ユーザーでログインします。

(7) 下記コマンドを実行しインストールします。

```
esxcli software vib install -d /vmfs/volumes/datastore1/VMW-ESX-6.0.0-qlnativefc-2.1.73.0-8165290.zip
```

(8) VMware ESXi を再起動してください。

## 5.8.5 ドライバパラメータ再設定について

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

### 【対象製品及びドライバ種】

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

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

(\*1)：□には製品構成などにより異なった英数字が入ります。

### 【再設定手順】

#### (1) ドライバパラメータの確認及び記録

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

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

<driver name>：アップデート前ドライバ種

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

(実行例) net-ixgbe の場合

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

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

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

(実行例) net-ixgbe の場合

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

## (2) ドライバパラメータの再設定

ドライバのアップデート前に、以下コマンドを実行し、控えたドライバパラメータを再設定して下さい。

```
esxcfg-module -s "yyyy" <driver name>
yyyy : 控えたドライバパラメータ
<driver name> : アップデート前ドライバ種
```

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

(実行例) ixgben の場合

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

## (3) VMware ESXi の再起動

変更を有効にするため、VMware ESXi を再起動してください。

## 5.9 SUM オフライン展開モードご使用時の注意事項

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。

## 5.10 RHEL7.4 または RHEL7.5 環境での 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のファームウェアは、特定バージョン以降、ダウングレードできない制約があります。

下表のファームウェアバージョン(SPH5.00 収録)以降が適用されている環境において、RHEL7.4 または、RHEL7.5 でネットワークアダプタをご使用になる場合、下表のファームウェアバージョンのまま、(a)(b)に示すドライバの組み合わせでご使用ください。

(a)RHEL7.4 : SPH4.60 収録ドライバ

(b)RHEL7.5 : OS 標準ドライバ または、SPH5.00 収録ドライバ(※)

※：RHEL7.5 環境でご使用の場合は、SPH5.00 収録ドライバへアップデートを推奨します。

形名(*1) or 搭載システム装置	製品名	ファームウェアバージョン
TQ-N□□-817745-B21	Ethernet 10Gb 2 ポート 562FLR-T ネットワークアダプター	10.4.4
TQ-N□□-817738-B21	Ethernet 10Gb 2 ポート 562T ネットワークアダプター	
TQ-N□□-727054-B21	Ethernet 10Gb 2 ポート 562FLR-SFP+ ネットワークアダプター	10.4.3
TQ-N□□-727055-B21	Ethernet 10Gb 2 ポート 562SFP+ ネットワークアダプター	
HA8000V / ML350 Gen10 オンボード NIC	Ethernet 1Gb 4-port 369i ネットワークアダプター	1.2028.0

(\*1)：□には製品構成などにより異なった英数字が入ります。

## 6. SPH収録コンテンツ一覧

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

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

以降、それぞれのコンテンツについて説明します。

### 6.1 お客様により適用が必要なコンテンツ

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

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

#### 【Broadcom 製 1Gb LAN アダプタ】

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



(1) ITRU のインストール

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

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

なお、ITRU のインストールに関する詳細情報は次の WEB ページ

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

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

(2) ネットワークアダプタ レジストリ設定の適用

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

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

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

ツール実行後、OS を再起動してください。

## 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。SPH を使ってアップデート作業を行うには、SPH 内のデータをローカルドライブにコピーし、SUM を実行してください。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
```

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

### Category 一覧

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

## 6.2.1 Application - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
1	Integrated Smart Update Tools 2.3.6 for ESXi 6.0	cp037192.zip	-	2018.11.13	6.0.0.2.3.6.0-18	更新
2	Integrated Smart Update Tools 2.3.6 for ESXi 6.5	cp037196.zip	-	2018.11.13	6.5.0.2.3.6-17	更新
3	Integrated Smart Update Tools 2.3.6 for ESXi 6.7	cp035501.zip	-	2018.11.13	6.7.0.2.3.6-30	新規追加
4	Integrated Smart Update Tools for Linux x64	sut-2.3.6-20.linux.x86_64.rpm	-	2.3.6.0	2.3.6.0	更新
5	Integrated Smart Update Tools for Windows x64	cp036670.exe	-	2.3.6.0	2.3.6.0	更新

## 6.2.2 BIOS - System ROM

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
6	Online ROM Flash Component for Linux - OEM System ROM U34	firmware-system-oem-u34-1.46_2018_10_02-1.1.x86_64.rpm	System BIOS - U34	1.46_10-02-2018	v1.46 (10/02/2018)	更新
7	Online ROM Flash Component for Linux - System ROM U30	firmware-system-oem-u30-1.46_2018_10_02-1.1.x86_64.rpm	System BIOS - U30	1.46_10-02-2018	v1.46 (10/02/2018)	更新
8	Online ROM Flash Component for Linux - System ROM U32	firmware-system-oem-u32-1.46_2018_10_02-1.1.x86_64.rpm	System BIOS - U32	1.46_10-02-2018	v1.46 (10/02/2018)	更新
9	Online ROM Flash Component for Linux - System ROM U41	firmware-system-oem-u41-1.46_2018_10_02-1.1.x86_64.rpm	System BIOS - U41	1.46_10-02-2018	v1.46 (10/02/2018)	更新
10	Online ROM Flash Component for Linux - System ROM U43	firmware-system-oem-u43-1.02_2018_10_02-1.1.x86_64.rpm	System BIOS - U43	1.02_10-02-2018	v1.02 (10/02/2018)	新規追加
11	Online ROM Flash Component for Linux - System ROM U44	firmware-system-oem-u44-1.02_2018_10_02-1.1.x86_64.rpm	System BIOS - U44	1.02_10-02-2018	v1.02 (10/02/2018)	新規追加
12	Online ROM Flash Component for Windows x64 - OEM System ROM U34	cp036684.exe	System BIOS - U34	1.46_10-02-2018	v1.46 (10/02/2018)	更新
13	Online ROM Flash Component for Windows x64 - System ROM U30	cp036206.exe	System BIOS - U30	1.46_10-02-2018	v1.46 (10/02/2018)	更新
14	Online ROM Flash Component for Windows x64 - System ROM U32	cp036208.exe	System BIOS - U32	1.46_10-02-2018	v1.46 (10/02/2018)	更新
15	Online ROM Flash Component for Windows x64 - System ROM U41	cp037582.exe	System BIOS - U41	1.46_10-02-2018	v1.46 (10/02/2018)	更新
16	Online ROM Flash Component for Windows x64 - System ROM U43	cp037696.exe	System BIOS - U43	1.02_10-02-2018	v1.02 (10/02/2018)	新規追加
17	Online ROM Flash Component for Windows x64 - System ROM U44	cp037701.exe	System BIOS - U44	1.02_10-02-2018	v1.02 (10/02/2018)	新規追加
18	ROM Flash Firmware Package - HPE ProLiant DL360 Gen10 (U32) Servers	U32_1.46_10_02_2018.fwpkg	System BIOS - U32	1.46_10-02-2018	v1.46 (10/02/2018)	新規追加
19	ROM Flash Firmware Package - HPE ProLiant DL380 Gen10 (U30) Servers	U30_1.46_10_02_2018.fwpkg	System BIOS - U30	1.46_10-02-2018	v1.46 (10/02/2018)	新規追加
20	ROM Flash Firmware Package - HPE ProLiant ML350 Gen10 (U41) Servers	U41_1.46_10_02_2018.fwpkg	System BIOS - U41	1.46_10-02-2018	v1.46 (10/02/2018)	新規追加
21	ROM Flash Firmware Package - System ROM U43	OEM.U43_1.02_10_02_2018.fwpkg	System BIOS - U43	1.02_10-02-2018	v1.02 (10/02/2018)	新規追加

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
22	ROM Flash Firmware Package - System ROM U44	OEM.U44_1.02_10_02_2018.fwpkg	System BIOS - U44	1.02_10-02-2018	v1.02 (10/02/2018)	新規追加

### 6.2.3 Driver – Chipset

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
23	Identifiers for Intel Xeon Processor Scalable Family for Windows Server 2012 R2 to Server 2019	cp035802.exe	-	10.1.17809.8096	10.1.17809.8096	更新

### 6.2.4 Driver – Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
24	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp037379.exe	HP Ethernet 1Gb 2-port 332T Adapter	214.0.0.0	214.0.0.0	更新
25	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp037379.exe	HP Ethernet 1Gb 4-port 331FLR Adapter	214.0.0.0	214.0.0.0	更新
26	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp037379.exe	HP Ethernet 1Gb 4-port 331T Adapter	214.0.0.0	214.0.0.0	更新
27	HPE Broadcom NX1 1Gb Driver for Windows Server x64 Editions	cp037379.exe	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	214.0.0.0	214.0.0.0	更新
28	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-tg3-3.137w-3.rhel6u10.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	3.137w-3 (B)	3.137w-3 (B)	新規追加
29	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-tg3-3.137w-3.rhel6u10.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	3.137w-3 (B)	3.137w-3 (B)	新規追加
30	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-tg3-3.137w-3.rhel6u10.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	3.137w-3 (B)	3.137w-3 (B)	新規追加
31	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-tg3-3.137w-3.rhel6u10.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	3.137w-3 (B)	3.137w-3 (B)	新規追加
32	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-tg3-3.137w-3.rhel6u9.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	3.137w-3 (B)	3.137w-3 (B)	更新
33	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-tg3-3.137w-3.rhel6u9.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	3.137w-3 (B)	3.137w-3 (B)	更新
34	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-tg3-3.137w-3.rhel6u9.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	3.137w-3 (B)	3.137w-3 (B)	更新
35	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-tg3-3.137w-3.rhel6u9.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	3.137w-3 (B)	3.137w-3 (B)	更新
36	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.137w-3.rhel7u4.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	3.137w-3	3.137w-3	
37	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.137w-3.rhel7u4.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	3.137w-3	3.137w-3	
38	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.137w-3.rhel7u4.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	3.137w-3	3.137w-3	

39	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.137w-3.rhel7u4.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	3.137w-3	3.137w-3	
40	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.137w-3.rhel7u5.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	3.137w-3	3.137w-3	
41	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.137w-3.rhel7u5.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	3.137w-3	3.137w-3	
42	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.137w-3.rhel7u5.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	3.137w-3	3.137w-3	
43	HPE Broadcom tg3 Ethernet Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-tg3-3.137w-3.rhel7u5.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	3.137w-3	3.137w-3	
44	HPE Broadcom tg3 Ethernet Drivers for VMware vSphere 6.0	cp035307.zip	HP Ethernet 1Gb 2-port 332T Adapter	2018.09.00	3.137l.v60.1-1 OEM.600.0.0.2494585	
45	HPE Broadcom tg3 Ethernet Drivers for VMware vSphere 6.0	cp035307.zip	HP Ethernet 1Gb 4-port 331T Adapter	2018.09.00	3.137l.v60.1-1 OEM.600.0.0.2494585	
46	HPE Broadcom tg3 Ethernet Drivers for VMware vSphere 6.0	cp035307.zip	HP Ethernet 1Gb 4-port 331FLR Adapter	2018.09.00	3.137l.v60.1-1 OEM.600.0.0.2494585	
47	HPE Broadcom tg3 Ethernet Drivers for VMware vSphere 6.0	cp035307.zip	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	2018.09.00	3.137l.v60.1-1 OEM.600.0.0.2494585	
48	HPE Intel E1R Driver for Windows Server 2016	cp037389.exe	HP Ethernet 1Gb 2-port 361T Adapter	12.15.184.0 (C)	12.15.184.0 (C)	更新
49	HPE Intel E1R Driver for Windows Server 2016	cp037389.exe	HP Ethernet 1Gb 4-port 366FLR Adapter	12.15.184.0 (C)	12.15.184.0 (C)	更新
50	HPE Intel E1R Driver for Windows Server 2016	cp037389.exe	HP Ethernet 1Gb 4-port 366T Adapter	12.15.184.0 (C)	12.15.184.0 (C)	更新
51	HPE Intel i40e Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-i40e-2.4.11-0.rhel6u10.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	2.4.11-0	2.4.11-0	新規追加
52	HPE Intel i40e Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-i40e-2.4.11-0.rhel6u10.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2.4.11-0	2.4.11-0	新規追加
53	HPE Intel i40e Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-i40e-2.4.11-0.rhel6u10.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2.4.11-0	2.4.11-0	新規追加
54	HPE Intel i40e Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-i40e-2.4.11-0.rhel6u9.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	2.4.11-0	2.4.11-0	更新
55	HPE Intel i40e Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-i40e-2.4.11-0.rhel6u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2.4.11-0	2.4.11-0	更新
56	HPE Intel i40e Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-i40e-2.4.11-0.rhel6u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2.4.11-0	2.4.11-0	更新
57	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.4.11-0.rhel7u4.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	2.4.11-0	2.4.11-0	更新
58	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.4.11-0.rhel7u4.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2.4.11-0	2.4.11-0	更新
59	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.4.11-0.rhel7u4.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2.4.11-0	2.4.11-0	更新

60	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.4.11-0.rhel7u5.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	2.4.11-0	2.4.11-0	更新
61	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.4.11-0.rhel7u5.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2.4.11-0	2.4.11-0	更新
62	HPE Intel i40e Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40e-2.4.11-0.rhel7u5.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2.4.11-0	2.4.11-0	更新
63	HPE Intel i40ea Driver for Windows Server 2012 R2	cp033275.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.8.83.0	1.8.83.0	更新
64	HPE Intel i40ea Driver for Windows Server 2012 R2	cp033275.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.8.83.0	1.8.83.0	更新
65	HPE Intel i40ea Driver for Windows Server 2016	cp033276.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.8.83.0	1.8.83.0	更新
66	HPE Intel i40ea Driver for Windows Server 2016	cp033276.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.8.83.0	1.8.83.0	更新
67	HPE Intel i40eb Driver for Windows Server 2012 R2	cp033277.exe	HPE Ethernet 1Gb 4-port 369i Adapter	1.8.83.0	1.8.83.0	更新
68	HPE Intel i40eb Driver for Windows Server 2016	cp033278.exe	HPE Ethernet 1Gb 4-port 369i Adapter	1.8.83.0	1.8.83.0	更新
69	HPE Intel i40en Driver for VMware vSphere 6.0	cp035292.zip	HPE Ethernet 1Gb 4-port 369i Adapter	2018.09.00	1.5.8-1OEM.600.0.0.2768847	
70	HPE Intel i40en Driver for VMware vSphere 6.0	cp035292.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2018.09.00	1.5.8-1OEM.600.0.0.2768847	
71	HPE Intel i40en Driver for VMware vSphere 6.0	cp035292.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2018.09.00	1.5.8-1OEM.600.0.0.2768847	
72	HPE Intel i40en Driver for VMware vSphere 6.5	cp035293.zip	HPE Ethernet 1Gb 4-port 369i Adapter	2018.09.00	1.5.8-1OEM.650.0.0.4598673	
73	HPE Intel i40en Driver for VMware vSphere 6.5	cp035293.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2018.09.00	1.5.8-1OEM.650.0.0.4598673	
74	HPE Intel i40en Driver for VMware vSphere 6.5	cp035293.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2018.09.00	1.5.8-1OEM.650.0.0.4598673	
75	HPE Intel i40en Driver for VMware vSphere 6.7	cp035294.zip	HPE Ethernet 1Gb 4-port 369i Adapter	2018.11.13	1.7.1-1OEM.670.0.0.8169922	新規追加
76	HPE Intel i40en Driver for VMware vSphere 6.7	cp035294.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2018.11.13	1.7.1-1OEM.670.0.0.8169922	新規追加
77	HPE Intel i40en Driver for VMware vSphere 6.7	cp035294.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2018.11.13	1.7.1-1OEM.670.0.0.8169922	新規追加
78	HPE Intel i40evf Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-i40evf-3.5.13-0.rhel6u10.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	3.5.13-0	3.5.13-0	新規追加

79	HPE Intel i40evf Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-i40evf-3.5.13-0.rhel6u10.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	3.5.13-0	3.5.13-0	新規追加
80	HPE Intel i40evf Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-i40evf-3.5.13-0.rhel6u10.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	3.5.13-0	3.5.13-0	新規追加
81	HPE Intel i40evf Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-i40evf-3.5.13-0.rhel6u9.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	3.5.13-0	3.5.13-0	更新
82	HPE Intel i40evf Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-i40evf-3.5.13-0.rhel6u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	3.5.13-0	3.5.13-0	更新
83	HPE Intel i40evf Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-i40evf-3.5.13-0.rhel6u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	3.5.13-0	3.5.13-0	更新
84	HPE Intel i40evf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40evf-3.5.13-0.rhel7u4.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	3.5.13-0	3.5.13-0	更新
85	HPE Intel i40evf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40evf-3.5.13-0.rhel7u4.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	3.5.13-0	3.5.13-0	更新
86	HPE Intel i40evf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40evf-3.5.13-0.rhel7u4.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	3.5.13-0	3.5.13-0	更新
87	HPE Intel i40evf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40evf-3.5.13-0.rhel7u5.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	3.5.13-0	3.5.13-0	更新
88	HPE Intel i40evf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40evf-3.5.13-0.rhel7u5.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	3.5.13-0	3.5.13-0	更新
89	HPE Intel i40evf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-i40evf-3.5.13-0.rhel7u5.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	3.5.13-0	3.5.13-0	更新
90	HPE Intel igb Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-igb-5.3.5.19-0.rhel6u10.x86_64.rpm	HP Ethernet 1Gb 2-port 361T Adapter	5.3.5.19-0	5.3.5.19-0	新規追加
91	HPE Intel igb Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-igb-5.3.5.19-0.rhel6u10.x86_64.rpm	HP Ethernet 1Gb 4-port 366FLR Adapter	5.3.5.19-0	5.3.5.19-0	新規追加
92	HPE Intel igb Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-igb-5.3.5.19-0.rhel6u10.x86_64.rpm	HP Ethernet 1Gb 4-port 366T Adapter	5.3.5.19-0	5.3.5.19-0	新規追加
93	HPE Intel igb Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-igb-5.3.5.19-0.rhel6u9.x86_64.rpm	HP Ethernet 1Gb 2-port 361T Adapter	5.3.5.19-0	5.3.5.19-0	更新
94	HPE Intel igb Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-igb-5.3.5.19-0.rhel6u9.x86_64.rpm	HP Ethernet 1Gb 4-port 366FLR Adapter	5.3.5.19-0	5.3.5.19-0	更新
95	HPE Intel igb Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-igb-5.3.5.19-0.rhel6u9.x86_64.rpm	HP Ethernet 1Gb 4-port 366T Adapter	5.3.5.19-0	5.3.5.19-0	更新
96	HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-igb-5.3.5.19-0.rhel7u4.x86_64.rpm	HP Ethernet 1Gb 2-port 361T Adapter	5.3.5.19-0	5.3.5.19-0	更新
97	HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-igb-5.3.5.19-0.rhel7u4.x86_64.rpm	HP Ethernet 1Gb 4-port 366FLR Adapter	5.3.5.19-0	5.3.5.19-0	更新
98	HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-igb-5.3.5.19-0.rhel7u4.x86_64.rpm	HP Ethernet 1Gb 4-port 366T Adapter	5.3.5.19-0	5.3.5.19-0	更新

99	HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-igb-5.3.5.19-0.rhel7u5.x86_64.rpm	HP Ethernet 1Gb 2-port 361T Adapter	5.3.5.19-0	5.3.5.19-0	更新
100	HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-igb-5.3.5.19-0.rhel7u5.x86_64.rpm	HP Ethernet 1Gb 4-port 366FLR Adapter	5.3.5.19-0	5.3.5.19-0	更新
101	HPE Intel igb Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-igb-5.3.5.19-0.rhel7u5.x86_64.rpm	HP Ethernet 1Gb 4-port 366T Adapter	5.3.5.19-0	5.3.5.19-0	更新
102	HPE Intel igbn Driver for VMware vSphere 6.0	cp035295.zip	HP Ethernet 1Gb 2-port 361T Adapter	2018.09.00	1.4.1-1OEM.600.0.0.2768847	
103	HPE Intel igbn Driver for VMware vSphere 6.0	cp035295.zip	HP Ethernet 1Gb 4-port 366FLR Adapter	2018.09.00	1.4.1-1OEM.600.0.0.2768847	
104	HPE Intel igbn Driver for VMware vSphere 6.0	cp035295.zip	HP Ethernet 1Gb 4-port 366T Adapter	2018.09.00	1.4.1-1OEM.600.0.0.2768847	
105	HPE Intel igbn Driver for VMware vSphere 6.5	cp035305.zip	HP Ethernet 1Gb 2-port 361T Adapter	2018.09.00	1.4.1-1OEM.600.0.0.2768847	
106	HPE Intel igbn Driver for VMware vSphere 6.5	cp035305.zip	HP Ethernet 1Gb 4-port 366FLR Adapter	2018.09.00	1.4.1-1OEM.600.0.0.2768847	
107	HPE Intel igbn Driver for VMware vSphere 6.5	cp035305.zip	HP Ethernet 1Gb 4-port 366T Adapter	2018.09.00	1.4.1-1OEM.600.0.0.2768847	
108	HPE Intel igbn Driver for VMware vSphere 6.7	cp035781.zip	HP Ethernet 1Gb 2-port 361T Adapter	2018.11.13	1.4.1-1OEM.600.0.0.2768847	新規追加
109	HPE Intel igbn Driver for VMware vSphere 6.7	cp035781.zip	HP Ethernet 1Gb 4-port 366FLR Adapter	2018.11.13	1.4.1-1OEM.600.0.0.2768847	新規追加
110	HPE Intel igbn Driver for VMware vSphere 6.7	cp035781.zip	HP Ethernet 1Gb 4-port 366T Adapter	2018.11.13	1.4.1-1OEM.600.0.0.2768847	新規追加
111	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-ixgbe-5.3.7-0.rhel6u10.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.3.7-0	5.3.7-0	新規追加
112	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-ixgbe-5.3.7-0.rhel6u10.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	5.3.7-0	5.3.7-0	新規追加
113	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-ixgbe-5.3.7-0.rhel6u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.3.7-0	5.3.7-0	更新
114	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-ixgbe-5.3.7-0.rhel6u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	5.3.7-0	5.3.7-0	更新
115	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbe-5.3.7-0.rhel7u4.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.3.7-0	5.3.7-0	更新
116	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbe-5.3.7-0.rhel7u4.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	5.3.7-0	5.3.7-0	更新
117	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbe-5.3.7-0.rhel7u5.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.3.7-0	5.3.7-0	更新
118	HPE Intel ixgbe Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbe-5.3.7-0.rhel7u5.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	5.3.7-0	5.3.7-0	更新
119	HPE Intel ixgben Driver for VMware vSphere 6.0	cp035297.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	2018.09.00	1.6.5-1OEM.600.0.0.2768847	
120	HPE Intel ixgben Driver for VMware vSphere 6.0	cp035297.zip	HPE Ethernet 10Gb 2-port 562T Adapter	2018.09.00	1.6.5-1OEM.600.0.0.2768847	



121	HPE Intel ixgben Driver for VMware vSphere 6.5	cp035306.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	2018.09.00	1.6.5-1OEM.600.0.0.2768847	
122	HPE Intel ixgben Driver for VMware vSphere 6.5	cp035306.zip	HPE Ethernet 10Gb 2-port 562T Adapter	2018.09.00	1.6.5-1OEM.600.0.0.2768847	
123	HPE Intel ixgben Driver for VMware vSphere 6.7	cp035298.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	2018.11.13	1.7.1-1OEM.670.0.0.7535516	新規追加
124	HPE Intel ixgben Driver for VMware vSphere 6.7	cp035298.zip	HPE Ethernet 10Gb 2-port 562T Adapter	2018.11.13	1.7.1-1OEM.670.0.0.7535516	新規追加
125	HPE Intel ixgbevf Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-ixgbevf-4.3.5-0.rhel6u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.3.5-0	4.3.5-0	更新
126	HPE Intel ixgbevf Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-hp-ixgbevf-4.3.5-0.rhel6u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	4.3.5-0	4.3.5-0	更新
127	HPE Intel ixgbevf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbevf-4.3.5-0.rhel7u4.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.3.5-0	4.3.5-0	更新
128	HPE Intel ixgbevf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbevf-4.3.5-0.rhel7u4.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	4.3.5-0	4.3.5-0	更新
129	HPE Intel ixgbevf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbevf-4.3.5-0.rhel7u5.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.3.5-0	4.3.5-0	更新
130	HPE Intel ixgbevf Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-hp-ixgbevf-4.3.5-0.rhel7u5.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	4.3.5-0	4.3.5-0	更新
131	HPE Intel ixs Driver for Windows Server 2012 R2	cp033709.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	3.14.75.0	3.14.75.0	
132	HPE Intel ixs Driver for Windows Server 2012 R2	cp033709.exe	HPE Ethernet 10Gb 2-port 562T Adapter	3.14.75.0	3.14.75.0	
133	HPE Intel ixs Driver for Windows Server 2016	cp037392.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	4.1.74.0 (B)	4.1.74.0 (B)	更新
134	HPE Intel ixs Driver for Windows Server 2016	cp037392.exe	HPE Ethernet 10Gb 2-port 562T Adapter	4.1.74.0 (B)	4.1.74.0 (B)	更新
135	HPE Mellanox CX4LX and CX5 Driver for Windows Server 2012 R2	cp034468.exe	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.90.19216.0	1.90.19216.0	
136	HPE Mellanox CX4LX and CX5 Driver for Windows Server 2012 R2	cp034468.exe	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.90.19216.0	1.90.19216.0	
137	HPE Mellanox CX4LX and CX5 Driver for Windows Server 2012 R2	cp034468.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.90.19216.0	1.90.19216.0	
138	HPE Mellanox CX4LX and CX5 Driver for Windows Server 2016	cp037504.exe	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.90.19216.0 (B)	1.90.19216.0 (B)	更新
139	HPE Mellanox CX4LX and CX5 Driver for Windows Server 2016	cp037504.exe	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.90.19216.0 (B)	1.90.19216.0 (B)	更新

140	HPE Mellanox CX4LX and CX5 Driver for Windows Server 2016	cp037504.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.90.19216.0 (B)	1.90.19216.0 (B)	更新
141	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Red Hat Enterprise Linux 6 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-4.3-OFED.4.3.1.0.1.1.g8509e41.rhel6u9.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	4.3	4.3	
142	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Red Hat Enterprise Linux 6 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-4.3-OFED.4.3.1.0.1.1.g8509e41.rhel6u9.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	4.3	4.3	
143	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Red Hat Enterprise Linux 6 Update 9 (x86_64)	kmod-mlnx-ofa_kernel-4.3-OFED.4.3.1.0.1.1.g8509e41.rhel6u9.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	4.3	4.3	
144	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Red Hat Enterprise Linux 6 Update 9 (x86_64)	mlnx-ofa_kernel-4.3-OFED.4.3.1.0.1.1.g8509e41.3.rhel6u9.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	4.3	4.3	新規追加
145	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Red Hat Enterprise Linux 6 Update 9 (x86_64)	mlnx-ofa_kernel-4.3-OFED.4.3.1.0.1.1.g8509e41.3.rhel6u9.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	4.3	4.3	新規追加
146	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Red Hat Enterprise Linux 6 Update 9 (x86_64)	mlnx-ofa_kernel-4.3-OFED.4.3.1.0.1.1.g8509e41.3.rhel6u9.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	4.3	4.3	新規追加
147	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Red Hat Enterprise Linux 7 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-4.3-OFED.4.3.1.0.1.1.g8509e41.rhel7u4.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	4.3	4.3	
148	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Red Hat Enterprise Linux 7 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-4.3-OFED.4.3.1.0.1.1.g8509e41.rhel7u4.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	4.3	4.3	
149	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Red Hat Enterprise Linux 7 Update 4 (x86_64)	kmod-mlnx-ofa_kernel-4.3-OFED.4.3.1.0.1.1.g8509e41.rhel7u4.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	4.3	4.3	
150	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Red Hat Enterprise Linux 7 Update 4 (x86_64)	mlnx-ofa_kernel-4.3-OFED.4.3.1.0.1.1.g8509e41.3.rhel7u4.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	4.3	4.3	新規追加
151	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Red Hat Enterprise Linux 7 Update 4 (x86_64)	mlnx-ofa_kernel-4.3-OFED.4.3.1.0.1.1.g8509e41.3.rhel7u4.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	4.3	4.3	新規追加
152	HPE Mellanox RoCE (RDMA over Converged Ethernet) Driver for Red Hat Enterprise Linux 7 Update 4 (x86_64)	mlnx-ofa_kernel-4.3-OFED.4.3.1.0.1.1.g8509e41.3.rhel7u4.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	4.3	4.3	新規追加
153	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-qlgc-fastlinq-8.34.5.5-2.rhel6u10.x86_64.rpm	HPE Ethernet 10Gb 2-port 521T Adapter	8.34.5.5-2 (B)	8.34.5.5-2 (B)	新規追加
154	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-qlgc-fastlinq-8.34.5.5-2.rhel6u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 521T Adapter	8.34.5.5-2 (B)	8.34.5.5-2 (B)	新規追加
155	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-qlgc-fastlinq-8.34.5.5-2.rhel7u4.x86_64.rpm	HPE Ethernet 10Gb 2-port 521T Adapter	8.34.5.5-2	8.34.5.5-2	新規追加

156	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-qlgc-fastlinq-8.34.5.5-2.rhel7u5.x86_64.rpm	HPE Ethernet 10Gb 2-port 521T Adapter	8.34.5.5-2	8.34.5.5-2	新規追加
157	HPE QLogic FastLinQ 10/25/50 GbE Drivers for Windows Server x64 Editions	cp037381.exe	HPE Ethernet 10Gb 2-port 521T Adapter	8.37.20.0	8.37.20.0	新規追加
158	HPE QLogic FastLinQ RoCE Library for Red Hat Enterprise Linux 6 Update 10	qlgc-libqedr-8.34.0.0-2.rhel6u10.x86_64.rpm	HPE Ethernet 10Gb 2-port 521T Adapter	8.34.0.0-2	8.34.0.0-2	新規追加
159	HPE QLogic FastLinQ RoCE Library for Red Hat Enterprise Linux 6 Update 9	qlgc-libqedr-8.34.0.0-2.rhel6u9.x86_64.rpm	HPE Ethernet 10Gb 2-port 521T Adapter	8.34.0.0-2	8.34.0.0-2	新規追加
160	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.0	cp035304.zip	HP Ethernet 10Gb 2-port 530SFP+ Adapter	2018.09.00	2.713.60.v60.2-10EM.600.0.0.2494585	
161	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.0	cp035304.zip	HP Ethernet 10Gb 2-port 530T Adapter	2018.09.00	2.713.60.v60.2-10EM.600.0.0.2494585	
162	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.0	cp035304.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2018.09.00	2.713.60.v60.2-10EM.600.0.0.2494585	
163	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.5	cp035302.zip	HP Ethernet 10Gb 2-port 530SFP+ Adapter	2018.09.00	1.0.60.3-10EM.650.0.0.4598673	
164	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.5	cp035302.zip	HP Ethernet 10Gb 2-port 530T Adapter	2018.09.00	1.0.60.3-10EM.650.0.0.4598673	
165	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.5	cp035302.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2018.09.00	1.0.60.3-10EM.650.0.0.4598673	
166	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.7	cp035303.zip	HP Ethernet 10Gb 2-port 530SFP+ Adapter	2018.11.13	1.0.69.0-10EM.670.0.0.7535516	新規追加
167	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.7	cp035303.zip	HP Ethernet 10Gb 2-port 530T Adapter	2018.11.13	1.0.69.0-10EM.670.0.0.7535516	新規追加
168	HPE QLogic NX2 10/20 GbE Multifunction Driver for VMware vSphere 6.7	cp035303.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2018.11.13	1.0.69.0-10EM.670.0.0.7535516	新規追加
169	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-netxtreme2-7.14.48.01-1.rhel6u10.x86_64.rpm	HP Ethernet 10Gb 2-port 530SFP+ Adapter	7.14.48.01-1	7.14.48.01-1	新規追加
170	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-netxtreme2-7.14.48.01-1.rhel6u10.x86_64.rpm	HP Ethernet 10Gb 2-port 530T Adapter	7.14.48.01-1	7.14.48.01-1	新規追加
171	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-netxtreme2-7.14.48.01-1.rhel6u10.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.14.48.01-1	7.14.48.01-1	新規追加
172	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-netxtreme2-7.14.48-1.rhel6u9.x86_64.rpm	HP Ethernet 10Gb 2-port 530SFP+ Adapter	7.14.48.01-1	7.14.48.01-1	
173	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-netxtreme2-7.14.48-1.rhel6u9.x86_64.rpm	HP Ethernet 10Gb 2-port 530T Adapter	7.14.48.01-1	7.14.48.01-1	
174	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 6 x86_64	kmod-netxtreme2-7.14.48-1.rhel6u9.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.14.48.01-1	7.14.48.01-1	
175	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-netxtreme2-7.14.48-1.rhel7u4.x86_64.rpm	HP Ethernet 10Gb 2-port 530SFP+ Adapter	7.14.48-1	7.14.48-1	
176	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-netxtreme2-7.14.48-1.rhel7u4.x86_64.rpm	HP Ethernet 10Gb 2-port 530T Adapter	7.14.48-1	7.14.48-1	
177	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-netxtreme2-7.14.48-1.rhel7u4.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.14.48-1	7.14.48-1	

178	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-netxtreme2-7.14.48-1.rhel7u5.x86_64.rpm	HP Ethernet 10Gb 2-port 530SFP+ Adapter	7.14.48-1	7.14.48-1	
179	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-netxtreme2-7.14.48-1.rhel7u5.x86_64.rpm	HP Ethernet 10Gb 2-port 530T Adapter	7.14.48-1	7.14.48-1	
180	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Red Hat Enterprise Linux 7 x86_64	kmod-netxtreme2-7.14.48-1.rhel7u5.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.14.48-1	7.14.48-1	
181	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions	cp037380.exe	HP Ethernet 10Gb 2-port 530SFP+ Adapter	7.13.155.0	7.13.155.0	更新
182	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions	cp037380.exe	HP Ethernet 10Gb 2-port 530T Adapter	7.13.155.0	7.13.155.0	更新
183	HPE QLogic NX2 10/20 GbE Multifunction Drivers for Windows Server x64 Editions	cp037380.exe	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	7.13.155.0	7.13.155.0	更新

## 6.2.5 Driver – Storage

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
184	HPE Smart Array S100i SR Gen10 SW RAID Driver for Windows Server 2012 R2, Windows Server 2016, and Windows Server 2019	cp037222.exe	-	100.8.0.0 (A)	100.8.0.0 (A)	更新

## 6.2.6 Driver – Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
185	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 6 (64-bit)	kmod-smartpqi-1.1.4-133.rhel6u10.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	1.1.4-133	1.1.4-133	新規追加
186	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 6 (64-bit)	kmod-smartpqi-1.1.4-133.rhel6u10.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	1.1.4-133	1.1.4-133	新規追加
187	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 6 (64-bit)	kmod-smartpqi-1.1.4-133.rhel6u10.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	1.1.4-133	1.1.4-133	新規追加
188	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 6 (64-bit)	kmod-smartpqi-1.1.4-133.rhel6u10.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	1.1.4-133	1.1.4-133	新規追加
189	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 6 (64-bit)	kmod-smartpqi-1.1.4-133.rhel6u10.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	1.1.4-133	1.1.4-133	新規追加
190	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 6 (64-bit)	kmod-smartpqi-1.1.4-133.rhel6u10.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	1.1.4-133	1.1.4-133	新規追加
191	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 6 (64-bit)	kmod-smartpqi-1.1.4-133.rhel6u9.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	1.1.4-133	1.1.4-133	更新
192	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 6 (64-bit)	kmod-smartpqi-1.1.4-133.rhel6u9.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	1.1.4-133	1.1.4-133	更新

193	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 6 (64-bit)	kmod-smartpqi-1.1.4-133.rhel6u9.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	1.1.4-133	1.1.4-133	更新
194	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 6 (64-bit)	kmod-smartpqi-1.1.4-133.rhel6u9.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	1.1.4-133	1.1.4-133	更新
195	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 6 (64-bit)	kmod-smartpqi-1.1.4-133.rhel6u9.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	1.1.4-133	1.1.4-133	更新
196	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 6 (64-bit)	kmod-smartpqi-1.1.4-133.rhel6u9.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	1.1.4-133	1.1.4-133	更新
197	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.1.4-133.rhel7u4.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	1.1.4-133 (A)	1.1.4-133 (A)	
198	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.1.4-133.rhel7u4.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	1.1.4-133 (A)	1.1.4-133 (A)	
199	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.1.4-133.rhel7u4.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	1.1.4-133 (A)	1.1.4-133 (A)	
200	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.1.4-133.rhel7u4.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	1.1.4-133 (A)	1.1.4-133 (A)	
201	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.1.4-133.rhel7u4.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	1.1.4-133 (A)	1.1.4-133 (A)	
202	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.1.4-133.rhel7u4.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	1.1.4-133 (A)	1.1.4-133 (A)	
203	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.1.4-133.rhel7u5.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	1.1.4-133 (A)	1.1.4-133 (A)	
204	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.1.4-133.rhel7u5.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	1.1.4-133 (A)	1.1.4-133 (A)	
205	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.1.4-133.rhel7u5.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	1.1.4-133 (A)	1.1.4-133 (A)	
206	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.1.4-133.rhel7u5.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	1.1.4-133 (A)	1.1.4-133 (A)	
207	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.1.4-133.rhel7u5.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	1.1.4-133 (A)	1.1.4-133 (A)	
208	HPE ProLiant Gen10 Smart Array Controller (64-bit) Driver for Red Hat Enterprise Linux 7 (64-bit)	kmod-smartpqi-1.1.4-133.rhel7u5.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	1.1.4-133 (A)	1.1.4-133 (A)	

209	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.0 (Driver Component).	cp036830.zip	HPE Smart Array P408i-a SR Gen10 Controller	2018.07.18	1.0.2.1038-10 EM.600.0.0.2 768847	
210	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.0 (Driver Component).	cp036830.zip	HPE Smart Array P408i-p SR Gen10 Controller	2018.07.18	1.0.2.1038-10 EM.600.0.0.2 768847	
211	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.0 (Driver Component).	cp036830.zip	HPE Smart Array P816i-a SR Gen10 Controller	2018.07.18	1.0.2.1038-10 EM.600.0.0.2 768847	
212	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.0 (Driver Component).	cp036830.zip	HPE Smart Array E208e-p SR Gen10 Controller	2018.07.18	1.0.2.1038-10 EM.600.0.0.2 768847	
213	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.0 (Driver Component).	cp036830.zip	HPE Smart Array E208i-a SR Gen10 Controller	2018.07.18	1.0.2.1038-10 EM.600.0.0.2 768847	
214	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.0 (Driver Component).	cp036830.zip	HPE Smart Array E208i-p SR Gen10 Controller	2018.07.18	1.0.2.1038-10 EM.600.0.0.2 768847	
215	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.5 (Driver Component).	cp036831.zip	HPE Smart Array P408i-a SR Gen10 Controller	2018.07.18	1.0.2.1038-10 EM.650.0.0.4 598673	
216	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.5 (Driver Component).	cp036831.zip	HPE Smart Array P408i-p SR Gen10 Controller	2018.07.18	1.0.2.1038-10 EM.650.0.0.4 598673	
217	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.5 (Driver Component).	cp036831.zip	HPE Smart Array P816i-a SR Gen10 Controller	2018.07.18	1.0.2.1038-10 EM.650.0.0.4 598673	
218	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.5 (Driver Component).	cp036831.zip	HPE Smart Array E208e-p SR Gen10 Controller	2018.07.18	1.0.2.1038-10 EM.650.0.0.4 598673	
219	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.5 (Driver Component).	cp036831.zip	HPE Smart Array E208i-a SR Gen10 Controller	2018.07.18	1.0.2.1038-10 EM.650.0.0.4 598673	
220	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.5 (Driver Component).	cp036831.zip	HPE Smart Array E208i-p SR Gen10 Controller	2018.07.18	1.0.2.1038-10 EM.650.0.0.4 598673	
221	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.7 (Driver Component).	cp036832.zip	HPE Smart Array P408i-a SR Gen10 Controller	2018.07.18	1.0.2.1038-10 EM.670.0.0.8 169922	新規追加
222	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.7 (Driver Component).	cp036832.zip	HPE Smart Array P408i-p SR Gen10 Controller	2018.07.18	1.0.2.1038-10 EM.670.0.0.8 169922	新規追加
223	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.7 (Driver Component).	cp036832.zip	HPE Smart Array P816i-a SR Gen10 Controller	2018.07.18	1.0.2.1038-10 EM.670.0.0.8 169922	新規追加
224	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.7 (Driver Component).	cp036832.zip	HPE Smart Array E208e-p SR Gen10 Controller	2018.07.18	1.0.2.1038-10 EM.670.0.0.8 169922	新規追加

225	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.7 (Driver Component).	cp036832.zip	HPE Smart Array E208i-a SR Gen10 Controller	2018.07.18	1.0.2.1038-10 EM.670.0.0.8 169922	新規追加
226	HPE ProLiant Gen10 Smart Array Controller Driver for VMware vSphere 6.7 (Driver Component).	cp036832.zip	HPE Smart Array E208i-p SR Gen10 Controller	2018.07.18	1.0.2.1038-10 EM.670.0.0.8 169922	新規追加
227	HPE Smart Array Gen10 Controller Driver for Windows Server 2012 R2, Windows Server 2016, and Windows Server 2019	cp037451.exe	HPE Smart Array P408i-a SR Gen10 Controller	100.62.0.64 (A)	100.62.0.64 (A)	更新
228	HPE Smart Array Gen10 Controller Driver for Windows Server 2012 R2, Windows Server 2016, and Windows Server 2019	cp037451.exe	HPE Smart Array P408i-p SR Gen10 Controller	100.62.0.64 (A)	100.62.0.64 (A)	更新
229	HPE Smart Array Gen10 Controller Driver for Windows Server 2012 R2, Windows Server 2016, and Windows Server 2019	cp037451.exe	HPE Smart Array P816i-a SR Gen10 Controller	100.62.0.64 (A)	100.62.0.64 (A)	更新
230	HPE Smart Array Gen10 Controller Driver for Windows Server 2012 R2, Windows Server 2016, and Windows Server 2019	cp037451.exe	HPE Smart Array E208e-p SR Gen10 Controller	100.62.0.64 (A)	100.62.0.64 (A)	更新
231	HPE Smart Array Gen10 Controller Driver for Windows Server 2012 R2, Windows Server 2016, and Windows Server 2019	cp037451.exe	HPE Smart Array E208i-a SR Gen10 Controller	100.62.0.64 (A)	100.62.0.64 (A)	更新
232	HPE Smart Array Gen10 Controller Driver for Windows Server 2012 R2, Windows Server 2016, and Windows Server 2019	cp037451.exe	HPE Smart Array E208i-p SR Gen10 Controller	100.62.0.64 (A)	100.62.0.64 (A)	更新

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

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
233	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Windows 2012, Windows 2012R2 and Windows 2016	cp037421.exe	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	11.4.334.7 (b)	11.4.334.7 (b)	更新
234	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Windows 2012, Windows 2012R2 and Windows 2016	cp037421.exe	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	11.4.334.7 (b)	11.4.334.7 (b)	更新
235	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Windows 2012, Windows 2012R2 and Windows 2016	cp037421.exe	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	11.4.334.7 (b)	11.4.334.7 (b)	更新
236	HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Windows 2012, Windows 2012R2 and Windows 2016	cp037421.exe	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	11.4.334.7 (b)	11.4.334.7 (b)	更新

237	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Windows Server 2012 and 2012 R2	cp037431.exe	HPE StoreFabric SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	9.2.8.20 (b)	9.2.8.20 (b)	更新
238	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Windows Server 2012 and 2012 R2	cp037431.exe	HPE StoreFabric SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	9.2.8.20 (b)	9.2.8.20 (b)	更新
239	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Windows Server 2012 and 2012 R2	cp037431.exe	HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	9.2.8.20 (b)	9.2.8.20 (b)	更新
240	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Windows Server 2012 and 2012 R2	cp037431.exe	HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	9.2.8.20 (b)	9.2.8.20 (b)	更新
241	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Windows Server 2016	cp037432.exe	HPE StoreFabric SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	9.2.8.20 (b)	9.2.8.20 (b)	更新
242	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Windows Server 2016	cp037432.exe	HPE StoreFabric SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	9.2.8.20 (b)	9.2.8.20 (b)	更新
243	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Windows Server 2016	cp037432.exe	HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	9.2.8.20 (b)	9.2.8.20 (b)	更新
244	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Windows Server 2016	cp037432.exe	HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	9.2.8.20 (b)	9.2.8.20 (b)	更新
245	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Windows Server 2019	cp037171.exe	HPE StoreFabric SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	9.2.8.21	9.2.8.21	新規追加
246	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Windows Server 2019	cp037171.exe	HPE StoreFabric SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	9.2.8.21	9.2.8.21	新規追加
247	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Windows Server 2019	cp037171.exe	HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	9.2.8.21	9.2.8.21	新規追加
248	HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Windows Server 2019	cp037171.exe	HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	9.2.8.21	9.2.8.21	新規追加
249	Red Hat Enterprise Linux 6 Server (x86-64) FC Driver Kit for HPE Qlogic and mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-8.08.00.08.06.0_k1-1.rhel6u9.x86_64.rpm	HPE StoreFabric SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	8.08.00.08.06.0-k1 (c)	8.08.00.08.06.0-k1 (c)	更新



250	Red Hat Enterprise Linux 6 Server (x86-64) FC Driver Kit for HPE Qlogic and mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-8.08.00.08.06.0_k1-1.rhel6u9.x86_64.rpm	HPE StoreFabric SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	8.08.00.08.06.0-k1 (c)	8.08.00.08.06.0-k1 (c)	更新
251	Red Hat Enterprise Linux 6 Server (x86-64) FC Driver Kit for HPE Qlogic and mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-8.08.00.08.06.0_k1-1.rhel6u9.x86_64.rpm	HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	8.08.00.08.06.0-k1 (c)	8.08.00.08.06.0-k1 (c)	更新
252	Red Hat Enterprise Linux 6 Server (x86-64) FC Driver Kit for HPE Qlogic and mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-8.08.00.08.06.0_k1-1.rhel6u9.x86_64.rpm	HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	8.08.00.08.06.0-k1 (c)	8.08.00.08.06.0-k1 (c)	更新
253	Red Hat Enterprise Linux 6 Server (x86-64) FC Driver Kit for HPE Qlogic and mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-8.08.00.08.06.0_k1-2.rhel6u10.x86_64.rpm	HPE StoreFabric SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	8.08.00.08.06.0-k1 (c)	8.08.00.08.06.0-k1 (c)	新規追加
254	Red Hat Enterprise Linux 6 Server (x86-64) FC Driver Kit for HPE Qlogic and mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-8.08.00.08.06.0_k1-2.rhel6u10.x86_64.rpm	HPE StoreFabric SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	8.08.00.08.06.0-k1 (c)	8.08.00.08.06.0-k1 (c)	新規追加
255	Red Hat Enterprise Linux 6 Server (x86-64) FC Driver Kit for HPE Qlogic and mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-8.08.00.08.06.0_k1-2.rhel6u10.x86_64.rpm	HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	8.08.00.08.06.0-k1 (c)	8.08.00.08.06.0-k1 (c)	新規追加
256	Red Hat Enterprise Linux 6 Server (x86-64) FC Driver Kit for HPE Qlogic and mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-8.08.00.08.06.0_k1-2.rhel6u10.x86_64.rpm	HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	8.08.00.08.06.0-k1 (c)	8.08.00.08.06.0-k1 (c)	新規追加
257	Red Hat Enterprise Linux 6 Server (x86-64) Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and mezzanine Host Bus Adapters	kmod-elx-lpfc-11.4.334.26-1.rhel6u10.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	11.4.334.26 (b)	11.4.334.26 (b)	新規追加
258	Red Hat Enterprise Linux 6 Server (x86-64) Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and mezzanine Host Bus Adapters	kmod-elx-lpfc-11.4.334.26-1.rhel6u10.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	11.4.334.26 (b)	11.4.334.26 (b)	新規追加
259	Red Hat Enterprise Linux 6 Server (x86-64) Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and mezzanine Host Bus Adapters	kmod-elx-lpfc-11.4.334.26-1.rhel6u10.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	11.4.334.26 (b)	11.4.334.26 (b)	新規追加
260	Red Hat Enterprise Linux 6 Server (x86-64) Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and mezzanine Host Bus Adapters	kmod-elx-lpfc-11.4.334.26-1.rhel6u10.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	11.4.334.26 (b)	11.4.334.26 (b)	新規追加
261	Red Hat Enterprise Linux 6 Server (x86-64) Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and mezzanine Host Bus Adapters	kmod-elx-lpfc-11.4.334.26-1.rhel6u9.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	11.4.334.26 (b)	11.4.334.26 (b)	更新
262	Red Hat Enterprise Linux 6 Server (x86-64) Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and mezzanine Host Bus Adapters	kmod-elx-lpfc-11.4.334.26-1.rhel6u9.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	11.4.334.26 (b)	11.4.334.26 (b)	更新

263	Red Hat Enterprise Linux 6 Server (x86-64) Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and mezzanine Host Bus Adapters	kmod-elx-lpfc-11.4.334.26-1.rhel6u9.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	11.4.334.26 (b)	11.4.334.26 (b)	更新
264	Red Hat Enterprise Linux 6 Server (x86-64) Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and mezzanine Host Bus Adapters	kmod-elx-lpfc-11.4.334.26-1.rhel6u9.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	11.4.334.26 (b)	11.4.334.26 (b)	更新
265	Red Hat Enterprise Linux 7 Server FC Driver Kit for HPE QLogic and mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-8.08.00.08.07.0_k1-1.rhel7u4.x86_64.rpm	HPE StoreFabric SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	8.08.00.08.07.5-k1	8.08.00.08.07.5-k1	
266	Red Hat Enterprise Linux 7 Server FC Driver Kit for HPE QLogic and mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-8.08.00.08.07.0_k1-1.rhel7u4.x86_64.rpm	HPE StoreFabric SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	8.08.00.08.07.5-k1	8.08.00.08.07.5-k1	
267	Red Hat Enterprise Linux 7 Server FC Driver Kit for HPE QLogic and mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-8.08.00.08.07.0_k1-1.rhel7u4.x86_64.rpm	HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	8.08.00.08.07.5-k1	8.08.00.08.07.5-k1	
268	Red Hat Enterprise Linux 7 Server FC Driver Kit for HPE QLogic and mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-8.08.00.08.07.0_k1-1.rhel7u4.x86_64.rpm	HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	8.08.00.08.07.5-k1	8.08.00.08.07.5-k1	
269	Red Hat Enterprise Linux 7 Server FC Driver Kit for HPE QLogic and mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-8.08.00.08.07.5_k1-1.rhel7u5.x86_64.rpm	HPE StoreFabric SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	8.08.00.08.07.5-k1	8.08.00.08.07.5-k1	
270	Red Hat Enterprise Linux 7 Server FC Driver Kit for HPE QLogic and mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-8.08.00.08.07.5_k1-1.rhel7u5.x86_64.rpm	HPE StoreFabric SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	8.08.00.08.07.5-k1	8.08.00.08.07.5-k1	
271	Red Hat Enterprise Linux 7 Server FC Driver Kit for HPE QLogic and mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-8.08.00.08.07.5_k1-1.rhel7u5.x86_64.rpm	HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	8.08.00.08.07.5-k1	8.08.00.08.07.5-k1	
272	Red Hat Enterprise Linux 7 Server FC Driver Kit for HPE QLogic and mezzanine Host Bus Adapters	kmod-qlgc-qla2xxx-8.08.00.08.07.5_k1-1.rhel7u5.x86_64.rpm	HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	8.08.00.08.07.5-k1	8.08.00.08.07.5-k1	
273	Red Hat Enterprise Linux 7 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and mezzanine Host Bus Adapters	kmod-elx-lpfc-11.4.334.26-1.rhel7u4.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	11.4.334.26	11.4.334.26	
274	Red Hat Enterprise Linux 7 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and mezzanine Host Bus Adapters	kmod-elx-lpfc-11.4.334.26-1.rhel7u4.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	11.4.334.26	11.4.334.26	
275	Red Hat Enterprise Linux 7 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and mezzanine Host Bus Adapters	kmod-elx-lpfc-11.4.334.26-1.rhel7u4.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	11.4.334.26	11.4.334.26	

276	Red Hat Enterprise Linux 7 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and mezzanine Host Bus Adapters	kmod-elx-lpfc-11.4.334.26-1.rhel7u4.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	11.4.334.26	11.4.334.26	
277	Red Hat Enterprise Linux 7 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and mezzanine Host Bus Adapters	kmod-elx-lpfc-11.4.334.26-1.rhel7u5.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	11.4.334.26	11.4.334.26	
278	Red Hat Enterprise Linux 7 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and mezzanine Host Bus Adapters	kmod-elx-lpfc-11.4.334.26-1.rhel7u5.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	11.4.334.26	11.4.334.26	
279	Red Hat Enterprise Linux 7 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and mezzanine Host Bus Adapters	kmod-elx-lpfc-11.4.334.26-1.rhel7u5.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	11.4.334.26	11.4.334.26	
280	Red Hat Enterprise Linux 7 Server Fibre Channel Driver Kit for HPE Emulex Host Bus Adapters and mezzanine Host Bus Adapters	kmod-elx-lpfc-11.4.334.26-1.rhel7u5.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	11.4.334.26	11.4.334.26	

## 6.2.8 Driver - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
281	iLO 5 Automatic Server Recovery Driver for Windows Server 2012 R2	cp035137.exe	-	4.4.0.0	4.4.0.0	更新
282	iLO 5 Automatic Server Recovery Driver for Windows Server 2016 and Server 2019	cp035140.exe	-	4.4.0.0 (B)	4.4.0.0 (B)	更新
283	iLO 5 Channel Interface Driver for Windows Server 2012 R2	cp034070.exe	-	4.3.0.0	4.3.0.0	
284	iLO 5 Channel Interface Driver for Windows Server 2016 and Server 2019	cp035112.exe	-	4.3.0.0 (B)	4.3.0.0 (B)	更新

## 6.2.9 Driver - Video

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
285	Matrox G200eH3 Video Controller Driver for Windows Server 2012 R2	cp033123.exe	-	9.15.1.184 (B)	9.15.1.184 (B)	
286	Matrox G200eH3 Video Controller Driver for Windows Server 2016 and Server 2019	cp035106.exe	-	9.15.1.218	9.15.1.218	更新

## 6.2.10 Firmware - Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
287	Language Pack - Japanese	cp035842.exe	Integrated Lights-Out 5 Language Pack	1.30	1.30	
288	Language Pack - Japanese	firmware-lpk-ilo-1.30-1.x86_64.rpm	Integrated Lights-Out 5 Language Pack	1.30	1.30	

289	Online ROM Flash Component for Linux - iLO 5	firmware-ilo5-1.37-1.1.x86_64.rpm	Integrated Lights-Out 5 Firmware	1.37	1.37	更新
290	Online ROM Flash Component for Windows x64 - iLO 5	cp037922.exe	Integrated Lights-Out 5 Firmware	1.37	1.37	更新
291	Online ROM Flash Firmware Package - iLO 5	ilo5_137.fwpkg	Integrated Lights-Out 5 Firmware	1.37	1.37	新規追加

### 6.2.11 Firmware – Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
292	HPE Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-broadcom-2.22.3-1.1.x86_64.rpm	HP Ethernet 1Gb 2-port 332T Adapter	2.22.3	20.12.41	更新
293	HPE Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-broadcom-2.22.3-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 331FLR Adapter	2.22.3	20.12.41	更新
294	HPE Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-broadcom-2.22.3-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 331T Adapter	2.22.3	20.12.41	更新
295	HPE Broadcom NX1 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-broadcom-2.22.3-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	2.22.3	20.12.41	更新
296	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP037443.zip	HP Ethernet 1Gb 2-port 332T Adapter	1.23.4	20.12.41	更新
297	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP037443.zip	HP Ethernet 1Gb 4-port 331FLR Adapter	1.23.4	20.12.41	更新
298	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP037443.zip	HP Ethernet 1Gb 4-port 331T Adapter	1.23.4	20.12.41	更新
299	HPE Broadcom NX1 Online Firmware Upgrade Utility for VMware	CP037443.zip	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	1.23.4	20.12.41	更新
300	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp037348.exe	HP Ethernet 1Gb 2-port 332T Adapter	5.1.3.6	20.12.41	更新
301	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp037348.exe	HP Ethernet 1Gb 4-port 331FLR Adapter	5.1.3.6	20.12.41	更新
302	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp037348.exe	HP Ethernet 1Gb 4-port 331T Adapter	5.1.3.6	20.12.41	更新
303	HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp037348.exe	HP Ethernet 1Gb 4-port 331i Adapter (22BE)	5.1.3.6	20.12.41	更新
304	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.16.0-1.1.x86_64.rpm	HPE Ethernet 1Gb 4-port 369i Adapter	1.16.0	1.1904.0	更新
305	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.16.0-1.1.x86_64.rpm	HP Ethernet 1Gb 2-port 361T Adapter	1.16.0	1.1904.0	更新
306	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.16.0-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 366FLR Adapter	1.16.0	1.1904.0	更新
307	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.16.0-1.1.x86_64.rpm	HP Ethernet 1Gb 4-port 366T Adapter	1.16.0	1.1904.0	更新

308	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.16.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	1.16.0	10.3.5	更新
309	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.16.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	1.16.0	10.3.5	更新
310	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.16.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	1.16.0	10.3.5	更新
311	HPE Intel Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-intel-1.16.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 562T Adapter	1.16.0	10.3.5	更新
312	HPE Intel Online Firmware Upgrade Utility for VMware	CP037445.zip	HPE Ethernet 1Gb 4-port 369i Adapter	3.9.0	1.1904.0	更新
313	HPE Intel Online Firmware Upgrade Utility for VMware	CP037445.zip	HP Ethernet 1Gb 2-port 361T Adapter	3.9.0	1.1904.0	更新
314	HPE Intel Online Firmware Upgrade Utility for VMware	CP037445.zip	HP Ethernet 1Gb 4-port 366FLR Adapter	3.9.0	1.1904.0	更新
315	HPE Intel Online Firmware Upgrade Utility for VMware	CP037445.zip	HP Ethernet 1Gb 4-port 366T Adapter	3.9.0	1.1904.0	更新
316	HPE Intel Online Firmware Upgrade Utility for VMware	CP037445.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	3.9.0	10.3.5	更新
317	HPE Intel Online Firmware Upgrade Utility for VMware	CP037445.zip	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	3.9.0	10.3.5	更新
318	HPE Intel Online Firmware Upgrade Utility for VMware	CP037445.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	3.9.0	10.3.5	更新
319	HPE Intel Online Firmware Upgrade Utility for VMware	CP037445.zip	HPE Ethernet 10Gb 2-port 562T Adapter	3.9.0	10.3.5	更新
320	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp037350.exe	HPE Ethernet 1Gb 4-port 369i Adapter	5.1.3.0 (B)	1.1904.0	更新
321	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp037350.exe	HP Ethernet 1Gb 2-port 361T Adapter	5.1.3.0 (B)	1.1904.0	更新
322	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp037350.exe	HP Ethernet 1Gb 4-port 366FLR Adapter	5.1.3.0 (B)	1.1904.0	更新
323	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp037350.exe	HP Ethernet 1Gb 4-port 366T Adapter	5.1.3.0 (B)	1.1904.0	更新
324	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp037350.exe	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	5.1.3.0 (B)	10.3.5	更新
325	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp037350.exe	HPE Ethernet 10Gb 2-port 562FLR-T Adapter	5.1.3.0 (B)	10.3.5	更新
326	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp037350.exe	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	5.1.3.0 (B)	10.3.5	更新
327	HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions	cp037350.exe	HPE Ethernet 10Gb 2-port 562T Adapter	5.1.3.0 (B)	10.3.5	更新
328	HPE QLogic FastLinQ Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-flq-1.5.0-1.1.x86_64.rpm	HPE Ethernet 10Gb 2-port 521T Adapter	1.5.0	8.35.43	新規追加

329	HPE QLogic FastLinQ Online Firmware Upgrade Utility for Windows Server x64 Editions	cp037347.exe	HPE Ethernet 10Gb 2-port 521T Adapter	5.1.3.6	8.35.43	新規追加
330	HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-nx2-2.23.0-1.1.x86_64.rpm	HP Ethernet 10Gb 2-port 530SFP+ Adapter	2.23.0	7.17.19	更新
331	HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-nx2-2.23.0-1.1.x86_64.rpm	HP Ethernet 10Gb 2-port 530T Adapter	2.23.0	7.17.19	更新
332	HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86_64	firmware-nic-qlogic-nx2-2.23.0-1.1.x86_64.rpm	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	2.23.0	7.17.19	更新
333	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP037446.zip	HP Ethernet 10Gb 2-port 530SFP+ Adapter	1.23.3	7.17.19	更新
334	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP037446.zip	HP Ethernet 10Gb 2-port 530T Adapter	1.23.3	7.17.19	更新
335	HPE QLogic NX2 Online Firmware Upgrade Utility for VMware	CP037446.zip	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	1.23.3	7.17.19	更新
336	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp037351.exe	HP Ethernet 10Gb 2-port 530SFP+ Adapter	5.1.3.6	7.17.19	更新
337	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp037351.exe	HP Ethernet 10Gb 2-port 530T Adapter	5.1.3.6	7.17.19	更新
338	HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions	cp037351.exe	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	5.1.3.6	7.17.19	更新
339	Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox Ethernet only adapters	firmware-nic-mellanox-ethernet-only-1.0.8-2.1.x86_64.rpm	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.8 (A)	14.22.1414	
340	Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox Ethernet only adapters	firmware-nic-mellanox-ethernet-only-1.0.8-2.1.x86_64.rpm	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.8 (A)	14.22.1414	
341	Online Firmware Upgrade Utility (Linux x86_64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on Linux x86_64 platform	firmware-hca-mellanox-vpi-connectx4-1.0.4-1.1.x86_64.rpm	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.4	16.22.4030	
342	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox Ethernet only adapters	cp037168.exe	HPE Ethernet 25Gb 2-port 640 FLR-SFP28 Adapter	1.0.0.8 (B)	14.22.1414	
343	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox Ethernet only adapters	cp037168.exe	HPE Ethernet 25Gb 2-port 640SFP28 Adapter	1.0.0.8 (B)	14.22.1414	
344	Online Firmware Upgrade Utility (Windows x64) for HPE Mellanox VPI (Ethernet and Infiniband mode) ConnectX4 and ConnectX5 devices on Windows x86_64 platform	cp037170.exe	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	1.0.0.4 (A)	16.22.4030	

## 6.2.12 Firmware - Power Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
345	Online ROM Flash for Linux - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors	firmware-powerpic-1.0.4-1.1.x86_64.rpm	Advanced Power Capping Microcontroller Firmware	1.0.4	1.0.4	
346	Online ROM Flash for Windows x64 - Advanced Power Capping Microcontroller Firmware for servers using Intel Xeon Scalable 3100/4100/5100/6100/8100 series Processors	cp033359.exe	Advanced Power Capping Microcontroller Firmware	1.0.4	1.0.4	
347	ROM Flash Firmware Package - Advanced Power Capping Microcontroller Firmware for HPE Gen10 Servers	PICGen10_1.0.4s.fwpkg	Gen10 Power Management Controller Firmware	1.0.4	1.0.4	新規追加

## 6.2.13 Firmware - SAS Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
348	Online ROM Flash Component for VMware ESXi - EG000600JWEBH and EG000300JWEBF Drives	CP036115.zip	EG000600JWEBH	HPD3 (C)	HPD3	
349	Online ROM Flash Component for VMware ESXi - EG000600JWEBH and EG000300JWEBF Drives	CP036115.zip	EG000300JWEBF	HPD3 (C)	HPD3	
350	Online ROM Flash Component for VMware ESXi - EG001800JWJNR and EG002400JWJNT Drives	CP036119.zip	EG002400JWJNT	HPD1 (A)	HPD1	
351	Online ROM Flash Component for VMware ESXi - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB, and EG1200JEMDA Drives	CP036122.zip	EG1200JEMDA	HPD6 (C)	HPD6	
352	Online ROM Flash Component for VMware ESXi - EG1800JEMDB Drives	CP036125.zip	EG1800JEMDB	HPD5 (A)	HPD5	
353	Online ROM Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN Drives	CP036128.zip	EH000300JWCPK	HPD3 (C)	HPD3	
354	Online ROM Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN Drives	CP036128.zip	EH000600JWCPL	HPD3 (C)	HPD3	
355	Online ROM Flash Component for VMware ESXi - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN Drives	CP036128.zip	EH000900JWCPN	HPD3 (C)	HPD3	

356	Online ROM Flash Component for VMware ESXi - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	CP036132.zip	EO000400JWDKP	HPD1 (C)	HPD1	
357	Online ROM Flash Component for VMware ESXi - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	CP036132.zip	EO000800JWDKQ	HPD1 (C)	HPD1	
358	Online ROM Flash Component for VMware ESXi - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	CP036132.zip	EO001600JWDKR	HPD1 (C)	HPD1	
359	Online ROM Flash Component for VMware ESXi - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	CP036132.zip	MO000400JWDKU	HPD1 (C)	HPD1	
360	Online ROM Flash Component for VMware ESXi - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	CP036132.zip	MO000800JWDKV	HPD1 (C)	HPD1	
361	Online ROM Flash Component for VMware ESXi - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	CP036132.zip	MO001600JWDLA	HPD1 (C)	HPD1	
362	Online ROM Flash Component for VMware ESXi - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	CP036132.zip	MO003200JWDLB	HPD1 (C)	HPD1	
363	Online ROM Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP, and MB4000JVYZQ Drives	CP036142.zip	MB1000JVYZL	HPD2 (C)	HPD2	
364	Online ROM Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP, and MB4000JVYZQ Drives	CP036142.zip	MB2000JVYZN	HPD2 (C)	HPD2	
365	Online ROM Flash Component for VMware ESXi - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP, and MB4000JVYZQ Drives	CP036142.zip	MB4000JVYZQ	HPD2 (C)	HPD2	



366	Online ROM Flash Component for VMware ESXi - MB6000JVYV Drives	CP036159.zip	MB6000JVYV	HPD2 (C)	HPD2	
367	Online ROM Flash Component for VMware ESXi - MB8000JFECQ Drives	CP036162.zip	MB8000JFECQ	HPD7 (A)	HPD7	
368	Online ROM Flash Component for VMware ESXi - MM1000JEFRB and MM2000JEFRC Drives	CP036167.zip	MM2000JEFRC	HPD8 (A)	HPD8	
369	Online ROM Flash Component for VMware ESXi - MM1000JFJTH Drives	CP036168.zip	MM1000JFJTH	HPD3 (A)	HPD3	
370	Online ROM Flash Component for Windows (x64) - EG000600JWEBH and EG000300JWEBF Drives	cp034292.exe	EG000600JWEBH	HPD3 (B)	HPD3	
371	Online ROM Flash Component for Windows (x64) - EG000600JWEBH and EG000300JWEBF Drives	cp034292.exe	EG000300JWEBF	HPD3 (B)	HPD3	
372	Online ROM Flash Component for Windows (x64) - EG001800JWJNR and EG002400JWJNT Drives	cp035599.exe	EG002400JWJNT	HPD1	HPD1	
373	Online ROM Flash Component for Windows (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB, and EG1200JEMDA Drives	cp034298.exe	EG1200JEMDA	HPD6 (B)	HPD6	
374	Online ROM Flash Component for Windows (x64) - EG1800JEMDB Drives	cp035863.exe	EG1800JEMDB	HPD5	HPD5	
375	Online ROM Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN Drives	cp034310.exe	EH000300JWCPK	HPD3 (B)	HPD3	
376	Online ROM Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN Drives	cp034310.exe	EH000600JWCPL	HPD3 (B)	HPD3	
377	Online ROM Flash Component for Windows (x64) - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN Drives	cp034310.exe	EH000900JWCPN	HPD3 (B)	HPD3	
378	Online ROM Flash Component for Windows (x64) - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	cp035545.exe	EO000400JWDKP	HPD1 (B)	HPD1	
379	Online ROM Flash Component for Windows (x64) - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	cp035545.exe	EO000800JWDKQ	HPD1 (B)	HPD1	

380	Online ROM Flash Component for Windows (x64) - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	cp035545.exe	EO001600JWDKR	HPD1 (B)	HPD1	
381	Online ROM Flash Component for Windows (x64) - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	cp035545.exe	MO000400JWDKU	HPD1 (B)	HPD1	
382	Online ROM Flash Component for Windows (x64) - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	cp035545.exe	MO000800JWDKV	HPD1 (B)	HPD1	
383	Online ROM Flash Component for Windows (x64) - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	cp035545.exe	MO001600JWDLA	HPD1 (B)	HPD1	
384	Online ROM Flash Component for Windows (x64) - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	cp035545.exe	MO003200JWDLB	HPD1 (B)	HPD1	
385	Online ROM Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP, and MB4000JVYZQ Drives	cp035654.exe	MB1000JVYZL	HPD2 (B)	HPD2	
386	Online ROM Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP, and MB4000JVYZQ Drives	cp035654.exe	MB2000JVYZN	HPD2 (B)	HPD2	
387	Online ROM Flash Component for Windows (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP, and MB4000JVYZQ Drives	cp035654.exe	MB4000JVYZQ	HPD2 (B)	HPD2	
388	Online ROM Flash Component for Windows (x64) - MB6000JVYV Drives	cp035655.exe	MB6000JVYV	HPD2 (B)	HPD2	
389	Online ROM Flash Component for Windows (x64) - MB8000JFECQ Drives	cp035652.exe	MB8000JFECQ	HPD7	HPD7	
390	Online ROM Flash Component for Windows (x64) - MM1000JEFRB and MM2000JEFRC Drives	cp034562.exe	MM2000JEFRC	HPD8	HPD8	
391	Online ROM Flash Component for Windows (x64) - MM1000JFJTH Drives	cp034509.exe	MM1000JFJTH	HPD3	HPD3	

392	Supplemental Update / Online ROM Flash Component for Linux (x64) - EG000600JWEBH and EG000300JWEBF Drives	firmware-hdd-aa9e289524-HPD3-2.1.x86_64.rpm	EG000600JWEBH	HPD3 (B)	HPD3	
393	Supplemental Update / Online ROM Flash Component for Linux (x64) - EG000600JWEBH and EG000300JWEBF Drives	firmware-hdd-aa9e289524-HPD3-2.1.x86_64.rpm	EG000300JWEBF	HPD3 (B)	HPD3	
394	Supplemental Update / Online ROM Flash Component for Linux (x64) - EG001800JWJNR and EG002400JWJNT Drives	firmware-hdd-b1c9eaf74c-HPD1-1.1.x86_64.rpm	EG002400JWJNT	HPD1	HPD1	
395	Supplemental Update / Online ROM Flash Component for Linux (x64) - EG0300JFCKA, EG0600JEMCV, EG0900JFCKB, and EG1200JEMDA Drives	firmware-hdd-ac3fda26eb-HPD6-3.1.x86_64.rpm	EG1200JEMDA	HPD6 (C)	HPD6	
396	Supplemental Update / Online ROM Flash Component for Linux (x64) - EG1800JEMDB Drives	firmware-hdd-0a38b25661-HPD5-2.1.x86_64.rpm	EG1800JEMDB	HPD5 (B)	HPD5	
397	Supplemental Update / Online ROM Flash Component for Linux (x64) - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN Drives	firmware-hdd-3d97759111-HPD3-2.1.x86_64.rpm	EH000900JWCPN	HPD3 (B)	HPD3	
398	Supplemental Update / Online ROM Flash Component for Linux (x64) - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN Drives	firmware-hdd-3d97759111-HPD3-2.1.x86_64.rpm	EH000600JWCPL	HPD3 (B)	HPD3	
399	Supplemental Update / Online ROM Flash Component for Linux (x64) - EH000300JWCPK, EH000600JWCPL, and EH000900JWCPN Drives	firmware-hdd-3d97759111-HPD3-2.1.x86_64.rpm	EH000300JWCPK	HPD3 (B)	HPD3	
400	Supplemental Update / Online ROM Flash Component for Linux (x64) - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD1-2.1.x86_64.rpm	EO000400JWDKP	HPD1 (B)	HPD1	
401	Supplemental Update / Online ROM Flash Component for Linux (x64) - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD1-2.1.x86_64.rpm	EO000800JWDKQ	HPD1 (B)	HPD1	
402	Supplemental Update / Online ROM Flash Component for Linux (x64) - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD1-2.1.x86_64.rpm	EO001600JWDKR	HPD1 (B)	HPD1	

403	Supplemental Update / Online ROM Flash Component for Linux (x64) - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD1-2.1.x86_64.rpm	MO000400JWDKU	HPD1 (B)	HPD1	
404	Supplemental Update / Online ROM Flash Component for Linux (x64) - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD1-2.1.x86_64.rpm	MO000800JWDKV	HPD1 (B)	HPD1	
405	Supplemental Update / Online ROM Flash Component for Linux (x64) - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD1-2.1.x86_64.rpm	MO001600JWDLA	HPD1 (B)	HPD1	
406	Supplemental Update / Online ROM Flash Component for Linux (x64) - EO000400JWDKP,EO000800JWDKQ,EO001600JWDKR,MO000400JWDKU,MO000800JWDKV,MO001600JWDLA and MO003200JWDLB Drives	firmware-hdd-5dcf26fa42-HPD1-2.1.x86_64.rpm	MO003200JWDLB	HPD1 (B)	HPD1	
407	Supplemental Update / Online ROM Flash Component for Linux (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP, and MB4000JVYZQ Drives	firmware-hdd-b85516c7d2-HPD2-2.1.x86_64.rpm	MB1000JVYZL	HPD2 (B)	HPD2	
408	Supplemental Update / Online ROM Flash Component for Linux (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP, and MB4000JVYZQ Drives	firmware-hdd-b85516c7d2-HPD2-2.1.x86_64.rpm	MB2000JVYZN	HPD2 (B)	HPD2	
409	Supplemental Update / Online ROM Flash Component for Linux (x64) - MB1000JVYZL, MB2000JVYZN, MB3000JVYZP, and MB4000JVYZQ Drives	firmware-hdd-b85516c7d2-HPD2-2.1.x86_64.rpm	MB4000JVYZQ	HPD2 (B)	HPD2	
410	Supplemental Update / Online ROM Flash Component for Linux (x64) - MB6000JVYV Drives	firmware-hdd-0595c2a887-HPD2-2.1.x86_64.rpm	MB6000JVYV	HPD2 (B)	HPD2	
411	Supplemental Update / Online ROM Flash Component for Linux (x64) - MB8000JFECQ Drives	firmware-hdd-252770cdda-HPD7-1.1.x86_64.rpm	MB8000JFECQ	HPD7	HPD7	
412	Supplemental Update / Online ROM Flash Component for Linux (x64) - MM1000JEFRB and MM2000JEFRC Drives	firmware-hdd-b04257b77b-HPD8-1.1.x86_64.rpm	MM2000JEFRC	HPD8	HPD8	
413	Supplemental Update / Online ROM Flash Component for Linux (x64) - MM1000JFJTH Drives	firmware-hdd-fa46c607d6-HPD3-1.1.x86_64.rpm	MM1000JFJTH	HPD3	HPD3	

## 6.2.14 Firmware - SATA Storage Disk

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
414	Online ROM Flash Component for VMware ESXi - MB002000GWFGH and MB001000GWFGF Drives	CP036135.zip	MB001000GWFGF	HPG3 (A)	HPG3	
415	Online ROM Flash Component for VMware ESXi - MB006000GWBXQ and MB008000GWBYL Drives	CP038035.zip	MB006000GWBXQ	HPG6 (B)	HPG6	更新
416	Online ROM Flash Component for VMware ESXi - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH, and MB4000GVYZK Drives	CP036141.zip	MB4000GVYZK	HPG4 (C)	HPG4	
417	Online ROM Flash Component for VMware ESXi - MM1000GEFQV and MM2000GEFRA Drives	CP038034.zip	MM2000GEFRA	HPG8 (B)	HPG8	更新
418	Online ROM Flash Component for Windows (x64) - MB001000GWCBC and MB002000GWCBD Drives	cp036260.exe	MB001000GWCBC	HPG4 (D)	HPG4	
419	Online ROM Flash Component for Windows (x64) - MB001000GWFVK and MB002000GWFVL Drives	cp036261.exe	MB002000GWFVL	HPG4 (D)	HPG4	
420	Online ROM Flash Component for Windows (x64) - MB002000GWFGH and MB001000GWFGF Drives	cp036262.exe	MB001000GWFGF	HPG3 (B)	HPG3	
421	Online ROM Flash Component for Windows (x64) - MB006000GWBXQ and MB008000GWBYL Drives	cp036838.exe	MB006000GWBXQ	HPG6 (B)	HPG6	
422	Online ROM Flash Component for Windows (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH, and MB4000GVYZK Drives	cp036268.exe	MB4000GVYZK	HPG4 (D)	HPG4	
423	Online ROM Flash Component for Windows (x64) - MB8000GFECR Drives	cp036278.exe	MB8000GFECR	HPG5 (C)	HPG5	
424	Online ROM Flash Component for Windows (x64) - MM1000GEFQV and MM2000GEFRA Drives	cp036834.exe	MM2000GEFRA	HPG8 (B)	HPG8	
425	Supplemental Update / Online ROM Flash Component for ESXi - MB001000GWCBC and MB002000GWCBD Drives	CP036133.zip	MB001000GWCBC	HPG4 (C)	HPG4	
426	Supplemental Update / Online ROM Flash Component for ESXi - MB001000GWFVK and MB002000GWFVL Drives	CP036134.zip	MB002000GWFVL	HPG4 (C)	HPG4	
427	Supplemental Update / Online ROM Flash Component for ESXi - MB8000GFECR Drives	CP036161.zip	MB8000GFECR	HPG5 (A)	HPG5	
428	Supplemental Update / Online ROM Flash Component for Linux (x64) - MB001000GWCBC and MB002000GWCBD Drives	firmware-hdd-68b12e54d2-HPG4-4.1.x86_64.rpm	MB001000GWCBC	HPG4 (D)	HPG4	

429	Supplemental Update / Online ROM Flash Component for Linux (x64) - MB001000GWFVK and MB002000GWFVL Drives	firmware-hdd-bfc4af697b-HPG4-4.1.x86_64.rpm	MB002000GWFVL	HPG4 (D)	HPG4	
430	Supplemental Update / Online ROM Flash Component for Linux (x64) - MB002000GWFGH and MB001000GWFGF Drives	firmware-hdd-0b575b5895-HPG3-2.1.x86_64.rpm	MB001000GWFGF	HPG3 (B)	HPG3	
431	Supplemental Update / Online ROM Flash Component for Linux (x64) - MB006000GWBXQ and MB008000GWBXL Drives	firmware-hdd-a1fd19f9ca-HPG6-2.1.x86_64.rpm	MB006000GWBXQ	HPG6 (B)	HPG6	
432	Supplemental Update / Online ROM Flash Component for Linux (x64) - MB1000GVYZE, MB2000GVYZF, MB3000GVYZH, and MB4000GVYZK Drives	firmware-hdd-0a7010918e-HPG4-4.1.x86_64.rpm	MB4000GVYZK	HPG4 (D)	HPG4	
433	Supplemental Update / Online ROM Flash Component for Linux (x64) - MB8000GFECR Drives	firmware-hdd-6d922fc9a8-HPG5-3.1.x86_64.rpm	MB8000GFECR	HPG5 (C)	HPG5	
434	Supplemental Update / Online ROM Flash Component for Linux (x64) - MM1000GEFQV and MM2000GEFRA Drives	firmware-hdd-ec908c3650-HPG8-2.1.x86_64.rpm	MM2000GEFRA	HPG8 (B)	HPG8	

## 6.2.15 Firmware - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
435	Online ROM Flash Component for VMware ESXi – HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers	CP037229.zip	HPE 12Gb SAS Expander Card	4.21	4.21	更新
436	Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	CP037794.zip	HPE Smart Array P816i-a SR Gen10 Controller	1.65 (B)	1.65	更新
437	Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	CP037794.zip	HPE Smart Array P408i-a SR Gen10 Controller	1.65 (B)	1.65	更新
438	Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	CP037794.zip	HPE Smart Array P408i-p SR Gen10 Controller	1.65 (B)	1.65	更新

439	Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	CP037794.zip	HPE Smart Array E208e-p SR Gen10 Controller	1.65 (B)	1.65	更新
440	Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	CP037794.zip	HPE Smart Array E208i-p SR Gen10 Controller	1.65 (B)	1.65	更新
441	Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	CP037794.zip	HPE Smart Array E208i-a SR Gen10 Controller	1.65 (B)	1.65	更新
442	Online ROM Flash Component for Windows (x64) - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers	cp037678.exe	HPE 12Gb SAS Expander Card	4.21 (B)	4.21	更新
443	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	cp037449.exe	HPE Smart Array P816i-a SR Gen10 Controller	1.65 (B)	1.65	更新
444	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	cp037449.exe	HPE Smart Array P408i-a SR Gen10 Controller	1.65 (B)	1.65	更新
445	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	cp037449.exe	HPE Smart Array P408i-p SR Gen10 Controller	1.65 (B)	1.65	更新
446	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	cp037449.exe	HPE Smart Array E208e-p SR Gen10 Controller	1.65 (B)	1.65	更新

447	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	cp037449.exe	HPE Smart Array E208i-p SR Gen10 Controller	1.65 (B)	1.65	更新
448	Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	cp037449.exe	HPE Smart Array E208i-a SR Gen10 Controller	1.65 (B)	1.65	更新
449	Supplemental Update / Online ROM Flash Component for Linux (x64) – HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers	firmware-smartarray-2d e15b6882-4.21-1.1.x86_64.rpm	HPE 12Gb SAS Expander Card	4.21	4.21	更新
450	Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	firmware-smartarray-f7 c07bdbbd-1.65-1.1.x86_64.rpm	HPE Smart Array P816i-a SR Gen10 Controller	1.65	1.65	
451	Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	firmware-smartarray-f7 c07bdbbd-1.65-1.1.x86_64.rpm	HPE Smart Array P408i-a SR Gen10 Controller	1.65	1.65	
452	Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	firmware-smartarray-f7 c07bdbbd-1.65-1.1.x86_64.rpm	HPE Smart Array P408i-p SR Gen10 Controller	1.65	1.65	
453	Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	firmware-smartarray-f7 c07bdbbd-1.65-1.1.x86_64.rpm	HPE Smart Array E208e-p SR Gen10 Controller	1.65	1.65	
454	Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	firmware-smartarray-f7 c07bdbbd-1.65-1.1.x86_64.rpm	HPE Smart Array E208i-p SR Gen10 Controller	1.65	1.65	



455	Supplemental Update / Online ROM Flash Component for Linux (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10	firmware-smartarray-f7c07bdbbd-1.65-1.1.x86_64.rpm	HPE Smart Array E208i-a SR Gen10 Controller	1.65	1.65	
-----	---	--	---	------	------	--

## 6.2.16 Firmware - Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
456	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2018.09.03-1.3.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2018.09.03	11.4.334.10	更新
457	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2018.09.03-1.3.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2018.09.03	11.4.334.10	更新
458	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2018.09.03-1.3.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2018.09.03	11.4.334.10	更新
459	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)	firmware-fc-emulex-2018.09.03-1.3.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2018.09.03	11.4.334.10	更新
460	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.0	CP037625.zip	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2018.09.03	11.4.334.10	更新
461	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.0	CP037625.zip	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2018.09.03	11.4.334.10	更新
462	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.0	CP037625.zip	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2018.09.03	11.4.334.10	更新
463	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.0	CP037625.zip	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2018.09.03	11.4.334.10	更新
464	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP037624.zip	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2018.09.03	11.4.334.10	更新
465	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP037624.zip	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2018.09.03	11.4.334.10	更新

466	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP037624.zip	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2018.09.03	11.4.334.10	更新
467	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP037624.zip	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2018.09.03	11.4.334.10	更新
468	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP035924.zip	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2018.11.01	11.4.334.10	新規追加
469	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP035924.zip	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2018.11.01	11.4.334.10	新規追加
470	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP035924.zip	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2018.11.01	11.4.334.10	新規追加
471	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP035924.zip	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2018.11.01	11.4.334.10	新規追加
472	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Windows 2012/2012 R2/2016/2019 x64	cp037623.exe	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2018.11.01	11.4.334.10	更新
473	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Windows 2012/2012 R2/2016/2019 x64	cp037623.exe	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2018.11.01	11.4.334.10	更新
474	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Windows 2012/2012 R2/2016/2019 x64	cp037623.exe	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2018.11.01	11.4.334.10	更新
475	HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Windows 2012/2012 R2/2016/2019 x64	cp037623.exe	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2018.11.01	11.4.334.10	更新
476	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2018.09.01-1.1.x86_64.rpm	HPE StoreFabric SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2018.09.01	01.70.85	
477	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2018.09.01-1.1.x86_64.rpm	HPE StoreFabric SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2018.09.01	01.70.85	
478	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2018.09.01-1.1.x86_64.rpm	HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2018.09.01	01.70.85	

479	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters - Linux (x86_64)	firmware-fc-qlogic-2018.09.01-1.1.x86_64.rpm	HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2018.09.01	01.70.85	
480	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.0	CP035931.zip	HPE StoreFabric SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2018.09.01	01.70.85	
481	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.0	CP035931.zip	HPE StoreFabric SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2018.09.01	01.70.85	
482	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.0	CP035931.zip	HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2018.09.01	01.70.85	
483	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.0	CP035931.zip	HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2018.09.01	01.70.85	
484	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP035932.zip	HPE StoreFabric SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2018.09.01	01.70.85	
485	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP035932.zip	HPE StoreFabric SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2018.09.01	01.70.85	
486	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP035932.zip	HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2018.09.01	01.70.85	
487	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.5	CP035932.zip	HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2018.09.01	01.70.85	
488	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP035933.zip	HPE StoreFabric SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2018.08.01	01.70.85	新規追加
489	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP035933.zip	HPE StoreFabric SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2018.08.01	01.70.85	新規追加
490	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP035933.zip	HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2018.08.01	01.70.85	新規追加
491	HPE Firmware Flash for QLogic Fibre Channel Host Bus Adapters for VMware vSphere 6.7	CP035933.zip	HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2018.08.01	01.70.85	新規追加

492	HPE Firmware Online Flash for QLogic Fibre Channel Host Bus Adapters - Windows 2012/2012R2/2016/2019 (x86_64)	cp037464.exe	HPE StoreFabric SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2018.11.01	01.70.85	更新
493	HPE Firmware Online Flash for QLogic Fibre Channel Host Bus Adapters - Windows 2012/2012R2/2016/2019 (x86_64)	cp037464.exe	HPE StoreFabric SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2018.11.01	01.70.85	更新
494	HPE Firmware Online Flash for QLogic Fibre Channel Host Bus Adapters - Windows 2012/2012R2/2016/2019 (x86_64)	cp037464.exe	HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2018.11.01	01.70.85	更新
495	HPE Firmware Online Flash for QLogic Fibre Channel Host Bus Adapters - Windows 2012/2012R2/2016/2019 (x86_64)	cp037464.exe	HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2018.11.01	01.70.85	更新

### 6.2.17 Firmware – System

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
496	Firmware Package - Gen10 NVMe Backplane PIC Firmware	ISS_NVMe_BP_PIC_flashV1B20.fwpkg	NVMe Backplane PIC	1.20	1.20	新規追加
497	Online Flash Component for Linux - Gen10 NVMe Backplane PIC Firmware	firmware-nvmebackplane-gen10-1.20-5.1.x86_64.rpm	NVMe Backplane PIC	1.20 (E)	1.20	更新
498	Online Flash Component for Windows x64 - Gen10 NVMe Backplane PIC Firmware	cp037722.exe	NVMe Backplane PIC	1.20 (D)	1.20	更新

### 6.2.18 Software – Lights-Out Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
499	HP Lights-Out Online Configuration Utility for Linux (AMD64/EM64T)	hponcfg-5.4.0-0.x86_64.rpm	-	5.4.0-0	5.4.0-0	更新
500	HP Lights-Out Online Configuration Utility for Windows x64 Editions	cp037518.exe	-	5.2.0.0 (A)	5.2.0.0 (A)	更新

### 6.2.19 Software – Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
501	HPE Management Bundle Smart Component for ESXi 6.0	cp037584.zip	-	2018.11.01	2018.11.01	更新
502	HPE Management Bundle Smart Component for ESXi 6.5	cp037585.zip	-	2018.11.01	2018.11.01	更新
503	HPE Management Bundle Smart Component for ESXi 6.7	cp037586.zip	-	2018.11.01	2018.11.01	新規追加

### 6.2.20 Software – Network

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
504	HPE Intel esx-provider for VMware	cp035296.zip	HP Ethernet 1Gb 2-port 361T Adapter	2018.09.00	0.6-4.3	

505	HPE Intel esx-provider for VMware	cp035296.zip	HP Ethernet 1Gb 4-port 366FLR Adapter	2018.09.00	0.6-4.3	
506	HPE Intel esx-provider for VMware	cp035296.zip	HP Ethernet 1Gb 4-port 366T Adapter	2018.09.00	0.6-4.3	
507	HPE Intel esx-provider for VMware	cp035296.zip	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	2018.09.00	0.6-4.3	
508	HPE Intel esx-provider for VMware	cp035296.zip	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	2018.09.00	0.6-4.3	

### 6.2.21 Software - Storage Controller

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
509	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp036076.exe	HPE Smart Array P408i-a SR Gen10 Controller	1.2.0.64	1.2.0.64	更新
510	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp036076.exe	HPE Smart Array P408i-p SR Gen10 Controller	1.2.0.64	1.2.0.64	更新
511	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp036076.exe	HPE Smart Array P816i-a SR Gen10 Controller	1.2.0.64	1.2.0.64	更新
512	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp036076.exe	HPE Smart Array E208e-p SR Gen10 Controller	1.2.0.64	1.2.0.64	更新
513	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp036076.exe	HPE Smart Array E208i-p SR Gen10 Controller	1.2.0.64	1.2.0.64	更新
514	HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions	cp036076.exe	HPE Smart Array E208i-a SR Gen10 Controller	1.2.0.64	1.2.0.64	更新

### 6.2.22 Software - Storage Fibre Channel

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
515	Emulex Fibre Channel driver component for VMware vSphere 6.0	cp035925.zip	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2018.09.01	11.4.329.0-10 EM.600.0.0.2 768847	
516	Emulex Fibre Channel driver component for VMware vSphere 6.0	cp035925.zip	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2018.09.01	11.4.329.0-10 EM.600.0.0.2 768847	
517	Emulex Fibre Channel driver component for VMware vSphere 6.0	cp035925.zip	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2018.09.01	11.4.329.0-10 EM.600.0.0.2 768847	
518	Emulex Fibre Channel driver component for VMware vSphere 6.0	cp035925.zip	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2018.09.01	11.4.329.0-10 EM.600.0.0.2 768847	

519	Emulex Fibre Channel driver component for VMware vSphere 6.5	cp035926.zip	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2018.09.01	11.4.329.0-10 EM.650.0.0.4 598673	
520	Emulex Fibre Channel driver component for VMware vSphere 6.5	cp035926.zip	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2018.09.01	11.4.329.0-10 EM.650.0.0.4 598673	
521	Emulex Fibre Channel driver component for VMware vSphere 6.5	cp035926.zip	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2018.09.01	11.4.329.0-10 EM.650.0.0.4 598673	
522	Emulex Fibre Channel driver component for VMware vSphere 6.5	cp035926.zip	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2018.09.01	11.4.329.0-10 EM.650.0.0.4 598673	
523	Emulex Fibre Channel driver component for VMware vSphere 6.7	cp035927.zip	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	2018.11.01	11.4.341.0-10 EM.670.0.0.7 535516	新規追加
524	Emulex Fibre Channel driver component for VMware vSphere 6.7	cp035927.zip	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	2018.11.01	11.4.341.0-10 EM.670.0.0.7 535516	新規追加
525	Emulex Fibre Channel driver component for VMware vSphere 6.7	cp035927.zip	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	2018.11.01	11.4.341.0-10 EM.670.0.0.7 535516	新規追加
526	Emulex Fibre Channel driver component for VMware vSphere 6.7	cp035927.zip	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	2018.11.01	11.4.341.0-10 EM.670.0.0.7 535516	新規追加
527	QLogic Fibre Channel driver component for VMware vSphere 6.0	cp035928.zip	HPE StoreFabric SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2018.09.01	2.1.73.0-10E M.600.0.0.27 68847	
528	QLogic Fibre Channel driver component for VMware vSphere 6.0	cp035928.zip	HPE StoreFabric SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2018.09.01	2.1.73.0-10E M.600.0.0.27 68847	
529	QLogic Fibre Channel driver component for VMware vSphere 6.0	cp035928.zip	HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2018.09.01	2.1.73.0-10E M.600.0.0.27 68847	
530	QLogic Fibre Channel driver component for VMware vSphere 6.0	cp035928.zip	HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2018.09.01	2.1.73.0-10E M.600.0.0.27 68847	
531	QLogic Fibre Channel driver component for VMware vSphere 6.5	cp035929.zip	HPE StoreFabric SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2018.09.01	2.1.73.0-10E M.600.0.0.27 68847	

532	QLogic Fibre Channel driver component for VMware vSphere 6.5	cp035929.zip	HPE StoreFabric SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2018.09.01	2.1.73.0-10E M.600.0.0.27 68847	
533	QLogic Fibre Channel driver component for VMware vSphere 6.5	cp035929.zip	HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2018.09.01	2.1.73.0-10E M.600.0.0.27 68847	
534	QLogic Fibre Channel driver component for VMware vSphere 6.5	cp035929.zip	HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2018.09.01	2.1.73.0-10E M.600.0.0.27 68847	
535	QLogic Fibre Channel driver component for VMware vSphere 6.7	cp035930.zip	HPE StoreFabric SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	2018.11.01	3.1.8.0-10EM.670.0.0.75355 16	新規追加
536	QLogic Fibre Channel driver component for VMware vSphere 6.7	cp035930.zip	HPE StoreFabric SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	2018.11.01	3.1.8.0-10EM.670.0.0.75355 16	新規追加
537	QLogic Fibre Channel driver component for VMware vSphere 6.7	cp035930.zip	HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	2018.11.01	3.1.8.0-10EM.670.0.0.75355 16	新規追加
538	QLogic Fibre Channel driver component for VMware vSphere 6.7	cp035930.zip	HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	2018.11.01	3.1.8.0-10EM.670.0.0.75355 16	新規追加

### 6.2.23 Software - Storage Fibre Channel HBA

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
539	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux (x86_64)	fibreutils-3.3-5.x86_64.rpm	HPE StoreFabric SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	3.3-5 (b)	3.3-5 (b)	
540	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux (x86_64)	fibreutils-3.3-5.x86_64.rpm	HPE StoreFabric SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	3.3-5 (b)	3.3-5 (b)	
541	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux (x86_64)	fibreutils-3.3-5.x86_64.rpm	HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	3.3-5 (b)	3.3-5 (b)	
542	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux (x86_64)	fibreutils-3.3-5.x86_64.rpm	HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	3.3-5 (b)	3.3-5 (b)	
543	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux (x86_64)	fibreutils-3.3-5.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	3.3-5 (b)	3.3-5 (b)	

544	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux (x86_64)	fibreutils-3.3-5.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	3.3-5 (b)	3.3-5 (b)	
545	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux (x86_64)	fibreutils-3.3-5.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	3.3-5 (b)	3.3-5 (b)	
546	Fibreutils for HPE Storage Fibre Channel Host Bus Adapters for Linux (x86_64)	fibreutils-3.3-5.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	3.3-5 (b)	3.3-5 (b)	
547	HPE Emulex Fibre Channel Enablement Kit for Red Hat Enterprise Linux 6 Server	HP-CNA-FC-Emulex-Enablement-Kit-11.4.334.2-1.rhel6.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	11.4.334.2	11.4.334.2	
548	HPE Emulex Fibre Channel Enablement Kit for Red Hat Enterprise Linux 6 Server	HP-CNA-FC-Emulex-Enablement-Kit-11.4.334.2-1.rhel6.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	11.4.334.2	11.4.334.2	
549	HPE Emulex Fibre Channel Enablement Kit for Red Hat Enterprise Linux 6 Server	HP-CNA-FC-Emulex-Enablement-Kit-11.4.334.2-1.rhel6.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	11.4.334.2	11.4.334.2	
550	HPE Emulex Fibre Channel Enablement Kit for Red Hat Enterprise Linux 6 Server	HP-CNA-FC-Emulex-Enablement-Kit-11.4.334.2-1.rhel6.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	11.4.334.2	11.4.334.2	
551	HPE Emulex Fibre Channel Enablement Kit for Red Hat Enterprise Linux 7 Server	HP-CNA-FC-Emulex-Enablement-Kit-11.4.334.2-1.rhel7.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	11.4.334.2	11.4.334.2	
552	HPE Emulex Fibre Channel Enablement Kit for Red Hat Enterprise Linux 7 Server	HP-CNA-FC-Emulex-Enablement-Kit-11.4.334.2-1.rhel7.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	11.4.334.2	11.4.334.2	
553	HPE Emulex Fibre Channel Enablement Kit for Red Hat Enterprise Linux 7 Server	HP-CNA-FC-Emulex-Enablement-Kit-11.4.334.2-1.rhel7.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	11.4.334.2	11.4.334.2	
554	HPE Emulex Fibre Channel Enablement Kit for Red Hat Enterprise Linux 7 Server	HP-CNA-FC-Emulex-Enablement-Kit-11.4.334.2-1.rhel7.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	11.4.334.2	11.4.334.2	
555	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.0-4 (c)	1.0.0.0-4 (c)	更新
556	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.0-4 (c)	1.0.0.0-4 (c)	更新



557	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.0-4 (c)	1.0.0.0-4 (c)	更新
558	HPE Emulex Smart SAN Enablement Kit for Linux	hpe-emulex-smartsan-enablement-kit-1.0.0.0-4.x86_64.rpm	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.0-4 (c)	1.0.0.0-4 (c)	更新
559	HPE Emulex Smart SAN Enablement Kit for Windows 64 bit operating systems	cp037453.exe	HPE StoreFabric SN1200E 16Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (g)	1.0.0.1 (g)	更新
560	HPE Emulex Smart SAN Enablement Kit for Windows 64 bit operating systems	cp037453.exe	HPE StoreFabric SN1200E 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (g)	1.0.0.1 (g)	更新
561	HPE Emulex Smart SAN Enablement Kit for Windows 64 bit operating systems	cp037453.exe	HPE StoreFabric SN1600E 32Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (g)	1.0.0.1 (g)	更新
562	HPE Emulex Smart SAN Enablement Kit for Windows 64 bit operating systems	cp037453.exe	HPE StoreFabric SN1600E 32Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (g)	1.0.0.1 (g)	更新
563	HPE QLogic Fibre Channel Enablement Kit for Linux	HP-CNA-FC-hpqlgc-Enablement-Kit-6.0.0.0-4.noarch.rpm	HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	6.0.0.0-4 (e)	6.0.0.0-4 (e)	
564	HPE QLogic Fibre Channel Enablement Kit for Linux	HP-CNA-FC-hpqlgc-Enablement-Kit-6.0.0.0-4.noarch.rpm	HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	6.0.0.0-4 (e)	6.0.0.0-4 (e)	
565	HPE QLogic Fibre Channel Enablement Kit for Linux	HP-CNA-FC-hpqlgc-Enablement-Kit-6.0.0.0-4.noarch.rpm	HPE StoreFabric SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	6.0.0.0-4 (e)	6.0.0.0-4 (e)	
566	HPE QLogic Fibre Channel Enablement Kit for Linux	HP-CNA-FC-hpqlgc-Enablement-Kit-6.0.0.0-4.noarch.rpm	HPE StoreFabric SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	6.0.0.0-4 (e)	6.0.0.0-4 (e)	
567	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE StoreFabric SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	3.3-3 (c)	3.3-3 (c)	更新
568	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE StoreFabric SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	3.3-3 (c)	3.3-3 (c)	更新
569	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	3.3-3 (c)	3.3-3 (c)	更新

570	HPE QLogic Smart SAN enablement kit for Linux	hpe-qlogic-smartsan-enablement-kit-3.3-3.x86_64.rpm	HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	3.3-3 (c)	3.3-3 (c)	更新
571	HPE QLogic Smart SAN Enablement Kit for Windows 64 bit operating systems	cp037454.exe	HPE StoreFabric SN1100Q 16Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (f)	1.0.0.1 (f)	更新
572	HPE QLogic Smart SAN Enablement Kit for Windows 64 bit operating systems	cp037454.exe	HPE StoreFabric SN1100Q 16Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (f)	1.0.0.1 (f)	更新
573	HPE QLogic Smart SAN Enablement Kit for Windows 64 bit operating systems	cp037454.exe	HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter	1.0.0.1 (f)	1.0.0.1 (f)	更新
574	HPE QLogic Smart SAN Enablement Kit for Windows 64 bit operating systems	cp037454.exe	HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter	1.0.0.1 (f)	1.0.0.1 (f)	更新

#### 6.2.24 Software - System Management

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
575	Agentless Management Service (iLO 5) for Red Hat Enterprise Linux 6 Server	amsd-1.3.2-3016.4.rhel6.x86_64.rpm	-	1.3.2	1.3.2	更新
576	Agentless Management Service (iLO 5) for Red Hat Enterprise Linux 7 Server	amsd-1.3.2-3016.4.rhel7.x86_64.rpm	-	1.3.2	1.3.2	更新
577	Agentless Management Service for Windows X64	cp037335.exe	-	1.30.0.0 (B)	1.30.0.0 (B)	更新
578	NVMe Drive Eject NMI Fix for Intel Xeon Processor Scalable Family for Windows	cp034635.exe	-	1.1.0.0 (C)	1.1.0.0 (C)	更新
579	Smart Storage Administrator (SSA) CLI for Linux 64-bit	ssacli-3.30-14.0.x86_64.rpm	-	3.30.14.0	3.30.14.0	新規追加
580	Smart Storage Administrator (SSA) CLI for Windows 64-bit	cp037428.exe	-	3.30.14.0 (A)	3.30.14.0 (A)	更新
581	Smart Storage Administrator (SSA) for Linux 64-bit	ssa-3.30-14.0.x86_64.rpm	-	3.30.14.0	3.30.14.0	新規追加
582	Smart Storage Administrator (SSA) for Windows 64-bit	cp037427.exe	-	3.30.14.0 (A)	3.30.14.0 (A)	更新
583	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Linux 64-bit	ssaducli-3.30-14.0.x86_64.rpm	-	3.30.14.0	3.30.14.0	新規追加
584	Smart Storage Administrator Diagnostic Utility (SSADU) CLI for Windows 64-bit	cp037429.exe	-	3.30.14.0 (A)	3.30.14.0 (A)	更新

#### 6.2.25 Utility - Tools

No.	Description	Package filename	Device	Package Version	Firmware/Driver version	Update
585	HPE Utilities Bundle Smart Component for ESXi 6.0	cp037729.zip	-	2018.11.01	2018.11.01	更新
586	HPE Utilities Bundle Smart Component for ESXi 6.5	cp037728.zip	-	2018.11.01	2018.11.01	更新

587	HPE Utilities Bundle Smart Component for ESXi 6.7	cp036014.zip	-	2018.11.01	2018.11.01	新規追加
-----	---	--------------	---	------------	------------	------

## 6.3 パッケージの変更内容

---

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

1.46\_10-02-2018

#### **Important Notes:**

None

#### **Firmware Dependencies:**

None

#### **Problems Fixed:**

Addressed an issue where early server video output, on a locally attached monitor, may not show correctly when the monitor is attached to the server through a KVM. This issue does not impact systems that are not using a KVM or video output through the iLO Remote Console application.

Addressed an issue where firmware flashing through the RESTful API could periodically fail and the task being marked with an exception in the iLO firmware page. This issue could impact flashing firmware such as the HPE Innovation Engine, Intel SPS Firmware or the optional HPE Trusted Platform Module (TPM).

Addressed an issue where a PCIe card would not properly train to its maximum speed when the PCIe Bifurcation option was enabled. This issue does not impact PCIe cards that do not require bifurcation.

Addressed an extremely rare issue where a system configured with an optional SATA DVD drive and an HPE SmartArray controller may become unresponsive during boot, usually with a Red Screen (RSOD), when in legacy boot mode. This issue does not impact systems in UEFI Boot Mode.

Addressed an issue where an optional PCIe card's legacy option ROM may not properly display its legacy setup menu prompt during boot when in legacy boot mode. This issue does not impact systems in UEFI Boot Mode.

#### **Known Issues:**

None

#### **Enhancements**

Added support for flashing the firmware of the optional HPE Trusted Platform Module (TPM). This is the minimum revision of the System ROM that should be used if updating the firmware on the optional HPE TPM module.

Added a new PCIe Peer-to-Peer Serialization option to the Advanced Performance Options menu in the BIOS/Platform Configuration (RBSU). This option can be used to improve peer-to-peer performance between two PCIe devices installed on the same processor. This option may improve performance in certain GP-GPU configurations.

Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

---

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

1.46\_10-02-2018

**Important Notes:**

None

**Firmware Dependencies:**

None

**Problems Fixed:**

Addressed an issue where early server video output, on a locally attached monitor, may not show correctly when the monitor is attached to the server through a KVM. This issue does not impact systems that are not using a KVM or video output through the iLO Remote Console application.

Addressed an issue where firmware flashing through the RESTful API could periodically fail and the task being marked with an exception in the iLO firmware page. This issue could impact flashing firmware such as the HPE Innovation Engine, Intel SPS Firmware or the optional HPE Trusted Platform Module (TPM).

Addressed an issue where a PCIe card would not properly train to its maximum speed when the PCIe Bifurcation option was enabled. This issue does not impact PCIe cards that do not require bifurcation.

Addressed an extremely rare issue where a system configured with an optional SATA DVD drive and an HPE SmartArray controller may become unresponsive during boot, usually with a Red Screen (RSOD), when in legacy boot mode. This issue does not impact systems in UEFI Boot Mode.

Addressed an issue where an optional PCIe card's legacy option ROM may not properly display its legacy setup menu prompt during boot when in legacy boot mode. This issue does not impact systems in UEFI Boot Mode.

**Known Issues:**

None

**Enhancements**

Added support for flashing the firmware of the optional HPE Trusted Platform Module (TPM). This is the minimum revision of the System ROM that should be used if updating the firmware on the optional HPE TPM module.

Added a new PCIe Peer-to-Peer Serialization option to the Advanced Performance Options menu in the BIOS/Platform Configuration (RBSU). This option can be used to improve peer-to-peer performance between two PCIe devices installed on the same processor. This option may improve performance in certain GP-GPU configurations.

Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

---

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

1.46\_10-02-2018

**Important Notes:**

None

**Firmware Dependencies:**

None

### **Problems Fixed:**

Addressed an issue where early server video output, on a locally attached monitor, may not show correctly when the monitor is attached to the server through a KVM. This issue does not impact systems that are not using a KVM or video output through the iLO Remote Console application.

Addressed an issue where firmware flashing through the RESTful API could periodically fail and the task being marked with an exception in the iLO firmware page. This issue could impact flashing firmware such as the HPE Innovation Engine, Intel SPS Firmware or the optional HPE Trusted Platform Module (TPM).

Addressed an issue where a PCIe card would not properly train to its maximum speed when the PCIe Bifurcation option was enabled. This issue does not impact PCIe cards that do not require bifurcation.

Addressed an extremely rare issue where a system configured with an optional SATA DVD drive and an HPE SmartArray controller may become unresponsive during boot, usually with a Red Screen (RSOD), when in legacy boot mode. This issue does not impact systems in UEFI Boot Mode.

Addressed an issue where an optional PCIe card's legacy option ROM may not properly display its legacy setup menu prompt during boot when in legacy boot mode. This issue does not impact systems in UEFI Boot Mode.

### **Known Issues:**

None

### **Enhancements**

Added support for flashing the firmware of the optional HPE Trusted Platform Module (TPM). This is the minimum revision of the System ROM that should be used if updating the firmware on the optional HPE TPM module.

Added a new PCIe Peer-to-Peer Serialization option to the Advanced Performance Options menu in the BIOS/Platform Configuration (RBSU). This option can be used to improve peer-to-peer performance between two PCIe devices installed on the same processor. This option may improve performance in certain GP-GPU configurations.

Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

---

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

1.46\_10-02-2018

### **Important Notes:**

None

### **Firmware Dependencies:**

None

### **Problems Fixed:**

Addressed an issue where early server video output, on a locally attached monitor, may not show correctly when the monitor is attached to the server through a KVM. This issue does not impact systems that are not using a KVM or video output through the iLO Remote Console application.

Addressed an issue where firmware flashing through the RESTful API could periodically fail and the task being marked with an exception in the iLO firmware page. This issue could impact flashing firmware such as the HPE Innovation Engine, Intel SPS Firmware or the optional HPE Trusted Platform Module (TPM).

Addressed an issue where a PCIe card would not properly train to its maximum speed when the PCIe Bifurcation option was enabled. This issue does not impact PCIe cards that do not require bifurcation.

Addressed an extremely rare issue where a system configured with an optional SATA DVD drive and an HPE SmartArray controller may become unresponsive during boot, usually with a Red Screen (RSOD), when in legacy boot mode. This issue does not impact systems in UEFI Boot Mode.

Addressed an issue where an optional PCIe card's legacy option ROM may not properly display its legacy setup menu prompt during boot when in legacy boot mode. This issue does not impact systems in UEFI Boot Mode.

#### **Known Issues:**

None

#### **Enhancements**

Added support for flashing the firmware of the optional HPE Trusted Platform Module (TPM). This is the minimum revision of the System ROM that should be used if updating the firmware on the optional HPE TPM module.

Added a new PCIe Peer-to-Peer Serialization option to the Advanced Performance Options menu in the BIOS/Platform Configuration (RBSU). This option can be used to improve peer-to-peer performance between two PCIe devices installed on the same processor. This option may improve performance in certain GP-GPU configurations.

Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

---

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

1.46\_10-02-2018

#### **Important Notes:**

None

#### **Firmware Dependencies:**

None

#### **Problems Fixed:**

Addressed an issue where early server video output, on a locally attached monitor, may not show correctly when the monitor is attached to the server through a KVM. This issue does not impact systems that are not using a KVM or video output through the iLO Remote Console application.

Addressed an issue where firmware flashing through the RESTful API could periodically fail and the task being marked with an exception in the iLO firmware page. This issue could impact flashing firmware such as the HPE Innovation Engine, Intel SPS Firmware or the optional HPE Trusted Platform Module (TPM).

Addressed an issue where a PCIe card would not properly train to its maximum speed when the PCIe

Bifurcation option was enabled. This issue does not impact PCIe cards that do not require bifurcation.

Addressed an extremely rare issue where a system configured with an optional SATA DVD drive and an HPE SmartArray controller may become unresponsive during boot, usually with a Red Screen (RSOD), when in legacy boot mode. This issue does not impact systems in UEFI Boot Mode.

Addressed an issue where an optional PCIe card's legacy option ROM may not properly display its legacy setup menu prompt during boot when in legacy boot mode. This issue does not impact systems in UEFI Boot Mode.

**Known Issues:**

None

**Enhancements**

Added support for flashing the firmware of the optional HPE Trusted Platform Module (TPM). This is the minimum revision of the System ROM that should be used if updating the firmware on the optional HPE TPM module.

Added a new PCIe Peer-to-Peer Serialization option to the Advanced Performance Options menu in the BIOS/Platform Configuration (RBSU). This option can be used to improve peer-to-peer performance between two PCIe devices installed on the same processor. This option may improve performance in certain GP-GPU configurations.

Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

---

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

1.46\_10-02-2018

**Important Notes:**

None

**Firmware Dependencies:**

None

**Problems Fixed:**

Addressed an issue where early server video output, on a locally attached monitor, may not show correctly when the monitor is attached to the server through a KVM. This issue does not impact systems that are not using a KVM or video output through the iLO Remote Console application.

Addressed an issue where firmware flashing through the RESTful API could periodically fail and the task being marked with an exception in the iLO firmware page. This issue could impact flashing firmware such as the HPE Innovation Engine, Intel SPS Firmware or the optional HPE Trusted Platform Module (TPM).

Addressed an issue where a PCIe card would not properly train to its maximum speed when the PCIe Bifurcation option was enabled. This issue does not impact PCIe cards that do not require bifurcation.

Addressed an extremely rare issue where a system configured with an optional SATA DVD drive and an HPE SmartArray controller may become unresponsive during boot, usually with a Red Screen (RSOD), when in legacy boot mode. This issue does not impact systems in UEFI Boot Mode.



Addressed an issue where an optional PCIe card's legacy option ROM may not properly display its legacy setup menu prompt during boot when in legacy boot mode. This issue does not impact systems in UEFI Boot Mode.

**Known Issues:**

None

**Enhancements**

Added support for flashing the firmware of the optional HPE Trusted Platform Module (TPM). This is the minimum revision of the System ROM that should be used if updating the firmware on the optional HPE TPM module.

Added a new PCIe Peer-to-Peer Serialization option to the Advanced Performance Options menu in the BIOS/Platform Configuration (RBSU). This option can be used to improve peer-to-peer performance between two PCIe devices installed on the same processor. This option may improve performance in certain GP-GPU configurations.

Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

---

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

1.46\_10-02-2018

**Important Notes:**

None

**Firmware Dependencies:**

None

**Problems Fixed:**

Addressed an issue where early server video output, on a locally attached monitor, may not show correctly when the monitor is attached to the server through a KVM. This issue does not impact systems that are not using a KVM or video output through the iLO Remote Console application.

Addressed an issue where firmware flashing through the RESTful API could periodically fail and the task being marked with an exception in the iLO firmware page. This issue could impact flashing firmware such as the HPE Innovation Engine, Intel SPS Firmware or the optional HPE Trusted Platform Module (TPM).

Addressed an issue where a PCIe card would not properly train to its maximum speed when the PCIe Bifurcation option was enabled. This issue does not impact PCIe cards that do not require bifurcation.

Addressed an extremely rare issue where a system configured with an optional SATA DVD drive and an HPE SmartArray controller may become unresponsive during boot, usually with a Red Screen (RSOD), when in legacy boot mode. This issue does not impact systems in UEFI Boot Mode.

Addressed an issue where an optional PCIe card's legacy option ROM may not properly display its legacy setup menu prompt during boot when in legacy boot mode. This issue does not impact systems in UEFI Boot Mode.

**Known Issues:**

None

**Enhancements**

Added support for flashing the firmware of the optional HPE Trusted Platform Module (TPM). This is the minimum revision of the System ROM that should be used if updating the firmware on the optional HPE TPM module.

Added a new PCIe Peer-to-Peer Serialization option to the Advanced Performance Options menu in the BIOS/Platform Configuration (RBSU). This option can be used to improve peer-to-peer performance between two PCIe devices installed on the same processor. This option may improve performance in certain GP-GPU configurations.

Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

---

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

1.46\_10-02-2018

**Important Notes:**

None

**Firmware Dependencies:**

None

**Problems Fixed:**

Addressed an issue where early server video output, on a locally attached monitor, may not show correctly when the monitor is attached to the server through a KVM. This issue does not impact systems that are not using a KVM or video output through the iLO Remote Console application.

Addressed an issue where firmware flashing through the RESTful API could periodically fail and the task being marked with an exception in the iLO firmware page. This issue could impact flashing firmware such as the HPE Innovation Engine, Intel SPS Firmware or the optional HPE Trusted Platform Module (TPM).

Addressed an issue where a PCIe card would not properly train to its maximum speed when the PCIe Bifurcation option was enabled. This issue does not impact PCIe cards that do not require bifurcation.

Addressed an extremely rare issue where a system configured with an optional SATA DVD drive and an HPE SmartArray controller may become unresponsive during boot, usually with a Red Screen (RSOD), when in legacy boot mode. This issue does not impact systems in UEFI Boot Mode.

Addressed an issue where an optional PCIe card's legacy option ROM may not properly display its legacy setup menu prompt during boot when in legacy boot mode. This issue does not impact systems in UEFI Boot Mode.

**Known Issues:**

None

**Enhancements**

Added support for flashing the firmware of the optional HPE Trusted Platform Module (TPM). This is the

minimum revision of the System ROM that should be used if updating the firmware on the optional HPE TPM module.

Added a new PCIe Peer-to-Peer Serialization option to the Advanced Performance Options menu in the BIOS/Platform Configuration (RBSU). This option can be used to improve peer-to-peer performance between two PCIe devices installed on the same processor. This option may improve performance in certain GP-GPU configurations.

Updated the RESTful API HPE BIOS Attribute Registry resources to match the latest BIOS/Platform Configuration options.

---

## **Identifiers for Intel Xeon Processor Scalable Family for Windows Server 2012 R2 to Server 2019**

Version: 10.1.17809.8096 (Optional)

### **Fixes**

Installing this component will no longer overwrite the Intel Management Engine driver.

---

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

Version: 214.0.0.0 (Optional)

### **Important Note!**

HPE recommends the firmware provided in HPE Broadcom NX1 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.1.3.6 or later, for use with this driver.

### **Supported Devices and Features**

These drivers support the following network adapters:

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

---

## **HPE Intel E1R Driver for Windows Server 2016**

Version: 12.15.184.0 (C) (Optional)

### **Important Note!**

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.1.3.0(B) or later, for use with this driver.

### **Supported Devices and Features**

This driver supports the following HPE Intel E1R network adapters:

- o HPE Ethernet 1Gb 2-port 361T Adapter
- o HPE Ethernet 1Gb 4-port 366i Communication Board
- o HPE Ethernet 1Gb 4-port 366FLR Adapter
- o HPE Ethernet 1Gb 4-port 366T Adapter

---

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

Version: 2.4.11-0 (Optional)

### **Important Note!**

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.16.0 or later, for use with these drivers.

### **Enhancements**

This product now supports Red Hat Enterprise Linux 7 Update 5.

### **Supported Devices and Features**

This product supports the following network adapters:

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

---

## **HPE Intel i40ea Driver for Windows Server 2012 R2**

Version: 1.8.83.0 (Optional)

### **Important Note!**

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.1.2.2 or later, for use with this driver.

### **Fixes**

This driver corrects an issue which results in the Windows Stop Error (BSOD) - WHEA\_INTERNAL\_ERROR during server shutdown.

### **Supported Devices and Features**

This product supports the following network adapters:

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

---

## **HPE Intel i40ea Driver for Windows Server 2016**

Version: 1.8.83.0 (Optional)

### **Important Note!**

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.1.2.2 or later, for use with this driver.

### **Fixes**

This driver corrects an issue which results in the Windows Stop Error (BSOD) - WHEA\_INTERNAL\_ERROR during server shutdown.

### **Supported Devices and Features**

This product supports the following network adapters:

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

---

## **HPE Intel i40eb Driver for Windows Server 2012 R2**

Version: 1.8.83.0 (Optional)

### **Important Note!**

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.1.2.2 or later, for use with this driver.

### **Fixes**

- o This driver corrects an issue which results in a routing error when VLAN is applied.
- o This driver corrects an issue which results in the Windows Stop Error (BSOD) - WHEA\_INTERNAL\_ERROR during server shutdown.

### **Supported Devices and Features**

This product supports the following network adapters:

- o HPE Ethernet 1Gb 4-port 369i Adapter

---

## **HPE Intel i40eb Driver for Windows Server 2016**

Version: 1.8.83.0 (Optional)

### **Important Note!**

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.1.2.2 or later, for use with this driver.

### **Fixes**

- o This driver corrects an issue which results in a routing error when VLAN is applied.
- o This driver corrects an issue which results in the Windows Stop Error (BSOD) - WHEA\_INTERNAL\_ERROR during server shutdown.

### **Supported Devices and Features**

This product supports the following network adapters:

- o HPE Ethernet 1Gb 4-port 369i Adapter

---

## **HPE Intel i40evf Drivers for Red Hat Enterprise Linux 7 x86\_64**

Version: 3.5.13-0 (Optional)

### **Important Note!**

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.16.0 or later, for use with these drivers.

### **Enhancements**

This product now supports Red Hat Enterprise Linux 7 Update 5.

### **Supported Devices and Features**

This product supports the following network adapters:

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

---

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

Version: 5.3.5.19-0 (Optional)

#### **Important Note!**

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.16.0 or later, for use with these drivers.

#### **Enhancements**

This product now supports Red Hat Enterprise Linux 7 Update 5.

### **Supported Devices and Features**

These drivers support the following Intel network adapters:

- o HP Ethernet 1Gb 2-port 361T Adapter
- o HP Ethernet 1Gb 4-port 366FLR Adapter
- o HPE Ethernet 1Gb 4-port 366i Communication Board
- o HP Ethernet 1Gb 4-port 366T Adapter

---

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

Version: 5.3.7-0 (Optional)

#### **Important Note!**

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.16.0 or later, for use with these drivers.

#### **Enhancements**

This product now supports Red Hat Enterprise Linux 7 Update 5.

### **Supported Devices and Features**

These drivers support the following network adapters:

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

---

### **HPE Intel ixgbev Drivers for Red Hat Enterprise Linux 6 x86\_64**

Version: 4.3.5-0 (Optional)

#### **Important Note!**

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.16.0 or later, for use with these drivers.

## **Enhancements**

This product now supports Red Hat Enterprise Linux 6 Update 10.

## **Supported Devices and Features**

These drivers support the following network adapters:

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

---

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

Version: 4.3.5-0 (Optional)

## **Important Note!**

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Linux x86\_64, version 1.16.0 or later, for use with these drivers.

## **Enhancements**

This product now supports Red Hat Enterprise Linux 7 Update 5.

## **Supported Devices and Features**

These drivers support the following network adapters:

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

---

## **HPE Intel ixv Driver for Windows Server 2016**

Version: 4.1.74.0 (B) (Optional)

## **Important Note!**

HPE recommends the firmware provided in HPE Intel Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.1.3.0(B) or later, for use with this driver.

## **Supported Devices and Features**

This driver supports the following network adapters:

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

---

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

Version: 1.90.19216.0 (B) (Optional)

## **Supported Devices and Features**

This driver supports the following network adapters:

- o HPE Ethernet 25Gb 2-port 640SFP28 Adapter
- o HPE Infiniband EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter

---

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

Version: 7.13.155.0 (Optional)

### **Important Note!**

HP recommends the firmware provided in HPE QLogic NX2 Online Firmware Upgrade Utility for Windows Server x64 Editions, version 5.1.3.6 or later, for use with these drivers.

### **Supported Devices and Features**

This driver supports the following network adapters:

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

---

## **HPE Smart Array S100i SR Gen10 SW RAID Driver for Windows Server 2012 R2, Windows Server 2016, and Windows Server 2019**

Version: 100.8.0.0 (A) (Recommended)

---

## **HPE Smart Array Gen10 Controller Driver for Windows Server 2012 R2, Windows Server 2016, and Windows Server 2019**

Version: 100.62.0.64 (A) (Recommended)

### **Important Note!**

Note: If version 100.62.0.64 was previously installed, then it is not necessary to upgrade to version 100.62.0.64 (A)

---

## **HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver for Windows 2012, Windows 2012R2 and Windows 2016**

Version: 11.4.334.7 (b) (Recommended)

### **Important Note!**

Release Notes:

HPE StoreFabric Emulex Adapters Release Notes

Beginning with software release 11.2, Fibre Channel (LightPulse) adapters and Converged Network adapters (OneConnect) have independent software kits.

It is highly recommended that you review the Broadcom Software Kit Migration User Guide for more detailed information regarding this change.

To obtain the guide:

1. Go to <http://www.hpe.com/support/manuals>
2. Using the HPE model number as your guide, enter the adapter model number in the Search products box, and then click >>.

This document provides special instructions and considerations for using the driver kits for FC and CNA adapters.

Special cases include those in which pre-11.2 (original) drivers and applications are replaced by the new



11.2 drivers and applications, and cases in which inbox drivers are replaced by the new 11.2 out-of-box (OOB) drivers.

### **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 11.4.334.7

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

```
elxdrv-vc-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\win2012
```

### **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- o HPE StoreFabric SN1200E 16Gb 2P FC HBA
- o HPE StoreFabric SN1200E 16Gb 1P FC HBA
- o HPE StoreFabric SN1600E 32Gb 2p FC HBA
- o HPE StoreFabric SN1600E 32Gb 1p FC HBA

---

## **HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Windows Server 2012 and 2012 R2**

Version: 9.2.8.20 (b) (Recommended)

### **Important Note!**

Release Notes:

HPE StoreFabric QLogic Adapters Release Notes

### **Prerequisites**

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

### **Fixes**

This driver version resolves the following :

- o Switch name server entry, Port Symbols are displayed with dots at the end
- o Non-descriptive Device name in Windows
- o Request\_Driver\_Plogi(Port Login) Retry Delay
- o Unexpected behavior of FC(Fibre Channel) speed - When transfer sizes above 8MB(MegaByte) are attempted, performance drops to almost zero by making mixed mode (I/O Control Block type 6 and 7) default and used IOCB (I/O Control Block) type 6 when IO(Input Output) size > 128K (> 0x20 segments)

## **Enhancements**

Updated the driver to version 9.2.8.20

Added support for the following:

- o Added ABTS (Abort Sequence) handling for passthru (pass through) ELS (Extended Link Services) to prevent FW (firmware) resource leak
- o Updated RISC(Reduced Instruction Set Computer) FW (Firmware) to version 8.07.00 for 8G Adapters
- o Driver always responds to RDP (Read Diagnostic Parameter) with full payload (new version of FW (firmware) will split it into multiple frames if there is no login session)
- o Added new DPORT (Destination Port) diagnostic API (Application Program Interface) interface to return detailed codes
- o Removed Echo only restriction for ELS (Extended Link Services) pass through
- o Added GFO (Get Fabric Object) and LUN (Logical Unit) level QoS (Quality of Service) support
- o Added ELS (Extended Link Services) passthru (pass through) interface

## **Supported Devices and Features**

This driver supports the following HPE adapters:

- o HP StoreFabric SN1100Q 16GB 2-port PCIe Fibre Channel Host Bus Adapter
- o HP StoreFabric SN1100Q 16GB 1-port PCIe Fibre Channel Host Bus Adapter
- o HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- o HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

## **HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver for Windows Server 2016**

Version: 9.2.8.20 (b) (Recommended)

## **Important Note!**

Release Notes:

HPE StoreFabric QLogic Adapters Release Notes

## **Prerequisites**

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

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

## **Fixes**

This driver version resolves the following :

- o Switch name server entry, Port Symbols are displayed with dots at the end
- o Non-descriptive Device name in Windows
- o Request\_Driver\_Plogi(Port Login) Retry Delay
- o Unexpected behavior of FC(Fibre Channel) speed - When transfer sizes above 8MB(MegaByte) are attempted, performance drops to almost zero by making mixed mode (I/O Control Block type 6 and 7) default and used IOCB (I/O Control Block) type 6 when IO(Input Output) size > 128K (> 0x20 segments)

## **Enhancements**

Updated the driver to version 9.2.8.20

Added support for the following:

- o Added ABTS (Abort Sequence) handling for passthru (pass through) ELS (Extended Link Services) to prevent FW (firmware) resource leak
- o Updated RISC(Reduced Instruction Set Computer) FW (Firmware) to version 8.07.00 for 8G Adapters
- o Driver always responds to RDP (Read Diagnostic Parameter) with full payload (new version of FW (firmware) will split it into multiple frames if there is no login session)
- o Added new DPORT (Destination Port) diagnostic API (Application Program Interface) interface to return detailed codes
- o Removed Echo only restriction for ELS (Extended Link Services) pass through
- o Added GFO (Get Fabric Object) and LUN (Logical Unit) level QoS (Quality of Service) support
- o Added ELS (Extended Link Services) passthru (pass through) interface

### **Supported Devices and Features**

This driver supports the following HPE adapters:

- o HP StoreFabric SN1100Q 16GB 2-port PCIe Fibre Channel Host Bus Adapter
- o HP StoreFabric SN1100Q 16GB 1-port PCIe Fibre Channel Host Bus Adapter
- o HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- o HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

## **Red Hat Enterprise Linux 6 Server (x86-64) FC Driver Kit for HPE QLogic and mezzanine Host Bus Adapters**

Version: 8.08.00.08.06.0-k1 (c) (Recommended)

### **Important Note!**

Release Notes

HPE StoreFabric QLogic Adapters Release Notes

Note: 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/>

### **Fixes**

This driver version resolves the following:

- o Spectra Meltdown warning messages during driver update/installation.

### **Enhancements**

Added RedHat Enterprise Linux 6 update 10(RHEL6u10) support

Updated to version 8.08.00.08.06.0-k1

### **Supported Devices and Features**

This driver supports the following HPE adapters:

- o HP StoreFabric SN1100Q 16GB 2-port PCIe Fibre Channel Host Bus Adapter
- o HP StoreFabric SN1100Q 16GB 1-port PCIe Fibre Channel Host Bus Adapter

- o HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- o HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

### **iLO 5 Automatic Server Recovery Driver for Windows Server 2012 R2**

Version: 4.4.0.0 (Optional)

#### **Important Note!**

Installing the iLO 5 Channel Interface Driver, version 4.1.0.0 or earlier, will overwrite this driver. To avoid the overwrite, use version 4.1.0.0(B) or later of the iLO 5 Channel Interface Driver.

#### **Enhancements**

- o The driver now configures the ASR hardware to assert a Non-Maskable Interrupt nine seconds before the hardware timer expires. In the event of an operating system hang, this will force a Windows bugcheck and memory dump. This feature can be enabled and disabled using the new Set-AsrPreTimeoutNMI.ps1 PowerShell script.
- o ASR is no longer used to restart the system after a Windows bugcheck. By default, Windows will automatically reboot after a bugcheck.
- o Changes to the ASR settings are now written to disk immediately.
- o The Get-AsrTimeout.ps1 PowerShell script has been renamed to Get-AsrSettings.ps1.

---

### **iLO 5 Automatic Server Recovery Driver for Windows Server 2016 and Server 2019**

Version: 4.4.0.0 (B) (Optional)

#### **Important Note!**

Installing the iLO 5 Channel Interface Driver, version 4.1.0.0 or earlier, will overwrite this driver. To avoid the overwrite, use version 4.1.0.0(B) or later of the iLO 5 Channel Interface Driver.

---

### **iLO 5 Channel Interface Driver for Windows Server 2016 and Server 2019**

Version: 4.3.0.0 (B) (Optional)

---

### **Matrox G200eH3 Video Controller Driver for Windows Server 2016 and Server 2019**

Version: 9.15.1.218 (Optional)

---

### **HPE Broadcom NX1 Online Firmware Upgrade Utility for Linux x86\_64**

Version: 2.22.3 (Optional)

#### **Important Note!**

HPE recommends HPE Broadcom tg3 Ethernet Drivers, versions 3.137w-3 or later, for use with this firmware.

#### **Prerequisites**

This package requires the appropriate driver for your network adapter be installed and all Ethernet ports brought up (ifup ethX or ifconfig ethX up) before firmware can be updated.

## **Enhancements**

This product now supports Red Hat Enterprise Linux 6 Update 10.

## **Supported Devices and Features**

This product supports the following network adapters:

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

---

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

Version: 1.23.4 (Optional)

### **Important Note!**

HPE recommends HPE Broadcom tg3 Ethernet Drivers for VMware, versions 2018.09.00 or later, for use with this firmware.

This software package contains combo image v20.12.41 with the following firmware versions:

NIC

Boot Code Version

PXE Version

NCSI Version

UEFI Version

CCM Version

HP Ethernet 1Gb 2-port 330i Adapter (22BD)

2.1

20.6.50

1.4.22

20.12.2

212.0.92.0

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

HP Ethernet 1Gb 4-port 331FLR Adapter

HP Ethernet 1Gb 4-port 331T Adapter

1.46

20.6.50

1.4.22

20.12.2

212.0.92.0

HP Ethernet 1Gb 2-port 332i Adapter (22E8)

HP Ethernet 1Gb 2-port 332T Adapter

1.39

20.6.50

1.4.22

20.12.2

212.0.92.0

### **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 vSphere 6.7.

### **Supported Devices and Features**

This product supports the following network adapters:

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

---

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

Version: 5.1.3.6 (Optional)

### **Important Note!**

HPE recommends HPE Broadcom 1Gb Driver for Windows Server x64 Editions, version 212.0.0.0 or later, for use with this firmware.

### **Prerequisites**

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

### **Supported Devices and Features**

This product supports the following network adapters:

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

---

## **HPE Intel Online Firmware Upgrade Utility for Linux x86\_64**

Version: 1.16.0 (Optional)

### **Important Note!**

HPE recommends at least one of the following drivers, as appropriate for your device, for use with this firmware:

- o HPE Intel igb Drivers for Linux, versions 5.3.5.15 or later
- o HPE Intel ixgbe Drivers for Linux , versions 5.3.5.1 or later
- o HPE Intel i40e Drivers for Linux, versions 2.4.6.1 or later

## **Prerequisites**

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

## **Enhancements**

This product now supports Red Hat Enterprise Linux 6 Update 10.

## **Supported Devices and Features**

This package supports the following network adapters:

- o HP Ethernet 1Gb 2-port 361T Adapter
- o HP Ethernet 1Gb 4-port 366FLR Adapter
- o HPE Ethernet 1Gb 4-port 366i Communication Board
- o HP Ethernet 1Gb 4-port 366T Adapter
- o HPE Ethernet 1Gb 4-port 369i Adapter
- o HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 562T Adapter
- o HPE Ethernet 10Gb 2-port 562FLR-T Adapter

---

## **HPE Intel Online Firmware Upgrade Utility for VMware**

Version: 3.9.0 (Optional)

### **Important Note!**

HPE recommends at least one of the following drivers, as appropriate for your device, for use with this firmware:

- o HPE Intel igbn Drivers for VMware, versions 2018.09.00 or later
- o HPE Intel ixgben Drivers for VMware, versions 2018.09.00 or later
- o HPE Intel i40en Drivers for VMware, versions 2018.09.00 or later

This software package contains the following firmware versions for the below listed supported network adapters:

NIC

EEPROM/NVM Version

OROM Version

Single NVM Version

HP Ethernet 1Gb 2-port 361i Adapter

80000CD5

1.1904.0

N/A

HP Ethernet 1Gb 2-port 361T Adapter

80000F91

1.1904.0

N/A

HP Ethernet 1Gb 2-port 363i Adapter  
80000D00  
1.1904.0  
N/A

HP Ethernet 1Gb 1-port 364i Adapter  
80000BEE  
1.1904.0  
N/A

HP Ethernet 1Gb 4-port 366i Adapter  
8E+28  
1.1904.0  
N/A

HPE Ethernet 1Gb 4-port 366i Communication Board  
80000EBF  
1.1904.0  
N/A

HP Ethernet 1Gb 4-port 366FLR Adapter  
80000F44  
1.1904.0  
N/A

HP Ethernet 1Gb 4-port 366M Adapter  
80000DA9  
1.1904.0  
N/A

HP Ethernet 1Gb 4-port 366T Adapter  
8E+85  
1.1904.0  
N/A

HPE Ethernet 1Gb 2-port 368i Adapter  
80001111  
1.1904.0  
N/A

HPE Ethernet 1Gb 2-port 368FLR-MMT Adapter  
80001110  
1.1904.0  
N/A

HPE Ethernet 1Gb 4-port 369i Adapter  
80001112  
1.1904.0  
N/A

HP Ethernet 10Gb 2-port 560FLB Adapter



800008F0  
1.1904.0  
N/A  
HP Ethernet 10Gb 2-port 560FLR-SFP+ Adapter  
80000838  
1.1904.0  
N/A  
HP Ethernet 10Gb 2-port 560M Adapter  
8000083D  
1.1904.0  
N/A  
HPE Ethernet 10Gb 2-port 560SFP+ Adapter  
80000835  
1.1904.0  
N/A  
HP Ethernet 10Gb 2-port 561FLR-T Adapter  
800005B6  
1.1904.0  
N/A  
HP Ethernet 10Gb 2-port 561T Adapter  
80000636  
1.1904.0  
N/A  
HPE Ethernet 10Gb 2-port 568i Adapter  
80001113  
1.1904.0  
N/A  
HPE Ethernet 10Gb 2-port 568FLR-MMSFP+ Adapter  
80001110  
1.1904.0  
N/A  
HPE Ethernet 10Gb 2-port 568FLR-MMT Adapter  
80001110  
1.1904.0  
N/A  
HPE Ethernet 10Gb 2-port 563i Adapter  
800035C0  
1.1375.0  
N/A  
HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter  
800038C9

1.1904.0

10.3.5

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

80000BF1

1.1904.0

10.3.5

HPE Ethernet 10Gb 2-port 562SFP+ Adapter

800038C8

1.1904.0

10.3.5

HPE Ethernet 10Gb 2-port 562T Adapter

80000BF0

1.1904.0

10.3.5

The combo image v1.1904.0 includes: Boot Agent: 1GbE - v1.5.85, 10GbE - v2.4.16, 40GbE - v1.0.66 & UEFI Drivers: 1GbE - v8.3.10, 10GbE - v6.7.10, 40GbE - v3.0.11

The combo image v1.1375.0 includes: Boot Agent: 1GbE - v1.5.72, 10GbE - v2.3.46, 40GbE - v1.0.21 & UEFI Drivers: 1GbE - v6.9.13, 10GbE - v5.0.20, 40GbE - v1.5.14.

Single NVM Version is new firmware format which represent an unified version in place of the previously used EEPROM/NVM Version or OROM version.

### **Prerequisites**

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

### **Enhancements**

This product now supports VMware vSphere 6.7.

### **Supported Devices and Features**

This package supports the following network adapters:

- o HP Ethernet 1Gb 2-port 361T Adapter
- o HP Ethernet 1Gb 4-port 366FLR Adapter
- o HPE Ethernet 1Gb 4-port 366i Communication Board
- o HP Ethernet 1Gb 4-port 366T Adapter
- o HPE Ethernet 1Gb 4-port 369i Adapter
- o HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 562T Adapter
- o HPE Ethernet 10Gb 2-port 562FLR-T Adapter

---

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

Version: 5.1.3.0 (B) (Optional)

### **Important Note!**

HPE recommends at least one of the following, as appropriate for your device, for use with this firmware:

- o HPE Intel E1R Driver for Windows Server 2012, versions 12.14.8.0 or later
- o HPE Intel E1R Driver for Windows Server 2016, version 12.15.184.0(B) or later
- o HPE Intel ixn Driver for Windows Server 2012, versions 3.14.76.0 or later
- o HPE Intel ixn Driver for Windows Server 2016, version 4.1.77.0 or later
- o HPE Intel ixS Driver for Windows Server 2012 R2, version 3.14.75.0 or later
- o HPE Intel ixS Driver for Windows Server 2016, version 4.1.74.0 or later
- o HPE Intel ixt Driver for Windows Server 2012, versions 3.14.76.0 or later
- o HPE Intel ixt Driver for Windows Server 2016, version 4.1.76.0 or later
- o HPE Intel i40ea Driver for Windows, versions 1.8.94.0 or later
- o HPE Intel i40eb Driver for Windows, versions 1.8.94.0 or later

### **Prerequisites**

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

### **Supported Devices and Features**

This package supports the following network adapters:

- o HP Ethernet 1Gb 2-port 361T Adapter
- o HP Ethernet 1Gb 4-port 366FLR Adapter
- o HPE Ethernet 1Gb 4-port 366i Communication Board
- o HP Ethernet 1Gb 4-port 366T Adapter
- o HPE Ethernet 1Gb 4-port 369i Adapter
- o HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 562FLR-T Adapter
- o HPE Ethernet 10Gb 2-port 562SFP+ Adapter
- o HPE Ethernet 10Gb 2-port 562T Adapter

---

### **HPE QLogic NX2 Online Firmware Upgrade Utility for Linux x86\_64**

Version: 2.23.0 (Optional)

### **Important Note!**

HPE recommends HPE QLogic NX2 10/20GbE Multifunction Drivers for Linux, versions 7.14.48-1 or later, for use with the firmware in this package.

### **Prerequisites**

This package requires the appropriate driver for your network adapter be installed and all Ethernet ports brought up (ifup ethX or ifconfig ethX up) before firmware can be updated.

### **Enhancements**

This product now supports Red Hat Enterprise Linux 6 Update 10.

## **Supported Devices and Features**

This product supports the following network adapters:

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

---

## **HPE QLogic NX2 Online Firmware Upgrade Utility for VMware**

Version: 1.23.3 (Optional)

### **Important Note!**

HPE recommends HPE QLogic NX2 10/20GbE Multifunction Drivers for VMware, versions 2018.09.00 or later, for use with this firmware.

This software package contains combo image v7.17.19 with the following firmware versions:

NIC

Boot Code Version

PXE Version

UEFI Version

iSCSI Version

FCoE Version

CCM Version

L2 Version

HP Ethernet 10Gb 2-port 530SFP+ Adapter

HP Ethernet 10Gb 2-port 530T Adapter

7.15.24

7.14.13

8.2.9

n/a

n/a

7.14.4

7.12.25

HP Ethernet 10Gb 2-port 533FLR-T Adapter

HP FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter

HP FlexFabric 10Gb 2-port 534M Adapter

HP FlexFabric 10Gb 2-port 536FLB Adapter

HPE FlexFabric 10Gb 4-port 536FLR-T Adapter

HP FlexFabric 20Gb 2-port 630FLB Adapter

HP FlexFabric 20Gb 2-port 630M Adapter

HP StoreFabric CN1100R Dual Port Converged Network Adapter

HPE StoreFabric CN1100R-T Converged Network Adapter

HPE Synergy 3820C 10/20Gb Converged Network Adapter

HPE Synergy 2820C 10Gb Converged Network Adapter

7.15.24

7.14.13

8.2.9

7.14.0

7.14.3

7.14.4

7.12.25

### **Prerequisites**

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

### **Enhancements**

This product now supports VMware vSphere 6.7.

### **Supported Devices and Features**

This product supports the following network adapters:

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

---

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

Version: 5.1.3.6 (Optional)

### **Important Note!**

HPE recommends HPE QLogic NX2 10/20GbE Multifunction Drivers for Windows Server x64 Editions, version 7.13.155.0 or later, for use with this firmware.

### **Prerequisites**

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

### **Supported Devices and Features**

This product supports the following network adapters:

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

---

## **Online ROM Flash Component for VMware ESXi - MB006000GWBXQ and MB008000GWBYL Drives**

Version: HPG6 (B) (Recommended)

### **Important Note!**

- o Online firmware flashing of drives attached to an HPE Smart Array controller running in Zero Memory (ZM) mode or an HPE ProLiant host bus adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- o Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline

update using the SPP and HP SUM.

#### **Fixes**

- o Corrects some internal diagnostic logging and reporting functions.
- o Streamlines internal buffer management.

---

#### **Online ROM Flash Component for VMware ESXi - MM1000GEFQV and MM2000GEFRA Drives**

Version: HPG8 (B) (Recommended)

#### **Important Note!**

- o Online firmware flashing of drives attached to an HPE Smart Array controller running in Zero Memory (ZM) mode or an HPE ProLiant host bus adapter (HBA) is NOT supported. Only offline firmware flashing of drives is supported for these configurations.
- o Online drive firmware update available for Smart Array Controllers configured in systems running supported Linux, Microsoft Windows, and VMware environments. All other OSes would require an offline update using the SPP and HP SUM.

#### **Fixes**

- o This firmware updates the drive to indicate NDU compliance.

---

#### **Online ROM Flash Component for VMware ESXi - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10**

Version: 1.65 (B) (Recommended)

#### **Important Note!**

Note: If version 1.65 was previously installed, then it is not necessary to upgrade to version 1.65 (B).

#### **Enhancements**

- o Added support for VMware vSphere 6.7 OS

---

#### **Online ROM Flash Component for Windows (x64) - HPE 12Gb/s SAS Expander Firmware for HPE Smart Array Controllers and HPE HBA Controllers**

Version: 4.21 (B) (Optional)

#### **Important Note!**

- Note: If version 4.21 was previously installed, then it is not necessary to upgrade to version 4.21 (B).
- o Power cycle / cold reboot is required if firmware is upgraded from version 1.31 or earlier.

---

#### **Online ROM Flash Component for Windows (x64) - HPE Smart Array P408i-p, P408e-p, P408i-a, P408i-c, E208i-p, E208e-p, E208i-c, E208i-a, P408i-sb, P408e-m, P204i-c, P204i-b, P816i-a and P416ie-m SR Gen10**

Version: 1.65 (B) (Recommended)

#### **Important Note!**

Note: If version 1.65 was previously installed, then it is not necessary to upgrade to version 1.65 (B).

---

## HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Linux (x64)

Version: 2018.09.03 (Recommended)

### **Important Note!**

Release Notes:

HPE StoreFabric Emulex Adapters Release Notes

Beginning with software release 11.2, Fibre Channel (LightPulse) adapters and Converged Network adapters (OneConnect) have independent software kits.

It is highly recommended that you review the Broadcom Software Kit Migration User Guide for more detailed information regarding this change.

To obtain the guide:

1. Go to <http://www.hpe.com/support/manuals>
2. Using the HPE model number as your guide, enter the adapter model number in the Search products box, and then click >>.

This document provides special instructions and considerations for using the driver kits for FC and CNA adapters.

Special cases include those in which pre-11.2 (original) drivers and applications are replaced by the new 11.2 drivers and applications, and cases in which inbox drivers are replaced by the new 11.2 out-of-box (OOB) drivers.

### **Prerequisites**

Firmware updates may be accomplished using the inbox or Out of Box (OOB) drivers. Please consult SPOCK for a list of supported configurations available at the following link:

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

The HPE supplied enablement kit must be installed prior to this firmware component being identified by SUM for deployment.

The OOB driver and enablement kit are available on the Service Pack for ProLiant (SPP) which is available at <http://www.hpe.com/servers/spp/download>.

The Enablement Kit requires that the target environment have the libHBAAPI package installed from your OS installation media.

Install the FC Driver Kit, reboot, and then install the Enablement Kit.

Additional requirements:

Environment must be running the syslog daemon for the flash engine to run

Environment must have 32-bit netlink library (libnl.so) installed for component to be able to discover Emulex Host Bus Adapters(HBAs)

### **Fixes**

Fixed the following:

- o Entries in payload.json which was triggering firmware discovery and flash to be incomplete on HPE SN1200E 16Gb 1port/2port adapter when firmware flash was attempted via OneView, integrated Lights Out(iLO) and UEFI flash mode.

## **Enhancements**

We have separate components to update fibre channel and converged network adapters. This is a fibre channel update component.

Added support to the following:

8G Standup and Mezzanine:

BIOS:

o Fabric assigned Boot Target/Logical Unit (LUN) to Fabric Assigned World Wide Name (FAWWN)

Updated 16/32 Gb HBA/Mezz universal boot

Updated 16Gb HBA/Mezz universal boot

Updated 8Gb HBA/Mezz universal boot

Contains:

16/32 Gb HBA/Mezz universal boot 11.4.334.10

16 Gb HBA/Mezz universal boot 11.4.334.31

8 Gb standup/mezz firmware 2.10X6

8 Gb standup/mezz universal boot image 11.40a13 (11.4.305.0 BIOS, 11.4.344.0 UEFI)

## **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- \* HPE StoreFabric SN1200E 16Gb 2P FC HBA
- \* HPE StoreFabric SN1200E 16Gb 1P FC HBA
- \* HPE StoreFabric SN1600E 32Gb 2p FC HBA
- \* HPE StoreFabric SN1600E 32Gb 1p FC HBA

---

## **HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.5**

Version: 2018.09.03 (Recommended)

### **Important Note!**

Release Notes:

HPE StoreFabric Emulex Adapter Release Notes

Beginning with software release 11.2, Fibre Channel (LightPulse) adapters and Converged Network adapters (OneConnect) have independent software kits.

It is highly recommended that you review the Broadcom Software Kit Migration User Guide for more detailed information regarding this change.

To obtain the guide:

1. Go to <http://www.hpe.com/support/manuals>
2. Using the HPE model number as your guide, enter the adapter model number in the Search products box, and then click >>.

This document provides special instructions and considerations for using the driver kits for FC and CNA adapters.

Special cases include those in which pre-11.2 (original) drivers and applications are replaced by the new 11.2 drivers and applications, and cases in which inbox drivers are replaced by the new 11.2 out-of-box (OOB) drivers.



## **Prerequisites**

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

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

## **Fixes**

Fixed the following:

- o Entries in payload.json which was triggering firmware discovery and flash to be incomplete on HPE SN1200E 16Gb 1port/2port adapter when firmware flash was attempted via OneView, integrated Lights Out(iLO) and UEFI flash mode.

## **Enhancements**

We have separate components to update fibre channel and converged network adapters. This is a fibre channel update component.

Added support to the following:

8G Standup and Mezzanine:

BIOS:

- o Fabric assigned Boot Target/Logical Unit (LUN) to Fabric Assigned World Wide Name(FAWWN)

Updated 16/32 Gb HBA/Mezz universal boot

Updated 16Gb HBA/Mezz universal boot

Updated 8Gb HBA/Mezz universal boot

Contains:

16/32 Gb HBA/Mezz universal boot 11.4.334.10

16 Gb HBA/Mezz universal boot 11.4.334.31

8 Gb standup/mezz firmware 2.10X6

8 Gb standup/mezz universal boot image 11.40a13 (11.4.305.0 BIOS, 11.4.344.0 UEFI)

## **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- \* HPE StoreFabric SN1200E 16Gb 2P FC HBA
- \* HPE StoreFabric SN1200E 16Gb 1P FC HBA
- \* HPE StoreFabric SN1600E 32Gb 2p FC HBA
- \* HPE StoreFabric SN1600E 32Gb 1p FC HBA

---

## **HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for VMware vSphere 6.0**

Version: 2018.09.03 (Recommended)

## **Important Note!**

Release Notes:

HPE StoreFabric Emulex Adapter Release Notes

Beginning with software release 11.2, Fibre Channel (LightPulse) adapters and Converged Network adapters (OneConnect) have independent software kits.

It is highly recommended that you review the Broadcom Software Kit Migration User Guide for more detailed information regarding this change.

To obtain the guide:

1. Go to <http://www.hpe.com/support/manuals>
2. Using the HPE model number as your guide, enter the adapter model number in the Search products box, and then click >>.

This document provides special instructions and considerations for using the driver kits for FC and CNA adapters.

Special cases include those in which pre-11.2 (original) drivers and applications are replaced by the new 11.2 drivers and applications, and cases in which inbox drivers are replaced by the new 11.2 out-of-box (OOB) drivers.

### **Prerequisites**

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

### **Fixes**

Fixed the following:

- o Entries in payload.json which was triggering firmware discovery and flash to be incomplete on HPE SN1200E 16Gb 1port/2port adapter when firmware flash was attempted via OneView, integrated Lights Out(iLO) and UEFI flash mode.

### **Enhancements**

We have separate components to update fibre channel and converged network adapters. This is a fibre channel update component.

Added support to the following:

8G Standup and Mezzanine:

BIOS:

- o Fabric assigned Boot Target/Logical Unit (LUN) to Fabric Assigned World Wide Name (FAWWN)

Updated 16/32 Gb HBA/Mezz universal boot

Updated 16Gb HBA/Mezz universal boot

Updated 8Gb HBA/Mezz universal boot

Contains:

16/32 Gb HBA/Mezz universal boot 11.4.334.10

16 Gb HBA/Mezz universal boot 11.4.334.31

8 Gb standup/mezz firmware 2.10x6

8 Gb standup/mezz universal boot image 11.40a13 (11.4.305.0 BIOS, 11.4.344.0 UEFI)

### **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- \* HPE StoreFabric SN1200E 16Gb 2P FC HBA
- \* HPE StoreFabric SN1200E 16Gb 1P FC HBA
- \* HPE StoreFabric SN1600E 32Gb 2p FC HBA
- \* HPE StoreFabric SN1600E 32Gb 1p FC HBA

---

## HPE Firmware Flash for Emulex Fibre Channel Host Bus Adapters for Windows 2012/2012 R2/2016/2019 x64

Version: 2018.11.01 (Recommended)

### **Important Note!**

Release Notes:

HPE StoreFabric Emulex Adapters Release Notes

Beginning with software release 11.2, Fibre Channel (LightPulse) adapters and Converged Network adapters (OneConnect) have independent software kits.

It is highly recommended that you review the Broadcom Software Kit Migration User Guide for more detailed information regarding this change.

To obtain the guide:

1. Go to <http://www.hpe.com/support/manuals>
2. Using the HPE model number as your guide, enter the adapter model number in the Search products box, and then click >>.

This document provides special instructions and considerations for using the driver kits for FC and CNA adapters.

Special cases include those in which pre-11.2 (original) drivers and applications are replaced by the new 11.2 drivers and applications, and cases in which inbox drivers are replaced by the new 11.2 out-of-box (OOB) drivers.

### **Prerequisites**

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

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

The HPE supplied Emulex driver must be installed prior to this firmware component being identified by SUM for deployment. The OOB driver is available on the Service Pack for ProLiant (SPP) which is available at <http://www.hpe.com/servers/spp/download/>

### **Enhancements**

We have separate components to update fibre channel and converged network adapters. This is a fibre channel update component.

Added support to the following:

8G Standup and Mezzanine:

BIOS:

o Fabric assigned Boot Target/Logical Unit (LUN) to Fabric Assigned World Wide Name (FAWWN)

Updated 16/32 Gb HBA/Mezz universal boot

Updated 16Gb HBA/Mezz universal boot

Updated 8Gb HBA/Mezz universal boot

Contains:

16/32 Gb HBA/Mezz universal boot 11.4.334.10

16 Gb HBA/Mezz universal boot 11.4.334.31

8 Gb standup/mezz firmware 2.10X6

8 Gb standup/mezz universal boot image 11.40a13 (11.4.305.0 BIOS, 11.4.344.0 UEFI)

## **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- \* HPE StoreFabric SN1200E 16Gb 2P FC HBA
- \* HPE StoreFabric SN1200E 16Gb 1P FC HBA
- \* HPE StoreFabric SN1600E 32Gb 2p FC HBA
- \* HPE StoreFabric SN1600E 32Gb 1p FC HBA

---

## **HPE Firmware Online Flash for QLogic Fibre Channel Host Bus Adapters - Windows 2012/2012R2/2016/2019 (x86\_64)**

Version: 2018.11.01 (Recommended)

### **Important Note!**

Release Notes:

HPE StoreFabric 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/>

The OOB driver is available on the Service Pack for ProLiant (SPP) which is available at

<http://www.hpe.com/servers/spp/download>.

### **Fixes**

Fixed the following

8Gb Standup & 8Gb Mezzanine

UEFI

- o Firmware Management Protocol now supports flashing older Multiboot versions.
- o Firmware Management Protocol SetImage no longer displays dots on the screen.
- o The following HII (Human Interface Infrastructure) fields now require a reboot after value change:  
Legacy BIOS (Basic Input Output System) Selectable Boot

16Gb Standup & 16Gb Mezzanine

Firmware

- o Bring up up-link in 32G or 16G optical environment (FEC (Forward Error Correction) only) when connected with remote device that is not setting the SN bit to zero and TC bit to 1 at the same time during the speed negotiation phase and delays transmitting NOS during LQT phase.
- o Dropped FCP\_CMD frame by a virtual port (VP index greater than 0) logged into the fabric via Fabric Login (FLOGI) while the primary adapter port (VP0) was disabled via Global VP (Virtual Port) Options bit 2 of Initialize Multi-ID Firmware MBC (0048h).

UEFI

- o Firmware Management Protocol now supports flashing older Multiboot versions.
- o Firmware Management Protocol SetImage no longer displays dots on the screen.
- o The following HII (Human Interface Infrastructure) fields now require a reboot after value change:  
Fabric Assigned WWPN (World Wide Port Name), Fabric Assigned Boot Logical Unit (LUN), Legacy BIOS

(Basic Input Output System) Selectable Boot.

16Gb/32Gb Standup

Firmware

o Bring up up-link in 32G or 16G optical environment (FEC (Forward Error Correction) only) when connected with remote device that is not setting the SN bit to zero and TC bit to 1 at the same time during the speed negotiation phase and delays transmitting NOS during LQT phase.

UEFI

o Firmware Management Protocol now supports flashing older Multiboot versions.

o Firmware Management Protocol SetImage no longer displays dots on the screen.

o The following HII (Human Interface Infrastructure) fields now require a reboot after value change: FC (Fibre Channel) Tape, Fabric Assigned WWPN (World Wide Port Name), Fabric Assigned Boot LUN (Logical Unit), Legacy BIOS (Basic Input Output System) Selectable Boot.

o Changed Legacy BIOS (Basic Input Output System) Selectable Boot HII (Human Interface Infrastructure) default to Enabled.

## **Enhancements**

Added support for the following:

16Gb Standup & 16Gb Mezzanine

o Power Loss calculation in D\_port (Destination port) operation.

16Gb/32Gb Standup

o Power Loss calculation in D\_port (Destination port) operation.

o Support maximum training timeout for 32Gbps data rate per FC-FS-4 (Fibre Channel Framing and Signaling) specification.

Updated the Firmware/BIOS/UEFI packages for 8 Gb, 16 Gb and 32 Gb products.

o 8 Gb HBA/Mezz

\* Package 3.77.08

\* Firmware 8.07.00

\* UEFI 6.64

\* BIOS 3.56

o 16 Gb HBA/Mezz

\* Package 6.01.59

\* Firmware 8.07.16

\* UEFI 6.63

\* BIOS 3.43

o 16/32 Gb

\* Package 01.70.85

\* Firmware 8.07.18

\* UEFI 6.47

\* BIOS 3.54

## **Supported Devices and Features**

This firmware supports the following HPE adapters:

- o HP StoreFabric SN1100Q 16GB 2-port PCIe Fibre Channel Host Bus Adapter
- o HP StoreFabric SN1100Q 16GB 1-port PCIe Fibre Channel Host Bus Adapter
- o HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- o HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

### **Online Flash Component for Linux - Gen10 NVMe Backplane PIC Firmware**

Version: 1.20 (E) (Optional)

#### **Important Note!**

Note: If the target device was previously updated to firmware version 1.20, it is not necessary to apply firmware update 1.20(E).

#### **Prerequisites**

iLO 5 version 1.10 or later is required.

#### **Enhancements**

- o Added support for SUSE Linux Enterprise Server 15 OS

---

### **Online Flash Component for Windows x64 - Gen10 NVMe Backplane PIC Firmware**

Version: 1.20 (D) (Optional)

#### **Important Note!**

Note: If the target device was previously updated to firmware version 1.20, it is not necessary to apply firmware update 1.20(D).

#### **Prerequisites**

iLO 5 version 1.10 or later is required.

---

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

Version: 5.3.0-0 (Optional)

#### **Prerequisites**

This utility requires the following minimum firmware revisions:

- o Integrated Lights-Out 5 firmware v1.20 or later

The management interface driver and management agents must be installed on the server.

For iLO 5, 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.

#### **Enhancements**

Introduced support for iLO 5 v1.30.

---

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

Version: 5.4.0-0 (Optional)

### **Prerequisites**

This utility requires the following minimum firmware revisions:

- o Integrated Lights-Out 5 firmware v1.20 or later

The management interface driver and management agents must be installed on the server.

For iLO 5, 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**

Fixed an issue where HPONCFG was not able to detect openssl library when both 32-bit and 64-bit openssl are installed.

---

### **HP Lights-Out Online Configuration Utility for Windows x64 Editions**

Version: 5.2.0.0 (A) (Optional)

### **Important Note!**

HPONCFG for Windows Server supports iLO in PRODUCTION/HIGH/FIPS security state only.

### **Prerequisites**

This utility requires the following minimum firmware revisions:

- o Integrated Lights-Out 5 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.

---

### **HPE Management Bundle Smart Component for ESXi 6.0**

Version: 2018.11.01 (Recommended)

### **Fixes**

Agentless Management Service

- o Fixed reporting of HPE Software in the cpqHoSwVer MIB to resolve blank Active versions for installed drivers displayed in SUM.

- o Fixed AMS crash when processing a Link Down/Up Trap for a NIC port that has multiple IPV6 addresses.

---

### **HPE Management Bundle Smart Component for ESXi 6.5**

Version: 2018.11.01 (Recommended)

### **Fixes**

Agentless Management Service

- o Fixed reporting of HPE Software in the cpqHoSwVer MIB to resolve blank Active versions for installed drivers displayed in SUM.

- o Fixed AMS crash when processing a Link Down/Up Trap for a NIC port that has multiple IPV6 addresses.

---

## HPE Smart Array SR Event Notification Service for Windows Server 64-bit Editions

Version: 1.2.0.64 (Recommended)

---

## HPE Emulex Smart SAN Enablement Kit for Linux

Version: 1.0.0.0-4 (b) (Optional)

### **Important Note!**

To obtain the 3PAR Smart SAN User Guide to go the Storage Information Library at the following link:

Storage Information Library

(<http://www.hpe.com/info/storage/docs/>)

By default, HP 3PAR Storage is selected under Products and Solutions.

### **Prerequisites**

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

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

The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The driver is available on the HPE.com website at [www.hpe.com](http://www.hpe.com). Linux FC Driver Kit for HPE Branded Emulex FC HBAs and mezz cards, version 11.1.183.21, for RedHat 6, RedHat 7, and Novell SUSE 11, SUSE 12

However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

### **Enhancements**

Updated to version 1.0.0.0-4 (b)

### **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- \* HPE StoreFabric SN1200E 16Gb 2P FC HBA
- \* HPE StoreFabric SN1200E 16Gb 1P FC HBA
- \* HPE StoreFabric SN1600E 32Gb 2p FC HBA
- \* HPE StoreFabric SN1600E 32Gb 1p FC HBA

---

## HPE Emulex Smart SAN Enablement Kit for Linux

Version: 1.0.0.0-4 (c) (Optional)

### **Important Note!**

To obtain the 3PAR Smart SAN User Guide to go the Storage Information Library at the following link:

Storage Information Library

(<http://www.hpe.com/info/storage/docs/>)

By default, HP 3PAR Storage is selected under Products and Solutions.



## **Prerequisites**

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

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

The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The driver is available on the HPE.com website at [www.hpe.com](http://www.hpe.com). Linux FC Driver Kit for HPE Branded Emulex FC HBAs and mezz cards, version 11.1.183.21, for RedHat 6, RedHat 7, and Novell SUSE 11, SUSE 12

However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

## **Enhancements**

Added support to SuSE Linux Enterprise Server 15

Updated to version 1.0.0.0-4 (c)

## **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

\* HPE StoreFabric SN1200E 16Gb 2P FC HBA

\* HPE StoreFabric SN1200E 16Gb 1P FC HBA

\* HPE StoreFabric SN1600E 32Gb 2p FC HBA

\* HPE StoreFabric SN1600E 32Gb 1p FC HBA

---

## **HPE Emulex Smart SAN Enablement Kit for Windows 64 bit operating systems**

Version: 1.0.0.1 (g) (Optional)

### **Important Note!**

The Smart SAN enablement kit will not execute when an operating system has only the inbox fibre channel driver installed. An out of box (OOB) fibre channel driver is needed to utilize Smart SAN functionality. If any OOB driver is installed, the enablement kit will pre-enable/disable Smart SAN functionality for future use. It can then be activated once a Smart SAN enabled OOB driver is installed (see Prerequisite Notes) and after a reboot has occurred.

To obtain the 3PAR Smart SAN User Guide to go the Storage Information Library at the following link:

Storage Information Library

(<http://www.hpe.com/info/storage/docs/>)

By default, HP 3PAR Storage is selected under Products and Solutions.

## **Prerequisites**

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

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

The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The driver is available on the HPE.com website at [www.hpe.com](http://www.hpe.com).

HPE Storage Fibre Channel Adapter Kit for the x64 Emulex Storport Driver v11.1.145.16 cp030886.exe

However, if a Smart SAN enabled driver is not installed at execution time, the component will land the

enablement kit files for future use after the driver has been installed.

### **Enhancements**

Updated to version 1.0.0.1 (f)

### **Supported Devices and Features**

This component is supported on following Emulex Fibre Channel Host Bus adapters:

- \* HPE StoreFabric SN1200E 16Gb 2P FC HBA
- \* HPE StoreFabric SN1200E 16Gb 1P FC HBA
- \* HPE StoreFabric SN1600E 32Gb 2p FC HBA
- \* HPE StoreFabric SN1600E 32Gb 1p FC HBA

---

### **HPE QLogic Smart SAN enablement kit for Linux**

Version: 3.3-3 (b) (Optional)

### **Important Note!**

To obtain the 3PAR Smart SAN User Guide to go the Storage Information Library at the following link:

Storage Information Library

(<http://www.hpe.com/info/storage/docs/>)

By default, HP 3PAR Storage is selected under Products and Solutions.

### **Prerequisites**

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

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

The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The driver is available on the HPE.com website at [www.hpe.com](http://www.hpe.com).

- \* Red Hat Enterprise Linux 6 Server (x86-64) FCoE/FC Driver Kit for HPE QLogic CNAs, HBAs and mezzanine HBAs, version 8.07.00.42.06.0-k1
- \* Red Hat Enterprise Linux 7 Server FCoE/FC Driver Kit for HPE QLogic CNAs, HBAs and mezzanine HBAs and CNAs, version 8.07.00.42.07.0-k1
- \* SUSE Linux Enterprise Server 11 (AMD64/EM64T) FCoE/FC Driver Kit for HPE QLogic CNAs, HBAs and mezzanine HBAs, version 8.07.00.42.11.3-k
- \* SUSE Linux Enterprise Server 12 FCoE/FC Driver Kit for HPE QLogic CNAs, HBAs and mezzanine HBAs and CNAs version 8.07.00.42.12.0-k1

However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

### **Enhancements**

Updated to version 3.3-3(b)

### **Supported Devices and Features**

This enablement kit is supported on the following HPE adapters:

- \* HP StoreFabric SN1100Q 16GB 2-port PCIe Fibre Channel Host Bus Adapter

- \* HP StoreFabric SN1100Q 16GB 1-port PCIe Fibre Channel Host Bus Adapter
- \* HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- \* HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

## **HPE QLogic Smart SAN enablement kit for Linux**

Version: 3.3-3 (c) (Optional)

### **Important Note!**

To obtain the 3PAR Smart SAN User Guide to go the Storage Information Library at the following link:

Storage Information Library

(<http://www.hpe.com/info/storage/docs/>)

By default, HP 3PAR Storage is selected under

Products and Solutions.

### **Prerequisites**

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

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

The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The driver is available on the HPE.com website at [www.hpe.com](http://www.hpe.com).

\* Red Hat Enterprise Linux 6 Server (x86-64) FCoE/FC Driver Kit for HPE QLogic CNAs, HBAs and mezzanine HBAs, version 8.07.00.42.06.0-k1

\* Red Hat Enterprise Linux 7 Server FCoE/FC Driver Kit for HPE QLogic CNAs, HBAs and mezzanine HBAs and CNAs, version 8.07.00.42.07.0-k1

\* SUSE Linux Enterprise Server 11 (AMD64/EM64T) FCoE/FC Driver Kit for HPE QLogic CNAs, HBAs and mezzanine HBAs, version 8.07.00.42.11.3-k

\* SUSE Linux Enterprise Server 12 FCoE/FC Driver Kit for HPE QLogic CNAs, HBAs and mezzanine HBAs and CNAs version 8.07.00.42.12.0-k1

However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

### **Enhancements**

Added Support to SuSE Linux Enterprise Server 15

Updated to version 3.3-3(c)

### **Supported Devices and Features**

This enablement kit is supported on the following HPE adapters:

- \* HP StoreFabric SN1100Q 16GB 2-port PCIe Fibre Channel Host Bus Adapter
- \* HP StoreFabric SN1100Q 16GB 1-port PCIe Fibre Channel Host Bus Adapter
- \* HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter
- \* HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

## HPE QLogic Smart SAN Enablement Kit for Windows 64 bit operating systems

Version: 1.0.0.1 (f) (Optional)

### **Important Note!**

The Smart SAN enablement kit will not execute when an operating system has only the inbox fibre channel driver installed. An out of box (OOB) fibre channel driver is needed to utilize Smart SAN functionality. If any OOB driver is installed, the enablement kit will pre-enable/disable Smart SAN functionality for future use. It can then be activated once a Smart SAN enabled OOB driver is installed (see Prerequisite Notes) and after a reboot has occurred.

To obtain the 3PAR Smart SAN User Guide to go the Storage Information Library at the following link:

Storage Information Library

(<http://www.hpe.com/info/storage/docs/>)

By default, HP 3PAR Storage is selected under Products and Solutions.

### **Prerequisites**

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

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

The HPE supplied fibre channel driver must be installed prior to this enablement kit component if you want to enable Smart SAN functionality. The driver is available on the HPE.com website at [www.hpe.com](http://www.hpe.com).

- o HPE Storage Fibre Channel Adapter Kit for the x64 QLogic Storport Driver v9.2.2.20, cp031252.exe

- o HPE Storage Fibre Channel Adapter Kit for the QLogic Storport Driver for Windows Server 2012 and 2012 R2 v9.2.2.20, cp031253.exe

- o HPE Storage Fibre Channel Adapter Kit for the QLogic Storport Driver for Windows Server 2016 version 9.2.2.20, cp031251.exe

However, if a Smart SAN enabled driver is not installed at execution time, the component will land the enablement kit files for future use after the driver has been installed.

### **Enhancements**

Updated to version 1.0.0.1 (f)

### **Supported Devices and Features**

This enablement kit is supported on the following HPE adapters:

- o HP StoreFabric SN1100Q 16GB 2-port PCIe Fibre Channel Host Bus Adapter

- o HP StoreFabric SN1100Q 16GB 1-port PCIe Fibre Channel Host Bus Adapter

- o HPE StoreFabric SN1600Q 32Gb Single Port Fibre Channel Host Bus Adapter

- o HPE StoreFabric SN1600Q 32Gb Dual Port Fibre Channel Host Bus Adapter

---

## Agentless Management Service (iLO 5) for Red Hat Enterprise Linux 6 Server

Version: 1.3.2 (Optional)

### **Prerequisites**

- o amsd only supported on HPE ProLiant Gen10 Servers.

- o amsd provides information to the iLO 5 service providing SNMP support.
- o SNMP PASS-THRU on the iLO 5 MUST be disabled, and SNMP should be configured on the iLO 5. The iLO 5 may need to be reset after changing these settings.
- o Requirements:
  - \* Minimum iLO 5 Firmware Version = 1.1
  - \* Minimum supported OS Versions = Red Hat Enterprise Linux 6.9

### **Fixes**

Fixed the following items:

- o Traps for Fibre Channel and Events are now correctly logged to the iLO IML
- o ahslog does not segfault when logging storage volume utilization

## **Agentless Management Service (iLO 5) for Red Hat Enterprise Linux 7 Server**

Version: 1.3.2 (Optional)

### **Prerequisites**

- o amsd only supported on HPE Gen10 Servers.
- o amsd provides information to the iLO 5 service providing SNMP support.
- o SNMP PASS-THRU on the iLO 5 MUST be disabled, and SNMP should be configured on the iLO 5. The iLO 5 may need to be reset after changing these settings.
- o Requirements:
  - \* Minimum iLO 5 Firmware Version = 1.1
  - \* Minimum supported OS Versions = Red Hat Enterprise Linux 7.3 Errata 3.10.0.514.6.1

### **Fixes**

Fixed the following items:

- o Traps for Fibre Channel and Events are now correctly logged to the iLO IML
- o ahslog does not segfault when logging storage volume utilization

## **Agentless Management Service for Windows X64**

Version: 1.30.0.0 (B) (Optional)

### **Important Note!**

About installation and enablement of SMA service:

- o 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.
- o During AMS installation in silent mode, SMA is installed but the service is not enabled.
- o 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"
- o IMPORTANT: The SNMP service community name and permission must be also be setup. This is not

done by "EnableSma.bat".

o 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"

o 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:

o 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%.

### **Prerequisites**

The Channel Interface Driver for Windows X64 must be installed prior to this component.

Microsoft SNMP Service must be enabled, if SMA (System Management Assistant) is enabled.

### **Fixes**

None.

---

## **NVMe Drive Eject NMI Fix for Intel Xeon Processor Scalable Family for Windows**

Version: 1.1.0.0 (C) (Optional)