HPE ProLiant ML310e Gen8 v2 Server - Product Information Reference

Part Number:
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Abstract

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Revision history

Part number	Publication date	Edition	Summary of changes

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Summary

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Product description
What's new

Product description



HPE ProLiant ML310e Gen8 v2, a single-socket 4U tower server, delivers essential availability and expansion needed to accommodate changing business needs. It is ideal for remote sites and corporate branch offices running file/print, web messaging, and small vertical applications or databases.

What's new

- New HDD offering

Standard Models

Subtopics

New RoHS compliant part numbers
Standard models

New RoHS compliant part numbers

To find the latest RoHS compliance information, please use the HPE PartSurfer (**Click here to visit the HPE PartSurfer website**) and click on one of the linked model numbers. When locating RoHS information in PartSurfer, you can use the Options part number for the components, the sales order number for a system that the component is used in, or the Spare part number for a specific part. You can find the sales order numbers and Option part numbers in the Product QuickSpecs.

Standard models

Description	Model Number	Processor	Memory	Config Code	Processor Spare Part Number	Hard Drive	Storage Controller
HP ProLiant ML310e Gen8 v2 i3-4150 1P 2GB-U B120i Non-hot Plug 350 W PS Entry Server	768748-001 **Click here to obtain parts list for this model**.	(1) Intel CoreTM i3-4150 (3.5 GHz/2-core/3MB/54 W, HT) Processor	2GB (1 x 2GB) PC3-12800E DDR3 UDIMM	-	773057-001	None	HP Dynamic Smart Array B120i Controller
HP ProLiant ML310e Gen8 v2 E3-1220v3 1P 4GB-U B120i 350 W PS Server	712329-001 **Click here to obtain parts list for this model**.	(1) Intel Xeon E3-1220 v3 (3.1 GHz/4-core/8 MB/80 W) Processor	4GB (1 x 4GB) PC3-12800E DDR3 UDIMM	-	725282-001	None	HP Dynamic Smart Array B120i Controller
HP ProLiant ML310e Gen8 v2 E3-1241v3 1P 8GB-U B120i 460 W PS Performance Server	768729-001 **Click here to obtain parts list for this model**.	(1) Intel Xeon E3-1241 v3 (3.4 GHz/4-core/8 MB/80 W) Processor	8GB (1 x 8GB) PC3-12800E DDR3 UDIMM	-	773055-001	1 x 500GB HP LFF SATA	HP Dynamic Smart Array B120i Controller

Description	Model Number	Processor	Memory	Config Code	Processor Spare Part Number	Hard Drive	Storage Controller
HP ProLiant ML310e Gen8 v2 Non-hot Plug 4 LFF Configure-to-order Server	722445-B21 **Click here to obtain parts list for this model**.	-	-	-	-	-	-
HP ProLiant ML310e Gen8 v2 Hot Plug 4 LFF Configure-to-order Server	722446-B21 **Click here to obtain parts list for this model**.	-	-	-	-	-	-
HP ProLiant ML310e Gen8 v2 Hot Plug 8 SFF Configure-to-order Server	722447-B21 **Click here to obtain parts list for this model**.	-	-	-	-	-	-

Product features

Feature	Description
Processor(one of the following depending on Model)[1]	**Entry Processors**: • Intel Pentium G3220 (3.0 GHz/2-core/3MB/54 W) • Intel Pentium G3240 (3.1 GHz/2-core/3MB/54 W) **Base Processors**: • Intel CoreTM i3-4130 (3.4 GHz/2-core/3MB/54 W, HT) • Intel CoreTM i3-4130T (2.9 GHz/2-core/3MB/35 W, HT) • Intel Pentium G3240 (3.1 GHz/2-core/3MB/54 W)

Feature	Description
	• Intel Pentium G3240 (3.1 GHz/2-core/3MB/54 W) **Performance Processors**: • Intel Xeon E3-1230Lv3 (1.8 GHz/4-core/8MB/25 W, HT) • Intel Xeon E3-1220v3 (3.1 GHz/4-core/8MB/80 W) • Intel Xeon E3-1230v3 (3.3 GHz/4-core/8MB/80 W, HT) • Intel Xeon E3-1240v3 (3.4 GHz/4-core/8MB/80 W, HT) • Intel Xeon E3-1270v3 (3.5 GHz/4-core/8MB/80 W, HT) • Intel Xeon E3-1231v3 (3.4 GHz/4-core/8MB/80 W, HT) • Intel Xeon E3-1241v3 (3.5 GHz/4-core/8MB/80 W, HT) • Intel Xeon E3-1271v3 (3.6 GHz/4-core/8MB/80 W, HT)
Cache memory(one of the following depending on Model)	• 8MB (1 x 8MB) L3 Cache (For Quad-core Xeon processors). • 3MB (1 x 3MB) L3 Cache (For Dual-core Pentium CoreTM i3 processors).
Chipset	Intel C222 Chipset
Upgradeability	• Upgradeable to 4 cores • Up to 4 DIMM slots available for higher memory capacity • Up to 8 SFF Hard Drive Bays; Or 4 LFF Hard Drive Bays • 1 x8 and 1 x16 PCIe 3.0 (depends on processor) and 1 x8 and 1x4 PCIe 2.0 I/O slots for additional communications and storage expansion • Redundant Power Supply • Optical Drive Bay (up to 2)
On system management processor	HPE iLO (Firmware: HPE iLO4)
Memory protection	ECC

<table>
<tr><th>Feature</th><th>Description</th></tr>
<tr><td>Memory (one of the following depending on model)</td><td>
<table>
<tr><th>Type</th><th>HPE SmartMemory DDR3 Unbuffered (UDIMM)</th></tr>
<tr><td>DIMM Slots Available</td><td>4</td></tr>
<tr><td>Maximum Capacity (UDIMM)</td><td>32GB (4 x 8GB UDIMM @1600 MHz)</td></tr>
</table>
</td></tr>
<tr><td>Network controller</td><td>HPE Ethernet 1Gb 2-port 332i Adapter</td></tr>
<tr><td>Expansion slots</td><td>
<table>
<tr><th>Expansion Slot #</th><th>Technology</th><th>Bus Width [2]</th><th>Connector Width</th><th>Form Factor</th></tr>
<tr><td>4</td><td>PCIe 3.0</td><td>X8</td><td>X16</td><td>Full Length/Full Height</td></tr>
<tr><td>3</td><td>PCIe 3.0</td><td>X8</td><td>X8</td><td>Full Length/Full Height</td></tr>
<tr><td>2</td><td>PCIe 2.0</td><td>X4</td><td>x8</td><td>Full Length/Full Height</td></tr>
<tr><td>1</td><td>PCIe 2.0</td><td>X1</td><td>X4</td><td>Half Length/Full Height</td></tr>
</table>
</td></tr>
<tr><td>Storage controller</td><td>HPE Dynamic Smart Array B120i Controller [3, 4]</td></tr>
<tr><td>Internal storage devices</td><td>
<table>
<tr><th>Optical Drives (One of the following depending on model)</th><th>Hard Drives</th><th>Hard Drive Bays (One of the following depending on model)</th></tr>
<tr><td>HPE Half-Height SATA DVD-ROM Optical Drive</td><td>1x500GB HPE LFF SATA HDD included in Performance Model</td><td>4 LFF drive bays (non-hot-plug and hot-plug)</td></tr>
<tr><td>HPE Half-Height SATA DVD-RW Optical Drive</td><td></td><td>8 SFF hot-plug drive bays</td></tr>
</table>
</td></tr>
</table>

Feature	Description		
Maximum internal storage (one of the following depending on model)	**Hot Plug LFF SAS**	**16TB**	**4 x 4TB**
	Hot Plug SFF SAS	9.6TB	8x 1.2TB
	Non Hot Plug LFF SAS	2.4TB	4 x 600GB
	Hot Plug LFF SATA	16TB	4 x 4TB
	Hot Plug SFF SATA	8TB	8 x 1TB
	Non Hot Plug LFF SATA	12TB	4 x 3TB
	Hot Plug SFF SAS SSD	3.2TB	8 x 400GB
	Hot Plug SFF SATA SSD	6.4TB	8 x 800GB
	Hot Plug LFF SATA SSD	3.2TB	4 x 800GB
Interfaces	**Serial**	**1 (rear)**	
	Video	1 (rear)	
	Network RJ-45 (Ethernet)	2 (1 shared for HPE Integrated Lights-Out)	
	HPE iLO Remote Management Network Port	1Gb Dedicated	
	Micro SD slot [5]	1 (internal)	
	USB [6]	8 (4 front, 2 rear(USB3.0), 1 internal standard USB and 1 internal USB header)	
Industry standard compliance	• ACPI 2.0b Compliant • PCIe 3.0 Compliant • PXE Support		

Feature	Description
	• WOL Support • Microsoft Logo certifications • USB 2.0/3.0 Support
System fans	• One (1) Non-redundant system fan ships standard • One (1) Non-redundant PCIe fan ships standard
Graphics	Integrated Matrox G200 video standard: • 1280 x 1024 (32 b/p) • 1920 x 1200 (16 b/p) HPE iLO 4 On System Management Memory: • 16MB Flash • 256MB DDR 3 with ECC (112MB after ECC and video)
Form factor(one of the following depending on model)	• Micro ATX Tower (4U) chassis with feet/bezel: 14.5 in (36.82 cm) Height x 6.89 in (17.5 cm) Width x 18.71 in (47.52 cm) Length • 8 SFF Drive Bay Cage: 4.6 in (11.72 cm) Height x 5.74 in (14.57 cm) Width x 4.79 in (12.16 cm) Length • 4 LFF Drive Bay Cage: 4.6 in (11.72 cm) Height x 5.74 in (14.57cm) Width x 6.90 in (17.54 cm) Length
On system management	HPE iLO Management Engine • HPE iLO • HPE Agentless Management • HPE Active Health System • HPE Intelligent Provisioning • HPE iLO Mobile App

Feature	Description
HPE insight management	• HPE Insight Control • HPE iLO Advanced • HPE iLO Essentials
Security	• Power-on password • Administrator's password

NOTE:

1: All support up to 1600 MHz DDR3 memory speeds.

2: Indicates the number of physical electrical lanes running to the connector.

3: Supports up to 6.0 Gb/s SATA. (SATA port 0/1 support 6 Gb/s and SATA port 2/3 support 3 Gb/s).

4: Supports RAID 0/1/10 only. No FBWC support. For FBWC, a standup Smart Array Control ler card must be configured.

5: The Micro SD slot is not a hot-pluggable device. Users should not attempt to plug an Mic ro SD card into the Micro SD slot while the server is powered.

6: RHEL 5.9 OS would not be supporting USB 3.0.

Specifications

Subtopics

Physical specifications
Electrical specifications
Environmental specifications
Safety certifications
HP Dynamic Smart Array B120i Controller
HP Ethernet 1Gb 2-port 332i Adapter

Physical specifications

Specification	Description
Dimensions (H x W x D) (With feet/bezel)	36.82 x17.5 x 47.52 cm (14.5.x 6.89 x 18.71 in)
Weight (Approximate)	• Maximum (All hard drives, power supplies, and p rocessors installed) ◦ 18.96 kg (41.8 lb) • Minimum (One hard drive, power supply, and p rocessor installed) ◦ 11.47 kg (25.29 lb)

Electrical specifications

Specification	Description
Rated line voltage	100 to 240 V ac
Rated input current	6 A
Rated input frequency	47 to 63 Hz
Rated input power	• 440 W at 100 V ac input • 440 W at 200 V ac input
BTU rating maximum	**Maximum:** 460 W - 1773 BTU / hr (At 120 V ac), 17 15 (At 240 V ac)
Power supply output (Per power supply)	**Rated Steady-State power** • 350 W (At 100 V ac) • 350 W (At 200 V ac) **Maximum peak power** • 350 W (At 100 V ac)

Specification	Description
	• 350 W (At 200 V ac)

Environmental specifications

Specification	Description
System inlet temperature	Operating: 10° to 35°C (50° to 95°F)[1]
	Non-operating: -30° to 60°C (-22° to 140°F)[2]
Relative humidity (Non-Condensing)	Operating: 10 to 90% relative humidity (Rh), 28°C (8 2.4°F) maximum wet bulb temperature.
	Non-operating: 5 to 95% relative humidity (Rh), 38.7 °C (101.7°F) maximum wet bulb temperature.
Altitude	Operating: 3048 m (10,000 ft). This value may be l imited by the type and number of options installed. Maximum allowable altitude change rate is 457 m/mi n (1500 ft/min).
	Non-operating: 9144 m (30,000 ft). Maximum allo wable altitude change rate is 457 m/min (1500 ft/mi n).
Acoustic noise [3]	Listed are the declared A-Weighted sound power l evels (LWAd) and declared average bystander positi on A-Weighted sound pressure levels (LpAm) when t he product is operating in a 23°C ambient environm ent. Noise emissions were measured in accordance w ith ISO 7779 (ECMA 74) and declared in accordance with ISO 9296 (ECMA 109). • **Idle**: ◦ **LWAd**: 4.0 B ◦ **LpAm**: 26 dB-A • **Operating**: ◦ **LWAd**: 4.0 B

Specification	Description
	◦ **LpAm**: 26 dB-A

NOTE:

1: All temperature ratings shown are at sea level with an altitude derating of 1.0°C per ever y 304.8 m (1.8°F per every 1000 ft) above sea level to a maximum of 3048 m (10,000 ft) , no direct sustained sunlight. Maximum rate of change is 10°C/hr (18°F/hr). The upper limit may be limited by the type and number of options installed. System performance may be re duced if operating with a fan fault or above 30°C (86°F).

2: Maximum rate of change is 20°C/hr (36°F/hr).

3. The Listed sound levels apply to standard shipping configurations. Additional options m ay result in increased sound levels.

Safety certifications

Certifications	Description
FCC rating	Class B
Normative standards	CISPR 22; EN55022; EN55024; FCC CFR 47, Pt 15; ICES-003; CNS13438; GB9254; K22;K24; EN 61000 -3-2; EN 61000-3-3; EN 60950-1; IEC 60950-1

NOTE:

Product conformance to cited product specifications is based on sample (Type) testing, eva luation, or assessment. This product or family of products is eligible to bear the appropriate compliance logos and statements.

HP Dynamic Smart Array B120i Controller

Specification	Description
Dimensions	Embedded
Disk drive and enclosure interface - Transfer rate	Up to 6 Gb/s SATA (Serial ATA)
Connectors	6 internal SATA connectors
Server interface	x4 PCIe 2.0
SATA speed	6 Gb/s SATA links
Cache memory	Zero Memory RAID has no cache memory
Logical drives supported	Up to 8 logical volumes (6 Physical drives)
Host memory addressing	64-Bit, supporting greater than 4GB server memory space
Hot plug support	Yes
RAID support	• RAID 0 (Striping), RAID 1 (Mirroring) • RAID 1+0 (Striping and mirroring)

HP Ethernet 1Gb 2-port 332i Adapter

Specification	Description
Network interface	10Base-T/100Base-TX/1000Base-TX
Compatibility	• IEEE 802.3 10Base-T • IEEE 802.3ab 1000Base-T • IEEE 802.3u 100Base-TX • Energy Efficient Ethernet (EEE) compliant with I EEE Std 802.3az (Default is disabled)
Data transfer method	PCI-e, two lanes (x2)

Specification	Description	
Controller	BCM5720	
Network transfer rate		
	10Base-T (Half-Duplex)	**10 Mb/s per port, 20 Mb/s combined**
	10Base-T (Full-Duplex)	20 Mb/s per port, 40 Mb/s combined
	100Base-TX (Half-Duplex)	100 Mb/s per port, 200 Mb/s combined
	100Base-TX (Full-Duplex)	200 Mb/s per port, 400 Mb/s combined
	1000Base-TX (Half-Duplex)	1000 Mb/s per port, 2000 Mb/s combined
	1000 Base-TX (Full-Duplex)	2000 Mb/s per port, 4000 Mb/s combined
Connector	RJ-45	
Cable support		
	10Base-T	**Categories 3, 4 or 5 UTP; up to 328 ft (100 m)**
	10/100/1000Base-TX	Category 5 or better; up to 328 ft (100 m)

Spare Parts

Subtopics

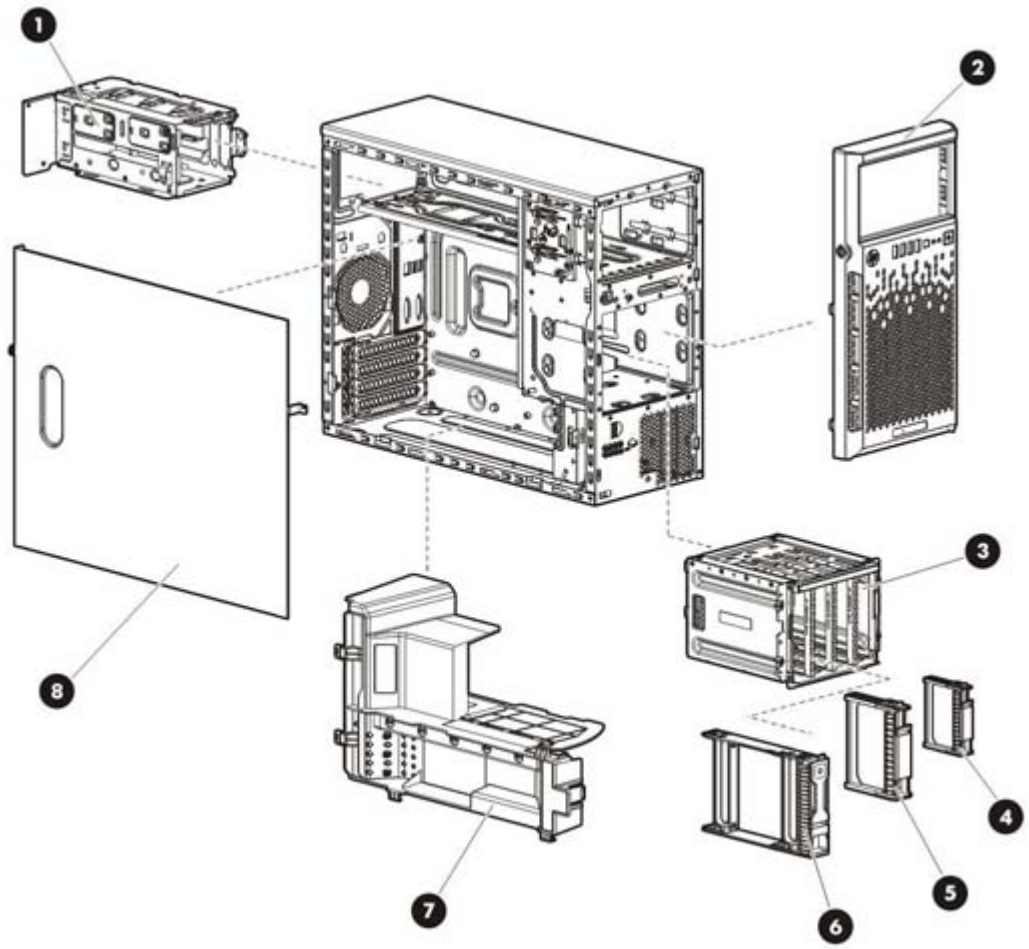
New model specific parts lists
Mechanical components
System components

New model specific parts lists

IMPORTANT: To obtain current part number information for a specific product model, use the Standard Models page for this product family.

- The product Standard Models page now links the model SKU numbers to the spare parts list for each model found on the HP PartSurfer web site. (To report missing or incorrect parts information in PartSurfer, please use the "Contact us" and "Missing or incorrect data" links within the PartSurfer web site utility).
- To look up RoHS-compliant information in PartSurfer, use the component's option part number or the sales order number for a system in which the component is used (available in the QuickSpecs or Standard Models page).

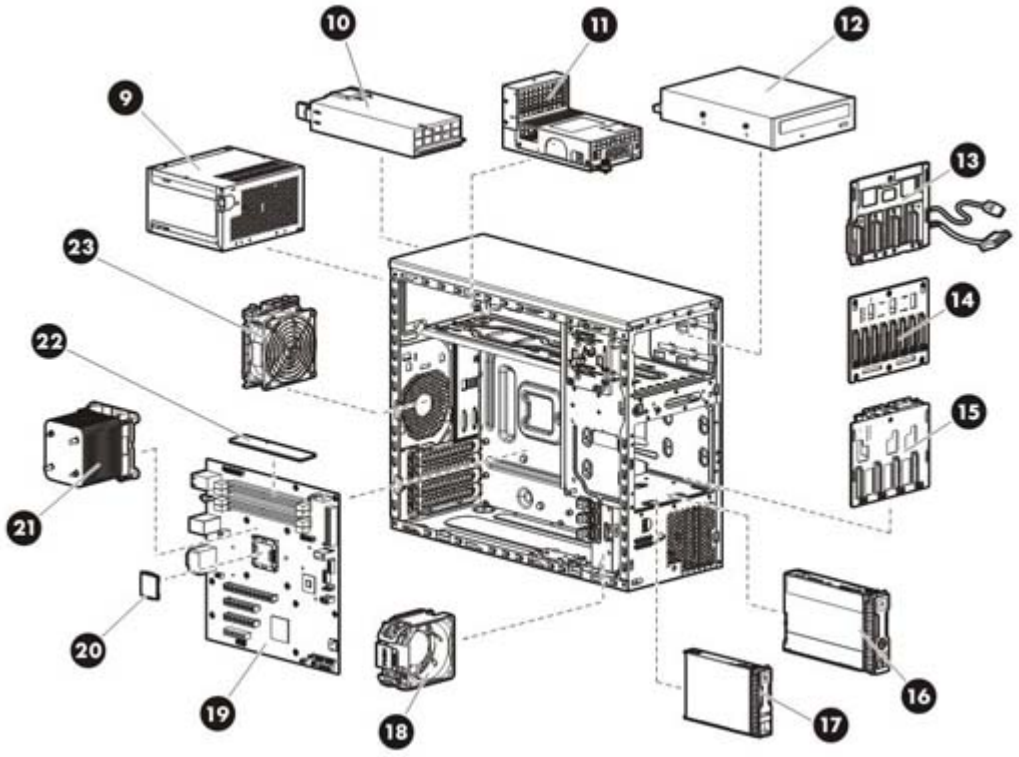
Mechanical components



Item	Description	Spare part number
1	Redundant Power Supply (RPS) cage - Mounts in the left rear of the chassis - For 'redundant enablement option' upgraded servers only	686665-001
2	Front bezel - Locking front cover with bottom louvered hard drive bay cover and cut-out for the removable drive bays - Covers the hot-plug hard drives, and power switch	732343-001
3	**Drive cage**	

Item	Description	Spare part number
a)	4-bay SAS / SATA large form-factor (LFF) hard drive cage assembly - For hot-plug or non-hot-plug drives depending on the backplane board installed	686745-001
b)	8-bay SAS / SATA small form-factor (SFF) hard drive cage assembly - Does not include the backplane board	686753-001
4	Hard drive blank (cover) - To fill empty small form factor (SFF) drive bays	670033-001
5	Hard drive blank (cover) - To fill empty large form factor (LFF) drive bays	675039-001
6	Hard drive blank (carrier) - To fill empty non-hot-plug large form factor (LFF) drive bays	691585-001
7	Airflow baffle assembly - Large translucent plastic baffle structure that mounts over the PCIe slots and on top of the processor heat sink	686752-001
8	Access Panel - Right side cover for the server	726768-001

System components



Item	Description	Spare part number
9	HP 350 W integrated AC power supply - ATX style power supply with multiple outputs - Mounts in the left rear corner of the server	686761-001
10	HP 460 W AC Common Slot (CS) 'Gold' hot-plug power supply - Installs in the computer chassis as primary or redundant supply (92% efficiency) - Requires 100-240 V ac at 50/60 Hz	511777-001
11	Redundant Power System (RPS) backplane module and cable assembly - Mounts on the rear of the redundant power supply cage - For 'redundant enablement option' upgraded servers only	686744-001
12	**Optical drive**	

Item	Description	Spare part number
a)	a) DVD-ROM optical drive (Jack Black color) - SATA interface, half-height	624591-001
b)	b) DVD-RW optical disk drive (Jack Black color) - SATA interface, half-height	624592-001
13	LFF non-hot-plug drive bracket with cable assembly	736861-001
14	8-bay SAS/SATA hot-plug small form factor (SFF) hard drive backplane board - Mounts on the rear of the 8-bay SFF hard drive cage	686759-001
15 16	4-bay large form factor (LFF) non-hot-plug hard drive backplate assembly - Metal plate with slots for the four hard drive SATA connectors	686746-001
	LFF drives (8.89 cm, 3.5 in)	
	Non-hot-plug drives, SATA	
	a) 500GB non-hot-plug SATA hard disk drive - 7,200 RPM, 6 Gb/s transfer rate, 3.5-in large form factor (LFF), Midline	659571-001
	b) 1TB non-hot-plug SATA hard disk drive - 7,200 RPM, 6 Gb/s transfer rate, 3.5-in large form factor (LFF), Midline	659569-001
	c) 2TB non-hot-plug SATA hard disk drive - 7,200 RPM, 6 Gb/s transfer rate, 3.5-in large form factor (LFF), Midline	659570-001
	d) 3TB non-hot-plug SATA hard disk drive - 7,200 RPM, 6 Gb/s transfer rate, 3.5-in large form factor (LFF), Midline	628183-001
	Non-hot-plug drives, SAS	

Item	Description	Spare part number
	a) 450GB non-hot-plug dual-port SAS hard disk drive - 15,000 RPM, 6 Gb/s transfer rate, 3.5-in large form factor (LFF), Enterprise	517353-001
	b) 600GB non-hot-plug dual-port SAS hard disk drive - 15,000 RPM, 6 Gb/s transfer rate, 3.5-in large form factor (LFF), Enterprise	517355-001
	Hot-plug drives, SATA	
	a) 100GB hot-plug Solid State Drive (SSD) - SATA interface, 3 Gb/s transfer rate, 3.5-in large form factor (LFF), Multi-Level Cell (MLC), Enterprise Mainstream, SmartDrive Carrier (SC)	653968-001
	b) 200GB hot-plug Solid State Drive (SSD) - SATA interface, 3 Gb/s transfer rate, 3.5-in large form factor (LFF), Multi-Level Cell (MLC), Enterprise Mainstream, SmartDrive Carrier (SC)	653969-001
	c) 400GB hot-plug Solid State Drive (SSD) - SATA interface, 3 Gb/s transfer rate, 3.5-in large form factor (LFF), Multi-Level Cell (MLC), Enterprise Mainstream, SmartDrive Carrier (SC)	653970-001
	d) 500GB hot-plug SATA hard disk drive - 7,200 RPM, 6 Gb/s transfer rate, 3.5-in large form factor (LFF), midline, SmartDrive Carrier (SC) - Not for use in MSA products	658103-001
	e) 1TB hot-plug SATA hard disk drive - 7,200 RPM, 6 Gb/s transfer rate, 3.5-in large form factor (LFF), Midline, SmartDrive Carrier (SC) - Not for use in MSA products	657739-001
	f) 2TB hot-plug SATA hard disk drive - 7,200 RPM, 6 Gb/s transfer rate, 3.5-in large form factor (LFF)	658102-001

Item	Description	Spare part number
	, midline, SmartDrive carrier (SC) - Not for use in MSA products	
	g) 3TB hot-plug SATA hard disk drive - 7,200 RPM, 6 Gb/s transfer rate, 3.5-in large form factor (LFF), Midline, SmartDrive Carrier (SC) - Not for use in MSA products	628182-001
	Hot-plug drives, SAS	
	a) 450GB hot-plug dual-port SAS hard disk drive - 15,000 RPM, 6 Gb/s transfer rate, 3.5-in large form factor (LFF), Enterprise, SmartDrive Carrier (SC) - Not for use in MSA products	653951-001
	b) 600GB SAS hard disk drive - 15,000 RPM, 6 Gb/s transfer rate, 3.5-in large form factor (LFF), Enterprise, SmartDrive carrier (SC), hot-plug, dual-port (DP)	653952-001
	c) 1TB hot-plug dual-port SAS hard disk drive - 7,200 RPM, 6 Gb/s transfer rate, 3.5-in large form factor (LFF), Midline, SmartDrive Carrier (SC) - Not for use in MSA products	653947-001
	d) 2TB hot-plug dual-port SAS hard disk drive - 7,200 RPM, 6 Gb/s transfer rate, 3.5-in large form factor (LFF), Midline, SmartDrive Carrier (SC) - Not for use in MSA products	653948-001
	e) 3TB hot-plug dual-port SAS hard disk drive - 7,200 RPM, 6 Gb/s transfer rate, 3.5-in large form factor (LFF), Midline, SmartDrive Carrier (SC) - Not for use in MSA products	653959-001
17	**SFF drives (6.35 cm, 2.5 in)**	
	Hot-plug drives, SATA	

Item	Description	Spare part number
	a) 100GB hot-plug Solid State Drive (SSD) - SATA interface, 3 Gb/s transfer rate, 2.5-in small form factor (SFF), Multi-Level Cell (MLC), SmartDrive Carrier (SC)	653965-001
	b) 200GB hot-plug Solid State Drive (SSD) - SATA interface, 3 Gb/s transfer rate, 2.5-in small form factor (SFF), Multi-Level Cell (MLC), SmartDrive Carrier (SC)	653966-001
	c) 400GB hot-plug Solid State Drive (SSD) - SATA interface, 3 Gb/s transfer rate, 2.5-in small form factor (SFF), Multi-Level Cell (MLC), SmartDrive Carrier (SC)	653967-001
	d) 500GB hot-plug SATA hard disk drive - 7,200 RPM, 6 Gb/s transfer rate, 2.5-in small form factor (SFF), Midline, SmartDrive Carrier (SC)	656107-001
	e) 1TB hot-plug SATA hard disk drive - 7,200 RPM, 6 Gb/s transfer rate, 2.5-in small form factor (SFF), Midline, SmartDrive Carrier (SC) - Not for use in MSA products	656108-001
	Hot-plug drives, SAS	
	a) 146GB hot-plug dual-port SAS hard disk drive - 15,000 RPM, 6 Gb/s transfer rate, 2.5-in small form factor (SFF), Enterprise, SmartDrive Carrier (SC) - Not for use in MSA products	653950-001
	b) 200GB hot-plug Solid State Drive (SSD) - SAS interface, 6 Gb/s transfer rate, 2.5-in small form factor (SFF), Single-Level Cell (SLC), SmartDrive Carrier (SC)	653961-001
	c) 300GB hot-plug dual-port SAS hard disk drive - 10,000 RPM, 6 Gb/s transfer rate, 2.5-in small form factor (SFF), Enterprise, SmartD	653955-001

Item	Description	Spare part number
	rive Carrier (SC) - Not for use in M SA products	
	d) 300GB hot-plug dual-port SAS hard disk drive - 15,000 RPM, 6 Gb/s transfer rate, 2.5-in small for m factor (SFF), Enterprise, SmartD rive Carrier (SC) - Not for use in M SA products	653960-001
	e) 400GB hot-plug Solid State Dri ve (SSD) - SAS interface, 6 Gb/s tra nsfer rate, 2.5-in small form factor (SFF), Single-Level Cell (SLC), Sma rtDrive Carrier (SC)	653962-001
	f) 450GB hot-plug dual-port SAS hard disk drive - 10,000 RPM, 6 G b/ss transfer rate, 2.5-in small for m factor (SFF), Enterprise, SmartD rive Carrier (SC) - Not for use in M SA products	653956-001
	g) 500GB hot-plug dual-port SAS hard disk drive - 7,200 RPM, 6 G b/s transfer rate, 2.5-in small form factor (SFF), Midline, SmartDrive C arrier (SC) - Not for use in MSA p roducts	653953-001
	h) 600GB hot-plug dual-port SAS hard disk drive - 10,000 RPM, 6 Gb/s transfer rate, 2.5-in small for m factor (SFF), Enterprise, SmartD rive Carrier (SC) - Not for use in M SA products	653957-001
	i) 800GB hot-plug Solid State Dri ve (SSD) - SAS interface, 6 Gb/s tra nsfer rate, 2.5-in small form factor (SFF), Multi-Level Cell (MLC), Sma rtDrive Carrier (SC)	653964-001
	j) 900GB hot-plug dual-port SAS hard disk drive - 10,000 RPM, 6 Gb/s transfer rate, 2.5-in small for m factor (SFF), Enterprise, SmartD	653971-001

Item	Description	Spare part number
	rive Carrier (SC) - Not for use in M SA products	
	k) 1TB hot-plug dual-port SAS ha rd disk drive - 7,200 RPM, 6 Gb/s transfer rate, 2.5-in small form fa ctor (SFF), Midline, SmartDrive Car rier (SC) - Not for use in MSA prod ucts	653954-001
18	Front system (PCI boards) fan asse mbly - 80 mm (3.14 in) x 80 mm (3.14 in) x 3 8mm (1.5 in) - Includ es the fan, blue retainer carrier, an d cable assembly	686749-001
19	System I/O board (motherboard) - Includes subpan, thermal grease, a nd alcohol pad	726766-001
20	**Processors**	
a)	Intel Xeon E3-1220 v3 Quad-Core 64-bit processor - 3.10 GHz (Has well, 8MB Level-3 cache, Direct Me dia Interface (DMI) speed 5.0 GT/s, 45 W thermal design power (TDP) , FCLGA 1150-pin socket)	725282-001
b)	Intel Xeon E3-1230 v3 Quad-Core 64-bit processor - 3.30 GHz (Has well, 8MB Level-3 cache, Direct Me dia Interface (DMI) speed 5.0 GT/s, 80 W thermal design power (TDP) , FCLGA 1150-pin socket)	725283-001
c)	Intel Xeon E3-1240 v3 Quad-Core 64-bit processor - 3.40 GHz (Has well, 8MB Level-3 cache, Direct Me dia Interface (DMI) speed 5.0 GT/s, 80 W thermal design power (TDP) , FCLGA 1150-pin socket)	725284-001
d)	Intel Xeon E3-1270 v3 Quad-Core 64-bit processor - 3.50 GHz (Has well, 8MB Level-3 cache, Direct Me dia Interface (DMI) speed 5.0 GT/s,	725285-001

Item	Description	Spare part number
	80 W thermal design power (TDP) , FCLGA 1150-pin socket)	
e)	Intel Xeon E3-1230L v3 Quad-Core 64-bit low-power processor - 1 .80 GHz (Haswell, 8MB Level-3 cache, Direct Media Interface (DMI) speed 5.0 GT/s, 25 W thermal design power (TDP), FCLGA 1150-pin socket)	726769-001
f)	Intel Core i3-4130T Dual-Core 64-bit low-power processor - 2.90 GHz (Haswell, 3MB Level-3 cache, Direct Media Interface (DMI) speed 5.0 GT/s, 35 W thermal design power (TDP), FCLGA 1150-pin socket)	741663-001
g)	Intel Pentium G3220 Dual-Core 64-bit processor - 3.00 GHz (Haswell, 3MB Level-3 cache, Direct Media Interface (DMI) speed 5.0 GT/s, 53 W thermal design power (TDP), FC LGA 1150-pin socket)	741661-001
h)	Intel Core i3-4130 Dual-Core 64-bit processor - 3.40 GHz (Haswell, 3MB Level-3 cache, Direct Media I nterface (DMI) speed 5.0 GT/s, 54 W thermal design power (TDP), FC LGA 1150-pin socket)	741662-001
21	Screw down type heatsink assembly - Screws to studs on the system I /O board	686741-001
22	**DIMMs**	
	a) 2GB, 1600 MHz, PC3-12800E-11, DDR3, single-rank x8, 1.50 V, unbuffered with ECC dual in-line memory module (UDIMM)	684033-001
	b) 2GB, 1333 MHz, PC3L-10600E-9, DDR3, single-rank x8, 1.35 V, unbuffered with ECC dual in-line memory module (UDIMM)	664694-001

Item	Description	Spare part number
	c) 4GB, 1600 MHz, PC3-12800E-11, DDR3, dual-rank x8, 1.50 V, unbuffered with ECC dual in-line memory module (UDIMM)	684034-001
	d) 4GB, 1333 MHz, PC3L-10600E-9, DDR3, dual-rank x8, 1.35 V, unbuffered with ECC dual in-line memory module (UDIMM)	664695-001
	e) 8GB, 1600 MHz, PC3-12800E-11, DDR3, dual-rank x8, 1.50 V, unbuffered with ECC dual in-line memory module (UDIMM)	684035-001
	f) 8GB, 1333 MHz, PC3L-10600E-9, DDR3, dual-rank x8, 1.35 V, unbuffered with ECC dual in-line memory module (UDIMM)	664696-001
	g) 2GB, 1600 MHz, PC3L-12800E-11, DDR3, single-rank x8, 1.35 V, unbuffered with ECC dual in-line memory module (UDIMM)	715279-001
	h) 4GB, 1600 MHz, PC3L-12800E-11, DDR3, single-rank x8, 1.35 V, unbuffered with ECC dual in-line memory module (UDIMM)	715280-001
	i) 8GB, 1600 MHz, PC3L-12800E-11, DDR3, Dual-Rank x8, 1.35 V, Unbuffered with ECC Dual In-Line Memory Module (UDIMM)	715281-001
	4GB, 1600 MHz, PC3L-12800E-11, DDR3L, single-rank x4, 1.35V, CAS-11, Unbuffered, dual in-line memory module (UDIMM)	823810-001
	4GB, dual-rank x8 PC3-12800E-11	664034-001
23	Rear system (processor) fan assembly - 92 mm (3.62 in) x 92 mm (3.62 in) x 32 mm (1.26 in) - Includes the fan, blue retainer carrier, and cable assembly	686748-001

Item	Description	Spare part number
24	Front I/O module assembly - Includes the four front USB connectors, power button, status LEDs, and interconnecting cables	691939-001
	Cables	
25	8-pin to 4-pin power adapter cable - Connects between the optional 'redundant power supply' module and the processor power connector on the system I/O board	686755-001
26	Mini-SAS cable assembly - Straight mini-SAS to straight mini-SAS, 6 Gb/s transfer rate, 500 mm (19.7 in) long - Connects between the hard drive backplane board and the SAS controller	647756-001
27	Mini-SAS to SATA cable assembly - One mini-SAS connector to four SATA connectors - The four SATA connectors mount on the rear of the large form factor (LFF) non-hot-plug drive cage plate	686747-001
28	Temperature sensor cable - Plugs into the system I/O board	460423-001
29	Intel Xeon E3-1241 v3 processor - 3.50 GHz, 8MB cache, 80 W thermal design power (TDP), socket FC LGA1150	773055-001

Option Parts

Subtopics

New model specific parts lists
HP processors
HP memory
HP power supplies

HP insight software
HP unique options
HP drive cage options
HP optical drives
HP Hard Drives
HP networking
HP security
HP storage controllers
HP tape backup
HP disk backup
HP uninterruptible power systems
HP basic power distribution units
HP remote monitoring power distribution units
HP intelligent Power Distribution Units (iPDU)
HP power distribution units
HP rack series
HP rack options
HP USB and SD options
HP Care Pack services

New model specific parts lists

IMPORTANT: To obtain current part number information for a specific product model, use the Standard Models page for this product family.

- The product Standard Models page now links the model SKU numbers to the spare parts list for each model found on the HP PartSurfer web site. (To report missing or incorrect parts information in PartSurfer, please use the "Contact us" and "Missing or incorrect data" links within the PartSurfer web site utility.)
- To look up RoHS-compliant information in PartSurfer, use the component?s option part number or the sales order number for a system in which the component is used (available in the QuickSpecs or Standard Models page).

HP processors

Description	Option Part Number
Entry Processors [1]	

Description	Option Part Number
HP ML310e Gen8 v2 Intel Pentium G3220 (3.0 GHz/2-core/3MB/54 W) FIO Processor Kit	740647-L21
HP ML310e Gen8 v2 Intel Pentium G3240 (3.1 GHz/2-core/3MB/54 W) FIO Processor Kit	767102-L21
HP ML310e Gen8 v2 Intel Core i3-4150 (3.5 GHz/2-core/3MB/54 W) FIO Processor Kit	767100-L21
HP ML310e Gen8 v2 Intel Core i3-4150T (3 GHz/2-core/3MB/35 W) FIO Processor Kit	767101-L21
Base Processors [2]	
HP ML310e Gen8 v2 Intel Core i3-4130 (3.4 GHz/2-core/3MB/54 W) FIO Processor Kit	740651-L21
HP ML310e Gen8 v2 Intel Core i3-4130T (2.9 GHz/2-core/3MB/35 W) FIO Processor Kit	740653-L21
Performance Processors [2]	
HP ML310e Gen8 v2 Intel Xeon E3-1230Lv3 (1.8 GHz/4-core/8MB/25 W) FIO Processor Kit	740649-L21
HP ML310e Gen8 v2 Intel Xeon E3-1220v3 (3.1 GHz/4-core/8MB/80 W) FIO Processor Kit	723935-L21
HP ML310e Gen8 v2 Intel Xeon E3-1231v3 (3.4 GHz/4-core/8MB/80 W) FIO Processor Kit	767097-L21
HP ML310e Gen8 v2 Intel Xeon E3-1241v3 (3.5 GHz/4-core/8MB/80 W) FIO Processor Kit	767098-L21
HP ML310e Gen8 v2 Intel Xeon E3-1230v3 (3.3 GHz/4-core/8MB/80 W) FIO Processor Kit	723937-L21
HP ML310e Gen8 v2 Intel Xeon E3-1271v3 (3.6 GHz/4-core/8MB/80 W) FIO Processor Kit	767099-L21
HP ML310e Gen8 v2 Intel Xeon E3-1240v3 (3.4 GHz/4-core/8MB/80 W) FIO Processor Kit	723927-L21
HP ML310e Gen8 v2 Intel Xeon E3-1270v3 (3.5 GHz/4-core/8MB/80 W) FIO Processor Kit	723929-L21

NOTE:

1. All support up to 1333 MT/s DDR3 memory speeds.

Description	Option Part Number

2. All support up to 1600 MT/s DDR3 memory speeds.

HP memory

Description	Option Part Number
Unbuffered with ECC DIMMs (UDIMMs)	
HP 2GB (1x2GB) Single Rank x8 PC3-12800E (DDR 3-1600) Unbuffered CAS-11 Memory Kit	669320-B21
HP 2GB (1x2GB) Single Rank x8 PC3L-10600E (DD R3-1333) Unbuffered CAS-9 Low Voltage Memory K it	647905-B21
HP 2GB (1x2GB) Single Rank x8 PC3L-12800E (DD R3-1600) Unbuffered CAS-11 Low Voltage Memory Kit	713975-B21
HP 4GB (1x4GB) Dual Rank x8 PC3-12800E (DDR3 -1600) Unbuffered CAS-11 Memory Kit	669322-B21
HP 4GB (1x4GB) Dual Rank x8 PC3L-10600E (DDR 3-1333) Unbuffered CAS-9 Low Voltage Memory Kit	647907-B21
HP 4GB (1x4GB) Dual Rank x8 PC3L-12800E (DDR 3-1600) Unbuffered CAS-11 Low Voltage Memory K it	713977-B21
HP 8GB (1x8GB) Dual Rank x8 PC3-12800E (DDR3 -1600) Unbuffered CAS-11 Memory Kit	669324-B21
HP 8GB (1x8GB) Dual Rank x8 PC3L-10600E (DDR 3-1333) Unbuffered CAS-9 Low Voltage Memory Kit	647909-B21
HP 8GB (1x8GB) Dual Rank x8 PC3L-12800E (DDR 3-1600) Unbuffered CAS-11 Low Voltage Memory K it	713979-B21
HPE 4GB (1x4GB) Single Rank x4 PC3-12800E (DD R3-1600) Unbuffered CAS-11 Memory Kit	820077-B21

HP power supplies

Description	Option Part Number
HP 350 W Factory Integrated Power Supply Kit	674838-B21
HP Common Slot Gold Power Supplies [1]	
HP 460 W Common Slot Gold Hot Plug Power Supply Kit	503296-B21
Enablement Kit	
HP 4U Redundant Power Supply Enablement Kit [2]	675843-B21

NOTE:

Mixing of power supplies in the same server is not supported. All power supplies inside a server must be exactly the same model. Mixing Gold, Platinum, and Platinum Plus certified power supplies is not supported.

Prior to making a power supply selection it is highly recommended that the HP Power Advisor is run to determine the right size power supply for your server configuration.

1. The following Power Supplies offer 92% Efficiency.

2. The HP 4U Redundant Power Supply Enablement Kit (675843-B21) must be installed when using HP Common Slot power supplies.

HP insight software

Description	Option Part Number
HP Insight Control including 1 yr 24x7 Support ProLiant ML/DL/BL-bundle Single Server FIO License	C6N36A
HP Insight Control [1]	

Description	Option Part Number
HP Insight Control including 1 yr 24x7 Technical Support and Updates Single Server License	C6N27A
HP Insight Control including 1 yr 24x7 Technical Support and Updates Electronic License	C6N28ABE
HP Insight Control Server Provisioning Media Kit	BD883A
HP Insight Management Media Kit	C6N31A
HP Insight Control including 1 yr 24x7 Support ProLiant ML/DL/BL-bundle FIO Electronic License	C6N36ABE
HP Insight Control Server Deployment including 1 yr 24x7 Support Electronic License	T9082AAE
HP Insight Control Server Deployment including 1 yr 24x7 Support Single Server License	452151-B21
HP Integrated Lights-Out (iLO) [2]	
HP iLO Essentials	
HP Integrated Lights-Out Essentials including 3 yr 24x7 Tech Support and Updates E-LTU	E6U61ABE
HP Integrated Lights-Out Essentials including 1 yr 24x7 Tech Support and Updates E-LTU	E6U62ABE
HP Integrated Lights-Out Essentials including 3 yr 24x7 Tech Support and Updates Single Svr License	BD774A
HP Integrated Lights-Out Essentials including 1 yr 24x7 Tech Support and Updates Single Svr License	BD775A
HP Integrated Lights-Out (iLO) Advanced for ProLiant	
HP iLO Advanced including 1 yr 24x7 Technical Support and Updates Electronic License	E6U59ABE
HP iLO Advanced including 3 yr 24x7 Tech Support and Updates Electronic License	E6U64ABE
HP iLO Advanced including 1 yr 24x7 Technical Support and Updates Single Server License	512485-B21

Description	Option Part Number
HP iLO Advanced 1 Server License with 3 yr 24x7 Tech Support and Updates	BD505A
HP iLO Advanced Flexible Qty License with 3 yr 24x 7 Tech Support and Updates	BD506A
HP iLO Advanced Tracking License with 3 yr 24x7 Tech Support and Updates	BD507A
HP iLO Advanced including 1 yr 24x7 Technical Sup port and Updates Flexible Quantity License	512486-B21
HP iLO Advanced including 1 yr 24x7 Technical Sup port and Updates Tracking License	512487-B21
HPE Cluster Management Utility	
HPE Insight Cluster Management Utility Media	BD477A
HPE Insight Cluster Management Utility 3 yr 24x7 Fl exible LTU	BD476A
HPE Insight Cluster Management Utility 1 yr 24x7 Fl exible LTU	QL803B

NOTE:

Some options may not be integrated at the factory. To ensure only valid configurations are o rdered, HP recommends the use of an HP approved configurator. Contact your local sales re presentative for additional information.

1. Electronic and Flexible-Quantity licenses can be used to purchase multiple licenses with a single activation key.Customer will receive a license entitlement certificate. The license ent itlement certificate must be redeemed online or via fax in order to obtain the license activati on key(s). Includes one year of 24 x 7 HP Software Technical Support and Update Service.Li censes ship without media. The HP Insight Control Media Kit can be ordered separately.

HP unique options

Description	Option Part Number
HP 4U 8 Small Form Factor Hot Plug Hard Drive Cag e Kit	674841-B21

Description	Option Part Number
HP 4U 4 Large Form Factor Hot Plug Hard Drive Backplane Kit	674839-B21

HP drive cage options

Description	Option Part Number
HP 4U 4 Large Form Factor Hot Plug Hard Drive Backplane Kit [1]	674839-B21
HP 4U 8 Small Form Factor Hot Plug Hard Drive Cage Kit [2]	674841-B21

NOTE:

1. The LFF Kit is a backplane kit designed for going from NHP LFF to hot-plug LFF.

2. The SFF Kit is the cage plus backplane and designed to convert from any LFF configuration to SFF.

HP optical drives

Description	Option Part Number
HP Half-Height SATA DVD ROM JackBlack Optical Drive	624189-B21
HP Half-Height SATA DVD RW JackBlack Optical Drive	624192-B21

HP Hard Drives

Description	Option Part Number
SAS Hot Plug with SmartDrive SFF (2.5 in) Enterprise Drives [1]	
HP 1.2TB 6G SAS 10K rpm SFF (2.5 in) SC Enterprise 3 yr Warranty Hard Drive	697574-B21
HP 1.2TB 6G SAS 10K rpm SFF (2.5 in) SC Dual Port Enterprise 3 yr Warranty HardDrive	718162-B21
HP 900GB 6G SAS 10K rpm SFF (2.5 in) SC Enterprise 3 yr Warranty Hard Drive	652589-B21
HP 600GB 6G SAS 10K rpm SFF (2.5 in) SC Enterprise 3 yr Warranty Hard Drive	652583-B21
HP 450GB 6G SAS 10K rpm SFF (2.5 in) SC Enterprise 3 yr Warranty Hard Drive	652572-B21
HP 300GB 6G SAS 10K rpm SFF (2.5 in) SC Enterprise 3 yr Warranty Hard Drive	652564-B21
HP 300GB 6G SAS 15K rpm SFF (2.5 in) SC Enterprise 3 yr Warranty Hard Drive	652611-B21
HP 146GB 6G SAS 15K rpm SFF (2.5 in) SC Enterprise 3 yr Warranty Hard Drive	652605-B21
SAS Hot Plug SmartDrive SFF (2.5 in) Midline Drives [1]	
HP 1TB 6G SAS 7.2K rpm SFF (2.5 in) SC Midline 1 yr Warranty Hard Drive	652749-B21
HP 500GB 6G SAS 7.2K rpm SFF (2.5 in) SC Midline 1 yr Warranty Hard Drive	652745-B21
SAS Hot Plug SmartDrive LFF (3.5 in) Enterprise Drives [1]	
HP 600GB 6G SAS 15K rpm LFF (3.5 in) SC Enterprise 3 yr Warranty Hard Drive	652620-B21
HP 450GB 6G SAS 15K rpm LFF (3.5 in) SC Enterprise 3 yr Warranty Hard Drive	652615-B21
SAS Hot Plug SmartDrive LFF (3.5 in) Midline Drives [1]	

Description	Option Part Number
HP 6TB 6G SAS 7.2K rpm LFF (3.5 in) SC Midline 1 yr Warranty Hard Drive	761477-B21
HP 4TB 6G SAS 7.2K rpm LFF (3.5 in) SC Midline 1 yr Warranty Hard Drive	695510-B21
HP 3TB 6G SAS 7.2K rpm LFF (3.5 in) SC Midline 1 yr Warranty Hard Drive	652766-B21
HP 2TB 6G SAS 7.2K rpm LFF (3.5 in) SC Midline 1 yr Warranty Hard Drive	652757-B21
HP 1TB 6G SAS 7.2K rpm LFF (3.5 in) SC Midline 1 yr Warranty Hard Drive	652753-B21
12G SAS Hot Plug SFF (2.5 in) Midline (MDL) Drives	
HPE 1TB SAS 12G Midline 7.2K SFF (2.5 in) SC 1 yr Wty Digitally Signed Firmware HDD	832514-B21
12G SAS SFF (2.5 in) RI-3 SC Solid State Drives	
HPE 3.84TB SAS 12G Read Intensive SFF (2.5 in) SC 3 yr Wty SSD	816576-B21
HPE 1.92TB SAS 12G Read Intensive SFF (2.5 in) SC 3 yr Wty SSD	816572-B21
HPE 960GB SAS 12G Read Intensive SFF (2.5 in) SC 3 yr Wty SSD	816568-B21
HPE 480GB SAS 12G Read Intensive SFF (2.5 in) SC 3 yr Wty SSD	816562-B21
12G SAS SFF (2.5 in) MU-3 SC Solid State Drives	
HPE 3.2TB SAS 12G Mixed Use SFF (2.5 in) SC 3 yr Wty SSD	822567-B21
HPE 1.6TB SAS 12G Mixed Use SFF (2.5 in) SC 3 yr Wty SSD	822563-B21
HPE 800GB SAS 12G Mixed Use SFF (2.5 in) SC 3 yr Wty SSD	822559-B21
HPE 400GB SAS 12G Mixed Use SFF (2.5 in) SC 3 yr Wty SSD	822555-B21
6G SATA 2.5 in SFF RI-3 SC Solid State Drives	
HPE 3.84TB SATA 6G Read Intensive SFF (2.5 in) SC 3 yr Wty SSD	816929-B21
HPE 1.92TB SATA 6G Read Intensive SFF (2.5 in) SC 3 yr Wty SSD	816919-B21

Description	Option Part Number
HPE 960GB SATA 6G Read Intensive SFF (2.5 in) SC 3 yr Wty SSD	816909-B21
HPE 480GB SATA 6G Read Intensive SFF (2.5 in) SC 3 yr Wty SSD	816899-B21
HPE 240GB SATA 6G Read Intensive SFF (2.5 in) SC 3 yr Wty SSD	816889-B21
HPE 120GB SATA 6G Read Intensive SFF (2.5 in) SC 3 yr Wty SSD	816879-B21
6G SATA 2.5 in SFF MU-3 SC Solid State Drives	
HPE 1.92TB SATA 6G Mixed Use SFF (2.5 in) SC 3 yr Wty SSD	817011-B21
HPE 960GB SATA 6G Mixed Use SFF (2.5 in) SC 3 yr Wty SSD	816995-B21
HPE 480GB SATA 6G Mixed Use SFF (2.5 in) SC 3 yr Wty SSD	816985-B21
HPE 240GB SATA 6G Mixed Use SFF (2.5 in) SC 3 yr Wty SSD	816975-B21
HPE 120GB SATA 6G Mixed Use SFF (2.5 in) SC 3 yr Wty SSD	816965-B21
SAS Non-Hot Plug LFF (3.5 in) Enterprise (ENT) Drives [1]	
HP 600GB 6G SAS 15K rpm LFF (3.5 in) Non-hot Plug Dual Port Enterprise 3 yr Warranty Hard Drive	516830-B21
HP 450GB 6G SAS 15K rpm LFF (3.5 in) Non-hot Plug Dual Port Enterprise 3 yr Warranty Hard Drive	516826-B21
12G SAS Hot Plug with SmartDrive SFF (2.5 in) Enterprise Drives	
HPE 600GB SAS 12G Enterprise 15K SFF (2.5 in) SC 3 yr Wty HDD	759212-B21
HPE 450GB SAS 12G Enterprise 15K SFF (2.5 in) SC 3 yr Wty HDD	759210-B21
HPE 300GB SAS 12G Enterprise 15K SFF (2.5 in) SC 3 yr Wty HDD	759208-B21
12G SAS Hot Plug SmartDrive LFF (3.5 in) Converter Enterprise Drives	
HPE 600GB SAS 12G Enterprise 15K LFF (3.5 in) SC 3 yr Wty HDD	765424-B21
HPE 450GB SAS 12G Enterprise 15K LFF (3.5 in) SCC 3 yr Wty HDD	737394-B21

Description	Option Part Number
HPE 300GB SAS 12G Enterprise 15K LFF (3.5 in) SC 3 yr Wty HDD	737261-B21
12G SAS Hot Plug SFF (2.5 in) Enterprise Drives	
HPE 1.2TB SAS 12G Enterprise 10K SFF (2.5 in) SC 3 yr Wty HDD	781518-B21
HPE 900GB SAS 12G Enterprise 10K SFF (2.5 in) SC 3 yr Wty HDD	785069-B21
HPE 600GB SAS 12G Enterprise 10K SFF (2.5 in) SC 3 yr Wty HDD	781516-B21
HPE 300GB SAS 12G Enterprise 10K SFF (2.5 in) SC 3 yr Wty HDD	785067-B21
12G SAS Hot Plug SFF (2.5 in) SC 512e Drives	
HPE 2TB SAS 12G Midline 7.2K SFF (2.5 in) SC 1 yr Wty 512e HDD	765466-B21
HPE 1TB SAS 12G Midline 7.2K SFF (2.5 in) SC 1 yr Wty 512e Digitally Signed FirmwareHDD	765464-B21
HPE 1.8TB SAS 12G Enterprise 10K SFF (2.5 in) SC 3 yr Wty 512e HDD	791034-B21
HPE 600GB SAS 12G Enterprise 15K SFF (2.5 in) SC 3 yr Wty 512e HDD	748387-B21
HPE 6TB SAS 12G Midline 7.2K LFF (3.5 in) SC 1 yr Wty Helium 512e HDD	793699-B21
12G SAS Hot Plug LFF (3.5 in) Midline (MDL) 512e Drives	
HPE 6TB SAS 12G Midline 7.2K LFF (3.5 in) SC 1 yr Wty HDD	765259-B21
HPE 6TB SATA 6G Midline 7.2K LFF (3.5 in) SC 1 yr Wty HDD	765255-B21
HPE 4TB SAS 12G Midline 7.2K LFF (3.5 in) SC 1 yr Wty HDD	765257-B21
HPE 4TB SATA 6G Midline 7.2K LFF (3.5 in) SC 1 yr Wty HDD	765253-B21
12G SAS Hot Plug LFF (3.5 in) SC 512e Performance Drives	
HPE 6TB SAS 12G Midline 7.2K LFF (3.5 in) SC 1 yr Wty 512e HDD	793671-B21
HP 4TB 12G SAS 7.2K rpm LFF (3.5 in) SC 512e Performance 1 yr Warranty HardDrive	793669-B21
12G SAS Hot Plug LFF (3.5 in) 7.2K MDL SC HDD	

Description	Option Part Number
HPE 4TB SAS 12G Midline 7.2K LFF (3.5 in) SC 1 yr Wty HDD	818367-B21
HPE 2TB SAS 12G Midline 7.2K LFF (3.5 in) SC 1 yr Wty HDD	818365-B21
6G SATA Hot Plug with SmartDrive SFF (2.5 in) Midline (MDL) Drives [2]	
HP 1TB 6G SATA 7.2K rpm SFF (2.5 in) SC Midline 1 yr Warranty Hard Drive	655710-B21
HP 500GB 6G SATA 7.2K rpm SFF (2.5 in) SC Midline 1 yr Warranty Hard Drive	655708-B21
6G SATA Hot Plug with SmartDrive LFF (3.5 in) Midline (MDL) Drives [2]	
HPE 6TB SATA 6G Midline 7.2K LFF (3.5 in) SC 1 yr Wty Helium 512e HDD	793683-B21
HP 6TB 6G SATA 7.2K rpm LFF (3.5 in) SC Midline 1 yr Warranty Hard Drive	753874-B21
HP 4TB 6G SATA 7.2k rpm LFF (3.5-in) SC Midline 1 yr Warranty Hard Drive	693687-B21
HP 3TB 6G SATA 7.2K rpm LFF (3.5-in) SC Midline 1 yr Warranty Hard Drive	628061-B21
HP 2TB 6G SATA 7.2K rpm LFF (3.5-in) SC Midline 1 yr Warranty Hard Drive	658079-B21
HP 1TB 6G SATA 7.2K rpm LFF (3.5-in) SC Midline 1 yr Warranty Hard Drive	657750-B21
HP 500GB 6G SATA 7.2K rpm LFF (3.5-in) SC Midline 1 yr Warranty Hard Drive	658071-B21
6G SATA Hot Plug RI-3 LFF (3.5 in) SCC Solid State Drives	
HPE 3.84TB SATA 6G Read Intensive LFF (3.5 in) SCC 3 yr Wty SSD	816933-B21
HPE 1.92TB SATA 6G Read Intensive LFF (3.5 in) SCC 3 yr Wty SSD	816923-B21
HPE 960GB SATA 6G Read Intensive LFF (2.5 in) SC 3 yr Wty SSD	816913-B21
HPE 480GB SATA 6G Read Intensive LFF (3.5 in) SCC 3 yr Wty SSD	816903-B21
HPE 240GB SATA 6G Read Intensive LFF (3.5 in) SCC 3 yr Wty SSD	816893-B21

Description	Option Part Number
HPE 120GB SATA 6G Read Intensive LFF (3.5 in) S CC 3 yr Wty SSD	816883-B21
6G SATA Hot Plug MU-3 LFF(3.5 in) SCC Solid State Drives	
HPE 1.92TB SATA 6G Mixed Use LFF (3.5 in) SCC 3 yr Wty SSD	817015-B21
HPE 960GB SATA 6G Mixed Use LFF (3.5 in) SCC 3 yr Wty SSD	816999-B21
HPE 480GB SATA 6G Mixed Use LFF (3.5 in) SCC 3 yr Wty SSD	816989-B21
HPE 240GB SATA 6G Mixed Use LFF (3.5 in) SCC 3 yr Wty SSD	816979-B21
HPE 120GB SATA 6G Mixed Use LFF (3.5 in) SCC 3 yr Wty SSD	816969-B21
6G SATA Non-hot Plug LFF (3.5 in) Midline (MDL) Drives [2]	
HP 3TB 6G SATA 7.2K rpm LFF (3.5-in) Non-hot plu g Midline 1 yr Warranty Hard Drive	628065-B21
HP 2TB 6G SATA 7.2K rpm LFF (3.5-in) Non-hot plu g Midline 1 yr Warranty Hard Drive	659339-B21
HP 1TB 6G SATA 7.2K rpm LFF (3.5-in) Non-hot plu g Midline 1 yr Warranty Hard Drive	659337-B21
HP 500GB 6G SATA 7.2K rpm LFF (3.5-in) Non-hot plug Midline 1 yr Warranty Hard Drive	659341-B21
6G SATA Hot Plug SFF (2.5 in) SC 512e Drives	
HPE 2TB SATA 6G Midline 7.2K SFF (2.5 in) SC 1 yr Wty 512e Digitally Signed Firmware HDD	765455-B21
HPE 1TB SATA 6G Midline 7.2K SFF (2.5 in) SC 1 yr Wty 512e Digitally Signed Firmware HDD	765453-B21
12G SAS Mainstream Endurance Hot Plug SFF (2.5 in) Enterprise Mainstream H2 Solid State Drives	
HPE 400GB SAS 12G Write Intensive SFF (2.5 in) SC 3 yr Wty SSD	779168-B21
HPE 200GB SAS 12G Write Intensive SFF (2.5 in) SC 3 yr Wty SSD	779164-B21
12G SAS Hot Plug SFF (2.5 in) SC Write Intensive Solid State Drives	
HPE 200GB SAS 12G Write Intensive SFF (2.5 in) SC 3 yr Wty SSD	802578-B21

Description	Option Part Number
HPE 400GB SAS 12G Write Intensive SFF (2.5 in) SC 3 yr Wty SSD	802582-B21
HPE 800GB SAS 12G Write Intensive SFF (2.5 in) SC 3 yr Wty SSD	802586-B21
6G SATA Value Endurance Hot Plug SFF (2.5 in) Enterprise Boot Solid StateDrives	
HP 120GB 6G SATA Value Endurance SFF 2.5 in SC Enterprise Boot 3 yr Wty SolidState Drive	717965-B21
HP 80GB 6G SATA Value Endurance SFF 2.5 in SC E nterprise Boot 3 yr Wty SolidState Drive	734360-B21
6G SATA 2.5 in WI-PLP SCC SSD	
HPE 1.2TB SATA 6G Write Intensive LFF (3.5 in) S CC 3 yr Wty SSD	804680-B21
HPE 800GB SATA 6G Write Intensive LFF (3.5 in) S CC 3 yr Wty SSD	804674-B21
HPE 400GB SATA 6G Write Intensive LFF (3.5 in) S CC 3 yr Wty SSD	804668-B21
HPE 200GB SATA 6G Write Intensive LFF (3.5 in) S CC 3 yr Wty SSD	804642-B21
HPE 800GB SATA 6G Write Intensive LFF (3.5 in) S CC 3 yr Wty SSD	831725-B21
6G SATA 2.5 in MU-PLP SCC SSD	
HPE 1.6TB SATA 6G Mixed Use LFF (3.5 in) SCC 3 y r Wty SSD	804634-B21
HPE 800GB SATA 6G Mixed Use LFF (3.5 in) SCC 3 yr Wty SSD	804628-B21
HPE 480GB SATA 6G Mixed Use LFF (3.5 in) SCC 3 yr Wty SSD	832417-B21
HPE 200GB SATA 6G Mixed Use LFF (3.5 in) SCC 3 yr Wty SSD	804616-B21
6G SATA 2.5 in RI-PLP SCC SSD	
HPE 1.6TB SATA 6G Read Intensive LFF (3.5 in) S CC 3 yr Wty SSD	804608-B21
HPE 800GB SATA 6G Read Intensive LFF (3.5 in) S CC 3 yr Wty SSD	804602-B21
HPE 480GB SATA 6G Read Intensive LFF (3.5 in) S CC 3 yr Wty SSD	804596-B21
HPE 240GB SATA 6G Read Intensive LFF (3.5 in) S CC 3 yr Wty SSD	804590-B21

Description	Option Part Number
HPE 120GB SATA 6G Read Intensive LFF (3.5 in) SCC 3 yr Wty SSD	804584-B21
HPE 80GB SATA 6G Read Intensive LFF (3.5 in) SCC 3 yr Wty SSD	804578-B21
6G SATA 2.5 in WI-PLP SC SSD	
HPE 1.2TB SATA 6G Write Intensive SFF (2.5 in) SC 3 yr Wty SSD	804677-B21
HPE 800GB SATA 6G Write Intensive SFF (2.5 in) SC 3 yr Wty SSD	804671-B21
HPE 400GB SATA 6G Write Intensive SFF (2.5 in) SC 3 yr Wty SSD	804665-B21
HPE 200GB SATA 6G Write Intensive SFF (2.5 in) SC 3 yr Wty SSD	804639-B21
6G SATA 2.5 in MU-PLP SC SSD	
HPE 1.6TB SATA 6G Mixed Use SFF (2.5 in) SC 3 yr Wty SSD	804631-B21
HPE 800GB SATA 6G Mixed Use SFF (2.5 in) SC 3 yr Wty SSD	804625-B21
HPE 480GB SATA 6G Mixed Use SFF (2.5 in) SC 3 yr Wty SSD	832414-B21
HPE 200GB SATA 6G Mixed Use SFF (2.5 in) SC 3 yr Wty SSD	804613-B21
6G SATA 2.5 in RI-PLP SC SSD	
HPE 1.6TB SATA 6G Read Intensive SFF (2.5 in) SC 3 yr Wty SSD	804605-B21
HPE 800GB SATA 6G Read Intensive SFF (2.5 in) SC 3 yr Wty SSD	804599-B21
HPE 480GB SATA 6G Read Intensive SFF (2.5 in) SC 3 yr Wty SSD	804593-B21
HPE 240GB SATA 6G Read Intensive SFF (2.5 in) SC 3 yr Wty SSD	804587-B21
HPE 120GB SATA 6G Read Intensive SFF (2.5 in) SC 3 yr Wty SSD	804581-B21
HPE 80GB SATA 6G Read Intensive SFF (2.5 in) SC 3 yr Wty SSD	804575-B21
6G SATA Hot Plug LFF (3.5 in) SC 512e Performance Drives	
HP 6TB 6G SATA 7.2K rpm LFF (3.5 in) SC 512e Performance 1 yr Warranty Hard Drive	793667-B21

Description	Option Part Number
HP 4TB 6G SATA 7.2K rpm LFF (3.5 in) SC 512e Performance 1 yr Warranty Hard Drives	793665-B21
6G SATA Value Endurance Hot Plug LFF (3.5 in) Enterprise Boot Solid State Drives [3]	
HP 120GB 6G SATA Value Endurance LFF 3.5 in SC Enterprise Boot 3 yr Warranty Solid State Drive	718171-B21
HP 80GB 6G SATA Value Endurance LFF 3.5 in SC Enterprise Boot 3 yr Warranty Solid State Drive	734362-B21
6G SATA Hot Plug Value Endurance LFF (3.5 in) Converter Enterprise Value G1 Solid State Drives	
HP 480GB 6G SATA Value Endurance LFF 3.5 in SC Converter ENT Value 3 yr Wty G1 Solid State Drive	756660-B21
6G SATA Hot Plug Value Endurance SFF (2.5 in) Enterprise Value G1 Solid State Drives	
HP 480GB 6G SATA Value Endurance SFF 2.5 in SC Enterprise Value 3 yr Wty G1 Solid State Drive	756657-B21
6G SATA Value Endurance Hot Plug SFF (2.5 in) Enterprise Value Solid State Drives	
HP 1.6TB 6G SATA Value Endurance SFF 2.5 in SC Enterprise Value 3 yr Wty Solid State Drive	757339-B21
HP 800GB 6G SATA Value Endurance SFF 2.5 in SC Enterprise Value 3 yr Wty Solid State Drive	717973-B21
HP 480GB 6G SATA Value Endurance SFF 2.5 in SC Enterprise Value 3 yr Wty Solid State Drive	717971-B21
HP 240GB 6G SATA Value Endurance SFF 2.5 in SC Enterprise Value 3 yr Wty Solid State Drive	717969-B21
6G SATA Value Endurance Hot Plug LFF (3.5 in) Enterprise Value Solid State Drives [3]	
HP 1.6TB 6G SATA Value Endurance LFF 3.5 in SC Converter Enterprise Value 3 yr Wty Solid State Drive	757342-B21
HP 800GB 6G SATA Value Endurance LFF 3.5 in SC Enterprise Value 3 yr Warranty Solid State Drive	718189-B21
HP 480GB 6G SATA Value Endurance LFF 3.5 in SC Enterprise Value 3 yr Warranty Solid State Drive	718183-B21
HP 240GB 6G SATA Value Endurance LFF 3.5 in SC Enterprise Value 3 yr Warranty Solid State Drive	718177-B21
6G SATA Value Endurance Hot Plug SFF (2.5 in) Enterprise Value M1 Solid State Drive	
HPE 800GB SATA 6G Read Intensive SFF (2.5 in) SC 3 yr Wty SSD	764929-B21

Description	Option Part Number
HPE 480GB SATA 6G Read Intensive SFF (2.5 in) SC 3 yr Wty SSD	764927-B21
HPE 240GB SATA 6G Read Intensive SFF (2.5 in) SC 3 yr Wty SSD	764925-B21
HPE 120GB SATA 6G Read Intensive SFF (2.5 in) SC 3 yr Wty SSD	764923-B21
6G SATA Hot Plug SFF (2.5 in) SC Read Intensive Solid State Drives	
HP 480GB 6G SATA Read Intensive SFF 2.5 in SC 3 yr Wty Solid State Drive	789145-B21
6G SAS ME Hot Plug SFF (2.5 in) Enterprise Mainstream Solid State Drives [3]	
HP 400GB 6G SAS Mainstream Endurance SFF 2.5 in SC Enterprise Mainstream 3 yr Warranty Solid State Drive	690827-B21
HP 200GB 6G SAS Mainstream Endurance SFF 2.5 in SC Enterprise Mainstream 3 yr Warranty Solid State Drive	690825-B21
6G SATA ME Hot Plug SFF (2.5 in) Enterprise Mainstream Solid State Drives [3]	
HP 800GB 6G SATA Mainstream Endurance SFF 2.5 in SC Enterprise Mainstream 3 yr Warranty Solid State Drive	691868-B21
HP 400GB 6G SATA Mainstream Endurance SFF 2.5 in SC Enterprise Mainstream 3 yr Warranty Solid State Drive	691866-B21
HP 200GB 6G SATA Mainstream Endurance SFF 2.5 in SC Enterprise Mainstream 3 yr Warranty Solid State Drive	691864-B21
HP 100GB 6G SATA Mainstream Endurance SFF 2.5 in SC Enterprise Mainstream 3 yr Warranty Solid State Drive	691862-B21
6G SATA ME Hot Plug SFF (3.5 in) Enterprise Mainstream Solid State Drives [3]	
HP 800GB 6G SATA Mainstream Endurance LFF 3.5 in SC Enterprise Mainstream 3 yr Warranty Solid State Drive	691860-B21

Description	Option Part Number
HP 400GB 6G SATA Mainstream Endurance LFF 3.5 in SC Enterprise Mainstream 3 yr Warranty Solid State Drive	691856-B21
HP 200GB 6G SATA Mainstream Endurance LFF 3.5 in SC Enterprise Mainstream 3 yr Warranty Solid State Drive	691854-B21
HP 100GB 6G SATA Mainstream Endurance LFF 3.5 in SC Enterprise Mainstream 3 yr Warranty Solid State Drive	691852-B21
3G SATA MLC Hot Plug SFF (2.5 in) Enterprise Mainstream Solid State Drives [3]	
HP 400GB 3G SATA MLC SFF (2.5 in) SC Enterprise Mainstream 3 yr Warranty Solid State Drive	653120-B21
HP 200GB 3G SATA MLC SFF (2.5 in) SC Enterprise Mainstream 3 yr Warranty Solid State Drive	653118-B21
HP 100GB 3G SATA MLC SFF (2.5 in) SC Enterprise Mainstream 3 yr Warranty Solid State Drive	653112-B21
3G SATA MLC Hot Plug LFF (3.5 in) Enterprise Mainstream Solid State Drives [3]	
HP 400GB 3G SATA MLC LFF (3.5 in) SC Enterprise Mainstream 3 yr Warranty Solid State Drive	653126-B21
HP 200GB 3G SATA MLC LFF (3.5 in) SC Enterprise Mainstream 3 yr Warranty Solid State Drive	653124-B21
HP 100GB 3G SATA MLC LFF (3.5 in) SC Enterprise Mainstream 3 yr Warranty Solid State Drive	653122-B21
Hard Drive Kits [4]	
HP 480GB 6G SATA Read Intensive LFF 3.5 in SC Converter 3 yr Wty Solid StateDrive	789147-B21
HP LFF Gen8 Hard Drive Blank Kit	666986-B21
HP SFF Gen8 Hard Drive Blank Kit	666987-B21

NOTE:

Description	Option Part Number

The components of a storage subsystem (e.g. the drive, the HBA/controller, firmware, and th e server backplane) should operate at the same data transfer rate or the system bandwidth will be negotiated down to an acceptable level for all components.

HP networking

Description	Option Part Number
Gigabit Ethernet adapters [1]	
HP NC112T PCI Express Gigabit Server Adapter	503746-B21
HP NC365T 4-port Ethernet Server Adapter	593722-B21
HP Ethernet 1Gb 4-port 331T Adapter	647594-B21
HP Ethernet 1Gb 2-port 332T Adapter	615732-B21
HP Ethernet 1Gb 2-port 361T Adapter	652497-B21
10 Gigabit Ethernet adapters [1]	
HP NC523SFP 10Gb 2-port Server Adapter	593717-B21
HP NC552SFP 10Gb 2-port Ethernet Server Adapte r	614203-B21
HP Ethernet 10Gb 2-port 560SFP+ Adapter	665249-B21
Switches [2]	
HP PS1810-24G Switch	J9834A

HP security

Description	Option Part Number
HP Trusted Platform Module Option	488069-B21



NOTE:

The TPM (Trusted Platform Module) is a microcontroller chip that can securely store artifa cts used to authenticate the server platform. These artifacts can include passwords, certific ates and encryption keys. Windows BitLocker? Drive Encryption (BitLocker) is a data prote ction feature available in Windows Server 2008. BitLocker leverages the enhanced security capabilities of a Trusted Platform Module (TPM) version 1.2. The TPM works with BitLocke r to help protect user data and to ensure that a server running Windows Server 2008 has n ot been tampered with while the system was offline. For more information about TPM, inclu ding a white paper, go to: www.hp.com/go/TPM.

ProLiant OS pre-installed units will come with the partition required for TPM deployment.

The TPM key is unique to every TPM deployed server and must be retained. Misplacing or l osing the key could result in data loss.

HP storage controllers

Description	Option Part Number
SAS Controllers	
HP Smart Array P222 Controller [1]	
HP Smart Array P222/512 FBWC 6Gb 1-port Int/1 -port Ext SAS Controller	631667-B21
HP Smart Array P420 Controller [2]	
HP Smart Array P420/2GB FBWC 6Gb 2-ports Int SAS Controller	631671-B21
HP Smart Array P420/1GB FBWC 6Gb 2-ports Int SAS Controller	631670-B21

Description	Option Part Number
HP Smart Array P421 Controller [3]	
HP Smart Array P421/2GB FBWC 6Gb 2-ports Ext SAS Controller	631674-B21
HP Smart Array P421/1GB FBWC 6Gb 2-ports Ext SAS Controller	631673-B21
Optional Upgrades	
HP 2GB P-series Smart Array Flash Backed Write Cache	631681-B21
HPE Smart Array SR SmartCache (Single Key/Single Server) LTU	D7S26A
HPE Smart Array SR SmartCache (Single Key/Multiple Servers) LTU	D7S27A
HPE Smart Array SR SmartCache (Single Key/Multiple Servers) E-LTU	D7S27AAE
HP Host Bus Adapters	
HP H220 Host Bus Adapter [4]	650933-B21
HPE H221 PCIe 3.0 SAS Host Bus Adapter	729552-B21
HP H221 Host Bus Adapter [5]	650931-B21
HP H222 Host Bus Adapter [6]	650926-B21
HP SC11Xe Ultra320 Single Channel/ PCIe x4 SCSI Host Bus Adapter	412911-B21
HPE Tape Backup	
HPE StoreEver LTO-7 Ultrium 15000 External Tape Drive	BB874A
HPE StoreEver LTO-6 Ultrium 6250 Tape Drive in a 1U Rack Mount Kit	C0L99A
HPE StoreEver LTO-6 Ultrium 6650 SAS Internal Tape Drive	EH963A
HPE StoreEver LTO-6 Ultrium 6650 SAS External Tape Drive	EH964A
HPE StoreEver LTO-6 Ultrium 6250 Internal Tape Drive	EH969A
HPE StoreEver LTO-6 Ultrium 6250 External Tape Drive	EH970A

Description	Option Part Number
HPE StoreEver 1/8 G2 LTO-6 Ultrium 6250 Fibre Channel Tape Autoloader	C0H19A
HPE StoreEver LTO-5 Ultrium 3000 SAS Internal Tape Drive	EH957B
HPE Tape Storage Systems	
HPE StoreEver MSL6480	
HPE StoreEver MSL6480 Scalable Base Module	QU625A

NOTE:

Smart Array Storage controller can be added only in PCIe Slot 3, Slot 4 or both.

HP tape backup

Description	Option Part Number
HP StoreEver LTO-6 Ultrium 6250 Tape Drive in 1U Rack-mount Kit	C0L99A
HP StoreEver LTO-6 Ultrium 6650 Internal Tape Drive	EH963A
HP StoreEver LTO-6 Ultrium 6650 External Tape Drive	EH964A
HP StoreEver LTO-6 Ultrium 6250 Internal Tape Drive	EH969A
HP StoreEver LTO-6 Ultrium 6250 External Tape Drive	EH970A

HP disk backup

Description	Option Part Number
HP RDX Removable Disk Backup System	
HP RDX320 USB3.0 External Disk Backup System	B7B63A
HPE RDX 2TB USB3.0 External Disk Backup System	E7X53B
HPE RDX 2TB USB3.0 Internal Disk Backup System	E7X52A
HP RDX+ 1TB External Backup System	B7B69B
HP RDX+ 500GB External Backup System	B7B66B
HP RDX500 USB3.0 Internal Disk Backup System	B7B64A
HP RDX500 USB3.0 External Disk Backup System	B7B66A
HP RDX1000 USB3.0 Internal Disk Backup System	B7B67A
HPE RDX+ External Docking System	C8S07B
HP RDX1000 USB3.0 External Disk Backup System	B7B69A
HPE Disk Storage Systems	
Disk Enclosures	
HP D2600 w/12 4TB 6G SAS 7.2K LFF Dual Port M DL HDD 48TB Bundle	E7W32A

HP uninterruptible power systems

Description	Option Part Number
HP Tower UPS	
HP T1000 G3 UPS Models [1]	
HP T1000 G3 1000VA INTL Tower Uninterruptible Power System	AF449A
HP T1000 G3 1000VA NA Tower Uninterruptible Power System	AF448A

Description	Option Part Number
HP T1000J JP Uninterruptible Power System	AF457A
HPE DirectFlow Three Phase UPS Power Unit (1U UPS)	
HPE R12000 DirectFlow - 1U Rackmount Uninterruptible Power System	G9Y75A
HPE R12000 DirectFlow - POD 1U Rackmount Uninterruptible Power System	AF478A
Input/Output Module Options for 1U UPS	
HPE 32A 400-415 V Three Phase INTL R12000 DirectFlow UPS IEC309 Input/Output Module	AF488A
HPE 30A 400-415 V Three Phase NA R10000 DirectFlow UPS IEC309 Input/Output Module	AF489A
HPE 32A 380 V Three Phase China R12000 DirectFlow UPS Unterminated Input/Output Module	AF490A
HPE 30A 480 V Three Phase NA R12000 DirectFlow UPS L22-30 Input/Output Module	AF491A
HPE 30A 480 V Three Phase NA R12000 DirectFlow UPS IEC309 Input/Output Module	AF492A
HPE 30A 400-415 V Three Phase NA R12000 DirectFlow UPS IEC309 Input/Output Module	G9Y76A
HPE Tower UPS	
HPE T750 G4 UPS Models	
HPE T750 G4 NA/JP Uninterruptible Power System	J2P85A
HPE T750 G4 INTL Uninterruptible Power System	J2P88A
HPE T1000 G4 UPS Models	
HPE T1000 G4 NA/JP Uninterruptible Power System	J2P86A
HPE T1000 G4 INTL Uninterruptible Power System	J2P89A
HPE T1500 G4 UPS Models	
HPE T1500 G4 NA/JP Uninterruptible Power System	J2P87A
HPE T1500 G4 INTL Uninterruptible Power System	J2P90A
HPE Rack/Tower UPS	
HPE R/T2200 G4 UPS Models	
HPE R/T2200 G4 NA/JP Uninterruptible Power System	J2R00A
HPE R/T3000 G4 UPS Models	
HPE R/T3000 G4 Low Voltage NA/JP Uninterruptible Power System	J2R01A

Description	Option Part Number
HPE R/T3000 G4 High Voltage NA/JP Uninterruptible Power System	J2R02A
HPE R/T3000 G4 High Voltage INTL Uninterruptible Power System	J2R04A
HPE Rack-mountable UPS	
HPE R1500 G4 Uninterruptible Power Supply (UPS)	
HPE R1500 G4 NA Uninterruptible Power System	J2Q99A
HPE R1500 G4 INTL Uninterruptible Power System	J2R03A
HPE R1500 G4 JP/TWN Uninterruptible Power System	J2R05A
HP T1500 G3 UPS Models [1]	
HP T1500 G3 1400VA INTL Tower Uninterruptible Power System	AF451A
HP T1500 G3 1400VA NA Tower Uninterruptible Power System	AF450A
HP T1500J JP Uninterruptible Power System	AF458A
HP Rack-mountable UPS	
HP R1500 G3 Uninterruptible Power Supply (UPS) [2]	
HP R1.5kVA G3 1U INTL Uninterruptible Power System	AF471A
HP R1.5kVA G3 1U NA Uninterruptible Power System	AF469A
HP R1.5kVA G3 1U JP/TW Uninterruptible Power System	AF470A
HP R/T3000 G2 Uninterruptible Power System (UPS) [3]	
HP R/T3000 G2 2U L530 Low Voltage NA/JP Uninterruptible Power System	AF466A
HP R/T3000 G2 2U L620 High Voltage NA/JP Uninterruptible Power System	AF467A
HP R/T3000 G2 2U Detachable Cord High Voltage INTL Uninterruptible Power System	AF468A

Description	Option Part Number
R5000 Uninterruptible Power System (UPS) [4]	
HP R5KVA 3U IEC309-32A High Voltage INTL Uninterruptible Power System	AF461A
HP R5KVA 3U L630 High Voltage NA/JP Uninterruptible Power System	AF460A
R7000 Uninterruptible Power System (UPS) [5]	
HP R7KVA 4U 50A High Voltage NA/JP Uninterruptible Power System	AF462A
HP R7KVA 4U IEC-32A High Voltage INTL Uninterruptible Power System	AF463A

HP basic power distribution units

Description	Option Part Number
HP 1.9kVA 120 V 12 Outlet NA/JP Basic Power Distribution Unit	H5M54A
HP 2.8kVA 120 V 18 Outlet NA/JP Basic Power Distribution Unit	H5M55A
HP 3.6kVA 200-240 V 12 Outlet WW Basic Power Distribution Unit	H5M56A
HP 3.6kVA 200-240 V 20 Outlet WW Basic Power Distribution Unit	H5M57A
HP 4.9kVA 208 V 20 Outlet NA/JP Basic Power Distribution Unit	H5M58A
HP 4.9kVA 208 V 30 Outlet NA/JP Basic Power Distribution Unit	H5M59A
HP 8.3kVA 208 V 36 Outlet NA/JP Basic Power Distribution Unit	H5M60A

Description	Option Part Number
HP 8.6kVA 208 V Three Phase 18 Outlet NA/JP Basic Power Distribution Unit	H5M61A
HP 8.6kVA 208 V Three Phase 30 Outlet NA/JP Basic Power Distribution Unit	H5M62A
HP 5.7kVA 208 V Three Phase 27 Outlet NA/JP Dual Voltage Basic Power Distribution Unit	H5M63A
HP 8.6kVA 208 V Three Phase 30 Outlet NA/JP Dual Voltage Basic Power Distribution Unit	H5M64A
HP 11kVA 400 V Three Phase 42 Outlet NA Basic Power Distribution Unit	H5M67A
HP 7.3kVA 230 V 20 Outlet INTL Basic Power Distribution Unit	H5M68A
HP 7.3kVA 230 V 30 Outlet INTL Basic Power Distribution Unit	H5M70A
HP 11kVA 230 V 36 Outlet INTL Basic Power Distribution Unit	H5M71A
HP 11kVA 400 V Three Phase 30 Outlet INTL Basic Power Distribution Unit	H5M72A
HP 11kVA 400 V Three Phase 42 Outlet INTL Basic Power Distribution Unit	H5M73A
HP Hardwired 200-240 V 36 Outlet WW Basic Power Distribution Unit	H5M75A
HP 13.2kVA 480 V Three Phase 15 Outlet NA Basic Power Distribution Unit	H3X07A
HP 19.9kVA 480 V Three Phase 30 Outlet NA Basic Power Distribution Unit	H3X08A
HP 277 V options for H3X07A and H3X08A	
HP 800VA - 277V Input / 230 V Output NA Rack Mount Transformer	H3X09A

HP remote monitoring power distribution units

Description	Option Part Number
HP 3.6kVA 200-240 V 12 Outlet WW Monitored Power Distribution Unit	D9N46A
HP 4.9kVA 208 V 24 Outlet NA/JP Monitored Power Distribution Unit	D9N47A
HP 7.3kVA 230 V 24 Outlet INTL Monitored Power Distribution Unit	D9N48A
HP 8.3kVA 208 V 33 Outlet NA Monitored Power Distribution Unit	D9N49A
HP 7.3kVA 230 V 36 Outlet INTL Monitored Power Distribution Unit	D9N50A
HP 8.6kVA 208 V Three Phase 21 Outlet NA/JP Monitored Power Distribution Unit	D9N51A
HP 5.7kVA 208 V Three Phase 21 Outlet NA/JP Dual Voltage Monitored Power Distribution Unit	D9N52A
HP 8.6kVA 208 V Three Phase 24 Outlet NA/JP Dual Voltage Monitored Power Distribution Unit	D9N53A
HP 17.3kVA 208 V Three Phase 27 Outlet NA/JP Monitored Power Distribution Unit	D9N54A
HP 11kVA 400 V Three Phase 21 Outlet INTL Monitored Power Distribution Unit	D9N55A
HP 22kVA 400 V Three Phase 33 Outlet INTL Monitored Power Distribution Unit	D9N56A
HP 11kVA 400 V Three Phase 33 Outlet INTL Monitored Power Distribution Unit	D9N57A
HP 14.4kVA 208 V Three Phase 24 Outlet NA Monitored Power Distribution Unit	D9N58A
HP 17.3kVA 208 V Three Phase 24 Outlet NA/JP Monitored Power Distribution Unit	D9N59A

Description	Option Part Number
HP 22kVA 400 V Three Phase 24 Outlet INTL Monitored Power Distribution Unit	D9N60A
HP 16.6kVA 400 V Three Phase 33 Outlet NA Monitored Power Distribution Unit	D9N61A
HP 16.6kVA 400 V Three Phase 24 Outlet NA Monitored Power Distribution Unit	D9N62A
HP 19.9kVA 480 V Three Phase 30 Outlet NA Monitored Power Distribution Unit	D9N63A
HP 2.8kVA 120 V 12 Outlet NA/JP Monitored Power Distribution Unit	D9N43A
HP 4.9kVA 208 V 12 Outlet NA/JP Monitored Power Distribution Unit	D9N44A
HP 3.6kVA 200-240 V 16 Outlet WW Monitored Power Distribution Unit	D9N45A
HPE Metered 4.9kVA/L6-30P 24A/208 V Outlets (12) C13/Vertical NA/JP PDU	G9Z05A
HPE Metered 7.3kVA/60309 3-wire 32A/230 V Outlets (12) C13/Vertical INTL PDU	G9Z06A
HP Environmental Sensor for Remote Monitored PDUs	
HP Environmental Sensor for Remote Monitored PDUs	E2D53A

HP intelligent Power Distribution Units (iPDU)

Description	Option Part Number
iPDU Core Units	
HP 4.9kVA 24A Single Phase NA/JP Core Intelligent Modular Power Distribution Unit	AF520A
HP 8.3kVA 40A Single Phase NA/JP Core Intelligent Modular Power Distribution Unit	AF521A

Description	Option Part Number
HP 8.6kVA 24A Three Phase NA/JP Core Intelligent Modular Power Distribution Unit	AF522A
HP 14.4kVA 40A Three Phase NA/JP Intelligent M odular Power Distribution Unit	AF533A
HP 17.3kVA 48A Three Phase NA/JP Core Intelligen t Modular Power Distribution Unit	AF533A
HPE Intelligent Modular 3Ph 17.3kVA/60309 60A 4 -wire 48A/208 V (6)C19/Horizontal NA/JP PDU	AF523A
HP 17.3kVA 24A 415V Three Phase L22-30 NA Co re Intelligent Power Distribution Unit	AF902A
HP 7.3kVA 32A Single Phase INTL Core Intelligent Modular Power Distribution Unit	AF525A
HP 11kVA 16A Three Phase INTL Core Intelligent M odular Power Distribution Unit	AF526A
HP 22kVA 32A Three Phase INTL Core Intelligent M odular Power Distribution Unit	AF527A
HP 17.3kVA 48A 208V Three Phase 12 Outlet Core NA/JP Intelligent Power Distribution Unit	AF535A
HP 17.3kVA 24A 415V Three Phase 12 Outlet Core NA/JP Intelligent Power Distribution Unit	AF537A
HP 22kVA 32A 400V Three Phase 12 Outlet Core IN TL Intelligent Power Distribution Unit	AF538A
iPDU Kits with Standard Extension Bars	
HP 4.9kVA 24A Single Phase NA/JP Intelligent Mod ular Power Distribution Kit	AF531A
HP 8.6kVA 24A Three Phase NA/JP Intelligent Modu lar Power Distribution Kit	AF532A
HP 7.3kVA 32A Single Phase INTL Intelligent Modul ar Power Distribution Kit	AF534A
iPDU Extension Bars	
HP 5xC13 Intelligent PDU Extension Bar G2 Kit	AF547A

Description	Option Part Number
HP 5xC13 Outlets Power and UID LEDs Pair Standard Extension Bar	AF528A
HPE Metered and Switched Power Distribution Units(PDU)	
Half Height Models	
HPE Metered Switched 3.6kVA/60320 C20 Detachable 16A/230 V Outlets (7) C13 (1)C19/Vertical WW PDU	H8B49A
Full Height Models	
HPE Metered Switched 2.8kVA/L5-30P 24A/120 V Outlets (24) 5-20R /Vertical NA/JPPDU	H8B48A
HPE Metered Switched 4.9kVA/L6-30P 24A/208 V Outlets (20) C13 (4) C19/VerticalNA/JP PDU	H8B50A
HPE Metered Switched 7.3kVA/60309 3-wire 32A/230 V Outlets (20) C13 (4)C19/Vertical INTL PDU	H8B51A
HPE Metered Switched 3Ph 8.6kVA/L15-30P 24A/208 V Outlets (18) C13 (6)C19/Vertical NA/JP PDU	H8B52A
HPE Metered Switched 3Ph 8.6kVA/L21-30P 24A/208 V Outlets (20)C13 (3)C19 (1)5-20R/Vertical NA/JP PDU	H8B53A
HPE Metered Switched 3Ph 11kVA/60309 5-wire 16A/230 V Outlets (21) C13 (3)C19/Vertical INTL PDU	H8B54A
HPE Metered Switched 3Ph 14.4kVA/CS8365C 40A/208 V Outlets (12) C13 (12)C19/Vertical NA/JP PDU	H8B55A
HPE Metered Switched 3Ph 17.3kVA/60309 4-wire 48A/208 V Outlets (12) C13 (12)C19/Vertical NA/JP PDU	H8B56A

HP power distribution units

Description	Option Part Number
Monitored PDUs	
HP Monitored Power Distribution Unit: Full Rack Version	

Description	Option Part Number
HP 8.6kVA 24A Single Input Three Phase NA/JP Monitored Power Distribution Unit	AF504A
HP 8.3kVA 40A Single Input Single Phase NA/JP Monitored Power Distribution Unit	AF506A
HP 11kVA 16A Single Input Three Phase INTL Monitored Power Distribution Unit	AF508A
HP 7.3kVA 32A Single Input Single Phase INTL Monitored Power Distribution Unit	AF510A
HP Monitored Power Distribution Unit: Half Rack Version	
HP 4.9kVA 24A Single Input Single Phase NA/JP Monitored Power Distribution Unit	AF914A
HP 7.3kVA 32A Single Input Single Phase INTL Monitored Power Distribution Unit	AF915A



NOTE:

Please see the UPS and PDU cable matrix's on the HP Power Protection and Management page. Under Power Cords, click on the "HP Power Cord Matrix" link. That link will list cable descriptions, requirements, and specifications for UPS and PDU units.

This PDU has a detachable input power cord and allows for adaptability to country specific power requirements.

HP rack series

Description	Option Part Number
HP Intelligent Series Rack	
HP 642 1075 mm Pallet Intelligent Series Rack	BW903A
HP 642 1075 mm Shock Intelligent Series Rack	BW904A

HP rack options

Description	Option Part Number
HP USB Keyboard and Mouse [1]	
HP USB BFR with PVC Free US Keyboard/Mouse Kit	631341-B21
HP USB BFR with PVC Free UK Keyboard/Mouse Kit	631344-B21
HP USB BFR with PVC Free FR Keyboard/Mouse Kit	631346-B21
HP USB BFR with PVC Free ES Keyboard/Mouse Kit	631348-B21
HP USB BFR with PVC Free DE Keyboard/Mouse Kit	631358-B21
HP USB BFR with PVC Free JP Keyboard/Mouse Kit	631360-B21
HP USB BFR with PVC Free IT Keyboard/Mouse Kit	631362-B21
HP USB BFR with PVC Free CN Keyboard/Mouse Kit	631364-B21
HP USB BFR with PVC Free AE Keyboard/Mouse Kit	638212-B21
HP USB BFR with PVC Free RU Keyboard/Mouse Kit	638214-B21
HP USB BFR with PVC Free IN Keyboard/Mouse Kit	672097-D63
HP USB BFR with PVC Free AP-Intl Keyboard/Mouse Kit	672097-373
HP USB BFR with PVC Free Intl Keyboard/Mouse Kit	672097-B33
HP USB BFR with PVC Free PT Keyboard/Mouse Kit	672097-133
HP USB BFR with PVC Free TR Keyboard/Mouse Kit	672097-143
HP USB BFR with PVC Free CZ Keyboard/Mouse Kit	672097-223
HP USB BFR with PVC Free FI Keyboard/Mouse Kit	672097-353
HP USB BFR with PVC Free SE Keyboard/Mouse Kit	672097-103
HP USB BFR with PVC Free CH Keyboard/Mouse Kit	672097-113
HP USB BFR with PVC Free KR Keyboard/Mouse Kit	672097-KD3
HPE Server Console Switches	

Description	Option Part Number
HP 0x1x8 G3 KVM Console Switch	AF651A
HP 0x2x16 G3 KVM Console Switch	AF652A
HP TAA 0x2x16 G3 KVM Console Switch	AF653A
HP USB Remote Access Key for G3 KVM Console Switches	AF650A
HPE Rack Options	
HPE LCD8500 1U Rackmount Console Kit Models	
HP LCD8500 1U US Rackmount Console Kit	AF630A
HP LCD8500 1U UK Rackmount Console Kit	AF631A
HP LCD8500 1U DE Rackmount Console Kit	AF632A
HP LCD8500 1U FR Rackmount Console Kit	AF633A
HP LCD8500 1U JP Rackmount Console Kit	AF642A
HP LCD8500 1U RU Rackmount Console Kit	AF643A
HP LCD8500 1U INTL Rackmount Console Kit	AF644A
HP LCD8500 1U US TAA Rackmount Console Kit	AF645A
HPE LCD8500 1U Rackmount Console Kit Options	
HP Kit LCD 1.83 m Latch Display Port Cable	G7T29A
HPE Location Discovery Services LCD8500 Kit	TL052A
HPE Rack LED Light Kit	BW939A
HP TFT7600 G2 KVM Console Rackmount Keyboard Monitor [2]	
HP TFT7600 G2 KVM Console Rackmount Keyboard US Monitor	AZ870A
HP TFT7600 G2 KVM Console Rackmount Keyboard UK Monitor	AZ871A
HP TFT7600 G2 KVM Console Rackmount Keyboard DE Monitor	AZ872A
HP TFT7600 G2 KVM Console Rackmount Keyboard FR Monitor	AZ873A
HP TFT7600 G2 KVM Console Rackmount Keyboard IT Monitor	AZ874A
HP TFT7600 G2 KVM Console Rackmount Keyboard ES Monitor	AZ875A

Description	Option Part Number
HP TFT7600 G2 KVM Console Rackmount Keyboard DK Monitor	AZ876A
HP TFT7600 G2 KVM Console Rackmount Keyboard NO Monitor	AZ877A
HP TFT7600 G2 KVM Console Rackmount Keyboard SE/FI Monitor	AZ878A
HP TFT7600 G2 KVM Console Rackmount Keyboard CH Monitor	AZ879A
HP TFT7600 G2 KVM Console Rackmount Keyboard PT Monitor	AZ880A
HP TFT7600 G2 KVM Console Rackmount Keyboard BE Monitor	AZ881A
HP TFT7600 G2 KVM Console Rackmount Keyboard JP Monitor	AZ882A
HP TFT7600 G2 KVM Console Rackmount Keyboard RU Monitor	AZ883A
HP TFT7600 G2 KVM Console Rackmount Keyboard Intl Monitor	AZ884A
HP TFT7600 G2 KVM Console Rackmount Keyboard US TAA Monitor	AZ885A
HP Server Console Switches [3]	
HP Server Console 0x2x8 Port Analog Switch	AF616A
HP Server Console 0x2x16 Port Analog Switch	AF617A
HP TAA 0x2x16xKVM Server Console G2 Switch	AF626A
HP Server Console Switch G2 with Virtual Media & CAC [4]	
HP 0x2x16 KVM Server Console Switch G2 with Virtual Media CAC Software	AF618A
HP 0x2x32 KVM Server Console Switch G2 with Virtual Media CAC Software	AF619A
HP KVM CAT5 1-pack USB Interface Adapter	336047-B21

Description	Option Part Number
HP IP Console Switch G2 with Virtual Media & CAC [5]	
HP 1x4 USB/PS2 KVM Console Switch	AF611A
HP 1x1Ex8 KVM IP Console Switch G2 with Virtual Media CAC Software	AF620A
HP 2x1Ex16 KVM IP Console Switch G2 with Virtual Media CAC Software	AF621A
HP 4x1Ex32 KVM IP Console Switch G2 with Virtual Media CAC Software	AF622A
HPE USB and SD Options	
HPE Flash Media Kits for USB Drives	
HPE 8GB USB Enterprise Mainstream Flash Media D rive Key Kit	737953-B21

HP USB and SD options

Description	Option Part Number
HP Flash Media Kits for USB Drives	
HP 2GB USB Flash Media Drive Key Kit [1]	608447-B21
HP Enterprise Performance Flash Media Kits for Memory Cards	
HP 4GB microSD Enterprise Performance Flash Medi a Kit	647444-B21
HP Enterprise Mainstream Flash Media Kits for Memory Cards	
HP 8GB microSD Enterprise Mainstream Flash Media Kit	726116-B21

HP Care Pack services

Description	Option Part Number
Proactive Care [1]	
HP 3 years Next business day ProLiant ML310e Pro active Care Service	U6F65E
HP 3 years Next business day with Defective Media Retention ProLiant ML310e Proactive Care Service	U6F66E
HP 3 years 4 hour 24x7 ProLiant ML310e Proactive Care Service	U6F73E
HP 3 years 4 hour 24x7 with Defective Media Retent ion ProLiant ML310e Proactive Care Service	U6F74E
HPE 3 year Proactive Care 24x7 with CDMR ML310 e Service	U9E08E
Foundation Care	
HPE 3 year Foundation Care 24x7 ML310e Service	U2FR3E
HPE 3 year Foundation Care 24x7 wCDMR ML310e Service	U2FR5E
HPE 3 year Foundation Care 24x7 wDMR ML310e Service	U2FR4E
HPE 3 year Foundation Care Next business day ML3 10e Service	U2FR0E
HPE 3 year Foundation Care Next business day with CDMR ML310e Service	U2FR2E
HPE 3 year Foundation Care Next business day with DMR ML310e Service	U2FR1E
Collaborative Support [2]	
HP 3 years Next business day ProLiant ML310e Coll aborative Support	U6F63E
HP 3 years Next business day with Defective Media Retention ProLiant ML310e	U6F64E
Proactive Care Personalized Support Option [3]	
HP 3 years ISS ProactiveCare Personalized Support	U6W98E

Description	Option Part Number
Installation Services [4]	
HP Install ProLiant ML310e Service	U6G21E
HP Startup ProLiant ML310e Service	U6G23E

NOTE:

1. Collaborative Support plus Proactive services delivered by the onshore, local language Advanced Solution Center (ASC), end-to-end case ownership from a Technical Solution Specialists and Technical Account Manager who remotely delivers firmware/software revision management, proactive scans and incident trend reports. Recommended for customers running a virtualized infrastructure and/or customers who desire an enhanced call support experience.

2. Hardware break/fix plus 24x7 software diagnosis support with collaborative call management for a broad spectrum of 3rd Party software products including O/S and hypervisors. Recommended for customers procuring 3rd party SW O/S and hypervisors from the software vendors directly and deploying them on HP ProLiant servers.

3. To add an onsite Account Support Manager (ASM) to Proactive Care. ASM is an assigned resource who delivers support planning and brings technical expertise and best practices advices for the customer's environment.

4. Reduce the time required to get your system up and running and help minimize disruptions to your business.

OS Compatibility

Feature	Description
Operating systems and virtualization software support for ProLiant servers	• Microsoft Windows Server • Canonical Ubuntu • Red Hat Enterprise Linux (RHEL) • SUSE Linux Enterprise Server (SLES) • VMware

Subtopics

Useful links

Useful links

Descriptions	Direct Links
Alerts	**Click here to view "Alerts, Security Bulletin, Advisory, Notice and other documents of HPE ProLiant ML310e Gen8 v2 Server".**
Drivers and Softwares	**Click here to view "Drivers and Softwares, Firmware, Driver, BIOS, Application, Utility, Operating System, Software document of HPE ProLiant ML310e Gen8 v2 Server".**
Knowledge Articles	**Click here to view "Knowledge Articles, Troubleshooting, FAQ, How To, Informational document of HPE ProLiant ML310e Gen8 v2 Server".**
Manuals	**Click here to view "Manuals, Guides, Release Notes, Troubleshooting articles and other related document of HPE ProLiant ML310e Gen8 v2 Server".**
Videos	**Click here to access "Videos of Remove/Replace, Setup/Installation, Troubleshooting, Management/Operations of HPE ProLiant ML310e Gen8 v2 Server".**
Hewlett Packard Enterprise Parts Store	**Click here to access the Hewlett Packard Enterprise Parts Store for purchasing parts**.