Hewlett Packard Enterprise

HPE ConvergedSystem 300 for Microsoft Analytics Platform - Product Information Reference

HPE ConvergedSystem 300 for Microsoft Analytics Platform - Product Information Reference

© Copyright ,

Notices

The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

Confidential computer software. Valid license from Hewlett Packard Enterprise required for possession, use, or copying. Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.

Links to third-party websites take you outside the Hewlett Packard Enterprise website. Hewlett Packard Enterprise has no control over and is not responsible for information outside the Hewlett Packard Enterprise website.

Acknowledgments

Intel®, Itanium®, Optane™, Pentium®, Xeon®, Intel Inside®, and the Intel Inside logo are trademarks of Intel Corporation in the U.S. and other countries.

AMD and the AMD EPYC™ and combinations thereof are trademarks of Advanced Micro Devices, Inc.

Microsoft® and Windows® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Adobe® and Acrobat® are trademarks of Adobe Systems Incorporated.

Java® and Oracle® are registered trademarks of Oracle and/or its affiliates.

UNIX® is a registered trademark of The Open Group.

All third-party marks are property of their respective owners.

Revision history

Part number	Publication date	Edition	Summary of changes

Spare parts

Description	Spare Part Number
Cable	
small form factor (SFF)-8470 to QSFP 0.5 m (1.64 ft) InfiniBand (IB) copper cable - Fourteen Data Rate (FDR) 56 Gb/s cable with SFF-8470 connector on one end and Quad Small Form-factor Pluggable (QSFP) connector on the other end	674848-001
SFF-8470 to QSFP 1 m (3.28 ft) IB copper cable - FDR 56 Gb/s cable with SFF-8470 connector on one end and QSFP connector on the other end	674849-001
SFF-8470 to QSFP 3 m (9.84 ft) IB copper cable - FDR 56 Gb/s cable with SFF-8470 connector on one end and QSFP connector on the other end	674852-001
Mini SAS HD to Mini SAS HD external iPASS 4-lane cable assembly 1 meter (3.28 ft) long	717432-001
X240 40Gb QSFP+ to QSFP+ 1.0 m (3.28 ft) Direct Attach Copper (DAC) cable - 4X 10 GbE, 100 Ohm cable with Quad Small Form-factor Pluggable Plus (QSFP+) connectors permanently attached to each end	JG326-61001
X240 40Gb QSFP+ to QSFP+ 1.0 m (3.28 ft) DAC cable - 4X 10 GbE, 100 Ohm cable with QSFP+ connectors permanently attached to each end	JG326-61101
Chassis ground cable - 3.0 m (9.8 ft) long - Connects between the side of the switch chassis and a ground strip	5184-6723
Console port serial cable - 1.8 m (5.9 ft) long, 8-core shielded cable with (M) RJ-45 connector on one end and (F) DB-9 connector on the other end	5185-8627
2 and 8 cage SFF backplane cable kit	875566-001
Serial port cable 2x5p/9p	875571-001
Standard front USB power cable for use with 8SFF drives	780417-001
8-bay SFF power cable - Connects between the front 8-bay backplane board and the system I/O board	780418-001
Mini-SAS x4 double cable assembly - 770 mm (30.3 in) long - Connects between the 8-bay SFF backplane and the P440ar controller in PCIe slot 1 or the P840 controller	780419-001
Multimode OM3 LC/LC Fiber Optic cable, 15 m (49.2 ft) long - Duplex zipcord graded index 50/125um multimode fiber optic cable with LC connectors on each end (Aqua color) - Optical performance: 2000 MHz/km	491027-001
X240 10Gb SFP+ to SFP+ 7.0 m (23.0 ft) DAC cable - 10 GbE, 100 Ohm cable with Small Form-factor Pluggable Plus (SFFP+) connectors permanently attached to each end	JC784-61201

Description	Spare Part Number
X240 10Gb SFP+ to SFP+ 7.0 m (23.0 ft) DAC cable - 10 GbE, 100 Ohm cable with SFFP+ connectors permanently attached to each end	JC784-61301
X240 10Gb SFP+ to SFP+ 5.0 m (16.4 ft) DAC cable - 10 GbE, 100 Ohm cable with SFFP+ connectors permanently attached to each end	JG081-61201
X240 10Gb SFP+ to SFP+ 5.0 m (16.4 ft) DAC cable - 10 GbE, 100 Ohm cable with SFFP+ connectors permanently attached to each end	JG081-61301
X240 10Gb SFP+ to SFP+ 3.0 m (9.84 ft) DAC cable - 10 GbE, 100 Ohm cable with SFFP+ connectors permanently attached to each end	JD097-61201
X240 10Gb SFP+ to SFP+ 3.0 m (9.84 ft) DAC cable - 10 GbE, 100 Ohm cable with SFFP+ connectors permanently attached to each end	JD097-61301
X240 10Gb SFP+ to SFP+ 1.2 m (3.94 ft) DAC cable - 10 GbE, 100 Ohm cable with SFFP+ connectors permanently attached to each end	JD096-61201
X240 10Gb SFP+ to SFP+ 1.2 m (3.94 ft) DAC cable - 10 GbE, 100 Ohm cable with SFFP+ connectors permanently attached to each end	JD096-61301
X240 10Gb SFP+ to SFP+ 0.65 m (2.13 ft) DAC cable - 10 GbE, 100 Ohm cable with SFFP+ connectors permanently attached to each end	JD095-61201
X240 10Gb SFP+ to SFP+ 0.65 m (2.13 ft) DAC cable - 10 GbE, 100 Ohm cable with SFFP+ connectors permanently attached to each end	JD095-61301
X2A0 10 GbE SFP+ 20 m Active Optical Cable (AOC) assembly - 20 m (65.6 ft) long fiber optical cable with active SFFP+ transceivers permanently attached to each end - Provides 10Gb connectivity	JL292-61001
X2A0 10 GbE SFP+ 10 m AOC assembly - 10 m (32.8 ft) long fiber optical cable with active SFFP+ transceivers permanently attached to each end - Provides 10Gb connectivity	JL291-61001
X2A0 10 GbE SFP+ 7 m AOC assembly - 7 m (23.0 ft) long fiber optical cable with active SFFP+ transceivers permanently attached to each end - Provides 10Gb connectivity	JL290-61001
Embedded SATA double cable assembly - 730 mm (28.7 in) long - Connects between the 8-bay SFF backplane and the system I/O board	780420-001
Mini-SAS x8 **Y** cable assembly - 780 mm (30.7 in) long - Connects between the 8-bay SFF backplane and the P440ar controller in PCIe slot 1 or the P840 controller	780421-001
4-bay Large Form Factor (LFF) power cable - Connects between the front 4-bay backplane board and the system I/O board	780423-001

Description	Spare Part Number
Embedded SATA cable assembly - 570 mm (22.4 in) long - Connects between the 4-bay LFF backplane and the system I/O board	780424-001
Mini-SAS x4 cable assembly - 570 mm (22.4 in) long - Connects between the 4-bay LFF backplane and the P440ar controller or the H240ar host bus adapter	780425-001
Graphics Processing Unit (GPU) power cable - 85 mm long (3.3 in) long - Interconnects the graphics accelerator board to the additional power connector on the secondary riser board	780426-001
GPU power cable - 140 mm long (5.5 in) long - Interconnects the graphics accelerator board to the additional power connector on the primary riser board	780427-001
Optical drive **Y** SATA cable assembly, 900 mm (35.4 in) long - Combined drive connector with SATA cable and shorter power cable with 4-pin connector - Connects between the optical drive and the system I/O board SATA connector and drive power cable	782457-001
Mini-SAS x4 cable - Interconnects the optional 2-bay SFF backplane to the H240ar host bus adapter	787305-001
Mini-SAS x4 cable - Interconnects the optional 2-bay SFF backplane to the P440ar controller	787306-001
Mini-SAS x4 **Y** cable - Interconnects the 8-bay SFF backplane to the P440ar SAS controller	787307-001
Mini-SAS x4 cable - Interconnects the 4-bay LFF backplane to the P440ar SAS controller	787308-001
Transceiver	
X120 1Gb SFP LC BX-U transceiver - Small Form-factor Pluggable (SFFP) Gigabit BX (Bi-directional) **upstream** transceiver that provides a full-duplex Gigabit solution up to 10km (6.21 mi) on one single-mode fiber - Has one LC 1000BASE-BX10 port	0231A0LF
X120 1Gb SFP LC BX-U transceiver - SFFP Gigabit BX (Bi-directional) **upstream** transceiver that provides a full-duplex Gigabit solution up to 10km (6.21 mi) on one single-mode fiber - Has one LC 1000BASE-BX10 port	JD098-61201
X120 1Gb SFP LC BX-D transceiver - SFFP Gigabit BX (Bi-directional) **downstream** transceiver that provides a full-duplex Gigabit solution up to 10km (6.21 mi) on one single-mode fiber - Has one LC 1000BASE-BX10 port	0231A0LC
X120 1Gb SFP LC BX-D transceiver - SFFP Gigabit BX (Bi-directional) **downstream** transceiver that provides a full-duplex Gigabit solution up to 10km (6.21 mi) on one single-mode fiber - Has one LC 1000BASE-BX10 port	JD099-61201
X120 1Gb SFP LC LX transceiver - SFFP Gigabit transceiver with 1310nm laser that provides a full-duplex Gigabit solution up to 10km (6.21 mi) on single-mode or 550 m (1804 ft) on multimode fiber - Has one LC 1000BASE-LX port	0231A0LS

Description	Spare Part Number
X120 1Gb SFP LC LX transceiver - SFFP Gigabit transceiver with 1310nm laser that provides a full-duplex Gigabit solution up to 10km (6.21 mi) on single-mode or 550m (1804 ft) on multimode fiber - Has one LC 1000BASE-LX port	JD119-61201
X120 1Gb SFP LC SX transceiver - SFFP Gigabit transceiver with 850nm laser that provides a full-duplex Gigabit solution up to 550 m (1804 ft) on multimode fiber - Has one LC 1000BASE-SX port	0231A0LQ
X120 1Gb SFP LC SX transceiver - SFFP Gigabit transceiver with 850nm laser that provides a full-duplex Gigabit solution up to 550 m (1804 ft) on multimode fiber - Has one LC 1000BASE-SX port	JD118-61201
X125 1Gb SFP LH40 transceiver - SFFP Gigabit transceiver with 1310nm laser that provides a full-duplex Gigabit solution up to 40km (24.9 mi) on single-mode fiber - Has one LC 1000BASE-LH port	02312170
X125 1Gb SFP LH40 transceiver - SFFP Gigabit transceiver with 1310nm laser that provides a full-duplex Gigabit solution up to 40km (24.9 mi) on single-mode fiber - Has one LC 1000BASE-LH port	2312170
X125 1Gb SFP LH40 transceiver - SFFP Gigabit transceiver with 1310nm laser that provides a full-duplex Gigabit solution up to 40km (24.9 mi) on single-mode fiber - Has one LC 1000BASE-LH port	JD061-61101
X130 10G SFP+ LC SR transceiver - SFFP+ 10Gb SR standard, with 850nm laser that provides a 10Gb connectivity up to 300 m (984 ft) on multimode fiber - Has one LC 10 GbE port	0231A0LG
X130 10G SFP+ LC SR transceiver - SFFP+ 10Gb SR standard, with 850nm laser that provides a 10Gb connectivity up to 300 m (984 ft) on multimode fiber - Has one LC 10 GbE port	JD092-61201
X130 10G SFP+ LC LRM transceiver - SFFP+ 10Gb LRM standard, with 1310nm laser that provides a 10Gb connectivity up to 220 m (722 ft) on multimode fiber - Has one LC 10 GbE port	0231A0LW
X130 10G SFP+ LC LRM transceiver - SFFP+ 10Gb LRM standard, with 1310nm laser that provides a 10Gb connectivity up to 220 m (722 ft) on multimode fiber - Has one LC 10 GbE port	JD093-61201
X130 10G SFP+ LC LR Transceiver - SFFP+ 10Gb LR standard, with 1310nm laser that provides a 10Gb connectivity up to 10km (6.21 mi) on single-mode fiber - Has one LC 10 GbE port	0231A0LJ
X130 10G SFP+ LC LR transceiver - SFFP+ 10Gb LR standard, with 1310nm laser that provides a 10Gb connectivity up to 10km (6.21 mi) on single-mode fiber - Has one LC 10 GbE port	JD094-61201
X130 10G SFP+ LC ER transceiver - SFFP+ 10Gb ER standard, with 1550nm laser that provides a 10Gb connectivity up to 40km (24.9 mi) on single-mode fiber - Has one LC 10 GbE port	JG234-61001
X130 10G SFP+ LC ER transceiver - SFFP+ 10Gb ER standard, with 1550nm laser that provides a 10Gb connectivity up to 40km (24.9 mi) on single-mode fiber - Has one LC 10 GbE port	JG234-61101

Description	Spare Part Number
Multimode OM3 LC/LC Fiber Optic cable, 2.0 m (6.56 ft) long - Duplex zipcord graded index 50/125um multimode fiber optic cable with LC connectors on each end (Aqua color) - Optical performance: 2000 MHz/km	491025-001
Multimode OM3 LC/LC Fiber Optic cable, 5.0 m (16.4 ft) long - Duplex zipcord graded index 50/125um multimode fiber optic cable with LC connectors on each end (Aqua color) - Optical performance: 2000 MHz/km	491026-001
Cage	
PCI riser cage assembly - Includes the metal T shaped cage assembly - Supports the PCI boards in slots one and two (Does NOT include the PCI riser board)	775421-001
Optional universal media bay cage assembly - Includes the optical drive bay, a VGA port, an additional USB port, VGA/USB SATA, DVD/MLB cables - For use with servers configured with SFF drives	775427-001
PCI riser cage assembly - Includes the metal T shaped cage assembly - Supports the PCI boards in slots one and two (Does NOT include the PCI riser board)	775421-001
Express bay SFF hard drive cage assembly (Replaces the universal media bay cage assembly) - Includes the two-bay drive cage assembly, backplane board, mini-SAS cable, and backplane power cable	823791-001
Secondary PCIe3 riser cage assembly - Includes the metal cage and secondary PCIe3 riser board - Provides a low-profile x16 PCIe3 in slot 3 of the server - Plugs in the secondary riser slot on the system I/O board	775420-001
Expansion kit	
Flex-bay USB/VGA SFF kit - Includes front panel VGA port, USB port, cable assembly VGA/USB 27.5 in (700 mm) long	775426-001
Flex-bay USB/VGA LFF kit - Includes front panel VGA port, USB port, cable assembly VGA/USB 32.2 in (820 mm) long	775411-001
Controller	
Smart Array P408i-a SR modular controller - 8-SAS lanes across 2 x4 internal Mini-SAS ports, 2GB flash-backed write cache, 12 Gb/s SAS, 6Gb/s SATA, RAID 0, 1, 5, 6, 10, 50, 60, 1 Advanced Data Mirroring (ADM), 10 ADM	836260-001
Smart Array E208e-p SR controller - SAS/SATA interface, 8-SAS lanes across (No flash-backed write cache) 2 x4 external Mini-SAS ports, 12 Gb/s SAS, 6Gb/s SATA,PCI Express 3.0 x8 link, RAID 0, 1, 5, 10	836267-001
Smart Array P440ar - Adaptive RAID On Chip (AROC) daughterboard controller - Two internal x4 mini-SAS ports, 2GB of embedded Flashed Back Write Cache (FBWC) memory, 12 Gb/s SAS transfer rates - Doeshost bus adapter (HBA) not include battery, FBWC cannot be ordered separately	749796-001

Description	Spare Part Number
H241 smart Host Bus Adapter (HBA) board - PCIe3 x8 SAS adapter - External 2-port x4 mini-SAS HD connectors - For up to 12 Gb/s transfer rate SAS and 6 Gb/s transfer rate SATA (Does NOT support cache modules)	750054-001
Smart Array P440ar Adaptive RAID controller board - PCIe3 x8 , two internal x4 mini-SAS ports and 2GB of FBWC memory - For up to 12 Gb/s transfer rate - Does not include battery, FBWC cannot be ordered separately	775413-001
Express bay bridge board - Non-Volatile Memory express (NVMe) interface PCIe controller board with three internal 68-pin connectors for controlling up to six NVMe drives - Requires one PCIe (Gen 3) x16 slot - For SFF NVMe drives installed in the 2-drive express bay (Replacing the universal media bay) and 4 front bay drives (drive bays number 5 through 10)	824019-001
Smart Array P440ar controller board with cut heatsink (For use with a GPU in the secondary PCI slot) - PCIe3 x8 SAS controller - Has two internal x4 mini-SAS ports and 2GB of FBWC memory - For up to 12 Gb/s SAS and 6 Gb/s SATA	786760-001
Smart Array P840ar PCIe3 x8 SAS controller – RAID daughterboard controller - Two internal x8 mini-SAS double-wide ports and 2GB of FBWC memory - Up to 12 Gb/s transfer rate SAS, 6 Gb/s SATA - Does not include battery, FBWC cannot be ordered separately	848147-001
Cage	
Power block assembly (Cage) - Holds I/O and fan modules	689128-001
Chassis	
Base Chassis Assembly, Mod0, D6020	822474-001
Cover	
Hard drive blank (cover) - To fill empty SFF drive bays - for Gen8 servers	670033-001
DL560/DL360 Gen9 blank cover kit - Contains power supply blank cover, Flexible LOM blank cover, fan slot blank, and Heat Sink blank	775423-001
Hard drive blank (Cover) - To fill empty SFF drive bays - Gen8	667276-001
Blank cover kit - Contains one power supply blank cover, two 8-bay SFF hard drive cage blank covers, one secondary PCI blank cover, two fan slot blanks, and one Smart Array Controller blank	777301-001
Hard drive blank (cover) - To fill empty 3.5 in LFF drive bay slots	389015-001
PCI riser cage blank cover - For the full height (Left side from rear view) PCI card slot	775431-001
PCI riser cage blank cover - For the low profile (Right side from rear view) PCI card slot	785499-001
Drive	

Description	Spare Part Number
SATA M.2 single drive module enablement kit - Includes PCIe3 x8 riser board for single M.2 module, one 120GB SATA SSD M.2 type 2280 (80.0mm × 22.0 mm x 3.5 mm) form factor drive module, 6 Gb/s transfer rate , SATA cable - Supports DL/ML Gen9 only	797907-001
SATA M.2 dual drive module enablement kit - Includes PCIe3 x8 riser board for dual M.2 modules, two 120GB SATA SSD M.2 type 2280 (80.0mm × 22.0cmm x 3.5cmm) form factor , 6 Gb/s transfer rate, Value Endurance (VE) , two SATA cables - Supports DL/ML Gen9	797908-001
SATA M.2 single drive module enablement kit - Includes PCIe3 x8 riser board for single M.2 module and one 340GB SATA SSD M.2 type 2280 (80.0 mm × 22.0 mm x 3.5 mm) form factor, Read Intensive-2 (RI), 6 Gb/s transfer rate drive module	835801-001
340GB SATA SSD M.2 dual drive module enablement kit - Includes PCIe3 x8 riser board for dual M.2 module and two SSD drives, RI, 6 Gb/s transfer rate - Supports DL/ML Gen	835802-001
600GB SAS hard drive - 12 Gb/s interface, 10,000 RPM, 2.5 in SFF, Smart Carrier (SC), Digitally Signed (DS) firmware	872736-001
2TB SAS hard drive - 12 Gb/s interface, 7,200 RPM, 3.5 in LFF, Midline (MDL) drive	864917-001
4TB SAS hard drive - 12 Gb/s interface, 7,200 RPM, 3.5 in LFF, MDL	864918-001
600GB hot-plug SAS hard disk drive - 12 Gb/s transfer rate, 10,000 RPM, 2.5 in SFF, SmartDrive Carrier (SC) - For use with Gen8/Gen9 or newer	781577-001
2TB SATA hard drive - 12 Gb/s interface,7,200 RPM, 3.5 in LFF	826549-001
SATA DVD-RW optical drive (Jack black color) - 8X DVD-ROM read, 24X CD-ROM read, 9.5 mm (0.374 in) height	652297-001
SATA DVD-ROM optical drive (Jack black color) - 8X DVD-ROM read, 24X CD-ROM read, 9.5 mm (0.374 in) height - Requires the installation of the Universal Media Bay	652296-001
80GB hot-plug Solid State Drive (SSD) - SATA interface, 6 Gb/s transfer rate, 2.5 in SFF, VE, Enterprise Boot, SmartDrive Carrier (SC) - Supports Gen8 servers and beyond only	734562-001
80GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 3.5 in LFF, VE, Enterprise Boot, SmartDrive Carier (SC) - Supports Gen8 servers and beyond	734563-001
100GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 2.5 in SFF, Multi-Level Cell (MLC), Mainstream Endurance (ME), Enterprise Mainstream (EM), SmartDrive Carrier (SC) - For use with Gen8 servers and beyond	692164-001
100GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 3.5 in LFF, MLC, ME, EM, SmartDrive Carrier (SC) - For use with Gen8 servers and beyond	692160-001
120GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 3.5 in LFF, Enterprise Boot, SmartDrive Carrier (SC) - Supports Gen8 servers and beyond only	718300-001

Description	Spare Part Number
146GB hot-plug dual-port SAS hard disk drive - 6 Gb/s transfer rate, 15,000 RPM, 2.5 in SFF, Enterprise, SmartDrive Carrier (SC) - Not for use in MSA products - For use with Gen8/Gen9 or newer	653950-001
200GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 3.5 in LFF, MLC, ME, EM, SmartDrive Carrier (SC) - For use with Gen8 servers and beyond	692161-001
200GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 2.5 in SFF, MLC, ME, EM, SmartDrive Carrier (SC) - For use with Gen8 servers and beyond	692165-001
200GB hot-plug SSD - SAS interface, 12 Gb/s transfer rate, 2.5 in SFF, ME, EM, SmartDrive Carrier (SC) - Supports Gen8 servers and beyond only	741224-001
200GB hot-plug SSD - SAS interface, 12 Gb/s transfer rate, 2.5 in SFF, High Endurance, Enterprise Performance, SmartDrive carrier (SC) - Supports Gen8 servers and beyond only	741230-001
240GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 2.5 in SFF, VE, SmartDrive Carrier (SC) - For use with Gen8 servers and beyond	718137-001
240GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 3.5 in LFF, VE, SmartDrive Carrier (SC) - For use with Gen8 servers and beyond	718294-001
300GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 2.5 in SFF, VE, Enterprise Value (EV), SmartDrive Carrier (SC)	739954-001
300GB hot-plug dual-port SAS hard disk drive - 6 Gb/s transfer rate, 10,000 RPM, 2.5 in SFF, Enterprise, SmartDrive Carrier (SC) - Not for use in MSA products - For use with Gen8/Gen9 or newer	653955-001
120GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 2.5 in SFF, VE, Enterprise Boot, SmartDrive Carrier (SC) - Supports Gen8 servers and beyond only	718136-001
300GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 3.5 in LFF, VE, EV, SmartDrive Carrier (SC)	739955-001
400GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 2.5 in SFF, MLC, ME, EM, SmartDrive Carrier (SC) - For use with Gen8 servers and beyond	692166-001
400GB hot-plug SSD - SAS interface, 12 Gb/s transfer rate, 2.5 in SFF, ME, EM, SmartDrive Carrier (SC) - Supports Gen8 servers and beyond only	741226-001
400GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 3.5 in LFF, MLC, ME, EM, SmartDrive Carrier (SC) - For use with Gen8 servers and beyond	692162-001
400GB hot-plug SSD - SAS interface, 12 Gb/s transfer rate, 2.5 in SFF, High Endurance, Enterprise Performance, SmartDrive Carrier (SC) - Supports Gen8 servers and beyond only	741232-001
400GB NVMe SSD - NVMe interface, Write Intensive (WI), 2.5 in SFF, ME, Smart Carrier 2 (SC2), Power LossProtection (PLP) - Supports select Gen9 servers	765059-001

Description	Spare Part Number
400GB NVMe SSD - NVMe interface, Mixed Use (MU), 2.5 in SFF, Light Endurance (LE), SC2, PLP - Supports select Gen9 servers	765063-001
400GB NVMe SSD - NVMe interface, RI, 2.5 in SFF, VE, SC2, PLP - Supports select Gen9 servers	765067-001
450GB hot-plug dual-port SAS hard disk drive - 6 Gb/s transfer rate, 10,000 RPM, 2.5 in SFF, Enterprise, SmartDrive Carrier (SC) - Not for use in MSA products - For use with Gen8/Gen9 or newer	653956-001
480GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 2.5 in SFF, VE, SmartDrive Carrier (SC),supports PLP - For use with Gen8 servers and beyond	718138-001
480GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 3.5 in LFF, VE, SmartDrive Carrier (SC) - For use with Gen8 servers and beyond	718296-001
500GB hot-plug dual-port SAS hard disk drive - 6 Gb/s transfer rate, 7,200 RPM, 2.5 in SFF, MDL, SmartDrive Carrier (SC) - Not for use in MSA products - For use with Gen8/Gen9 or newer	653953-001
500GB hot-plug SATA hard disk drive - 7,200 RPM, 6 Gb/s transfer rate, 3.5 in LFF, MDL, SmartDrive Carrier (SC) - Not for use in MSA products	658103-001
600GB hot-plug dual-port SAS hard disk drive - 6 Gb/s transfer rate, 10,000 RPM, 2.5 in SFF, SmartDrive Carrier (SC) - Not for use in MSA products - For use with Gen8/Gen9 or newer	653957-001
600GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 2.5 in SFF, VE, EV, SmartDrive Carrier (SC)	739959-001
600GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 3.5 in LFF, VE, EV, SmartDrive Carrier (SC)	739960-001
800GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 2.5 in SFF, MLC, ME, EM, SmartDrive Carrier (SC) - For use with Gen8 servers and beyond	692167-001
800GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 2.5 in SFF, VE, SmartDrive Carrier (SC),supports PLP - For use with Gen8 servers and beyond	718139-001
800GB hot-plug SSD - SAS interface, 12 Gb/s transfer rate, 2.5 in SFF, ME, EM, SmartDrive Carrier (SC) - Supports Gen8 servers and beyond only	741228-001
800GB hot-plug SSD - SAS interface, 12 Gb/s transfer rate, 2.5 in SFF, High Endurance, Enterprise Performance, SmartDrive Carrier (SC) - Supports Gen8 servers and beyond only	741234-001
800GB hot-plug SSD - SAS interface, 12 Gb/s transfer rate, 2.5 in SFF, VE, RI, EV, SC - Supports Gen8 servers and beyond only	762749-001
800GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 3.5 in LFF, MLC, ME, EM, SmartDrive Carrier (SC) - For use with Gen8 servers and beyond	692163-001
800GB hot-plug SSD - SAS interface, 12 Gb/s transfer rate, 3.5 in LFF, VE, Smart LFF to SCC - Supports Gen8 servers and beyond only	762750-001

Description	Spare Part Number
800GB hot-plug SSD - SATA interface, 6 Gb/s transfer rate, 3.5 in LFF, VE, SmartDrive Carrier (SC) - For use with Gen8 servers and beyond	718298-001
800GB NVMe SSD - NVMe interface, WI, 2.5 in SFF, ME, SC2, PLP - Supports select Gen9 servers	765060-001
800GB NVMe SSD - NVMe interface, MU, 2.5 in SFF, LE, SC2, supports PLP - Supports select Gen9 servers	765064-001
900GB hot-plug dual-port SAS hard disk drive - 6 Gb/s transfer rate, 10,000 RPM, 2.5 in SFF, Enterprise, SmartDrive Carrier (SC) - For use with Gen8/Gen9	653971-001
1TB hot-plug SATA hard disk drive - 7,200 RPM, 6 Gb/s transfer rate, 2.5 in SFF, MDL, SmartDrive Carrier (SC) - Not for use in MSA products	656108-001
1TB hot-plug dual-port SAS hard disk drive - 6 Gb/s transfer rate, 7,200 RPM, 3.5 in LFF, MDL, SmartDrive Carrier (SC) - Not for use in MSA products - For use with Gen8/Gen9 or newer	653947-001
1TB hot-plug SATA hard disk drive - 6 Gb/s transfer rate, 7,200 RPM, 3.5 in LFF, MDL, SmartDrive Carrier (SC) - Not for use in MSA products	657739-001
1TB hot-plug dual-port SAS hard disk drive - 6 Gb/s transfer rate, 7,200 RPM, 2.5 in SFF, MDL, SmartDrive Carrier (SC) - Not for use in MSA products - For use with Gen8/Gen9 or newer	653954-001
1.2TB hot-plug dual-port SAS hard disk drive - 6 Gb/s transfer rate, 10,000 RPM, 2.5 in SFF, Enterprise, SmartDrive Carrier (SC) - For use with Gen8/Gen9	718292-001
1.2TB NVMe SSD - NVMe interface, RI, 2.5 in SFF, VE, SC2, PLP - Supports select Gen9 servers	765068-001
1.6TB hot-plug SSD - SAS interface, 12 Gb/s transfer rate, 2.5 in SFF, VE, RI, EV, SC - Supports Gen8 servers and beyond only	762751-001
1.6TB NVMe SSD - NVMe interface, WI, 2.5 in SFF, ME, SC2, PLP - Supports select Gen9 servers only	765061-001
1.6TB NVMe SSD - NVMe interface, MU, 2.5 in SFF, LE, SC2, supports PLP - Supports select Gen9 servers	765065-001
1.6TB hot-plug SSD - SAS interface, 12 Gb/s transfer rate, 3.5 in LFF, VE, smart LFF to SCC - For use with Gen8 servers and beyond	762752-001
2TB hot-plug SATA hard disk drive - 6 Gb/s transfer rate, 7,200 RPM, 3.5 in LFF, MDL, SmartDrive Carrier (SC) - Not for use in MSA products	658102-001
2TB hot-plug dual-port SAS hard disk drive - 7,200 RPM, 6 Gb/s transfer rate, 3.5 in LFF, MDL, SmartDrive Carrier (SC) - Not for use in MSA products - For use with Gen8/Gen9 or newer	653948-001
2.0TB NVMe SSD - NVMe interface, WI, 2.5 in SFF, ME, SC2, PLP - Supports select Gen9 servers	765062-001
2.0TB NVMe SSD - PCIe NVMeinterface, MU, 2.5 in SFF, LE, SC2, supports PLP - Supports select Gen9 servers	765066-001

Description	Spare Part Number
2.0TB NVMe SSD - PCIe NVMe interface, RI, 2.5 in SFF, , ME, SC2, PLP - Supports select Gen9 server	765069-001
3TB hot-plug SATA drive - 7,200 RPM, 6 Gb/s transfer rate, 3.5 in LFF, MDL, SmartDrive Carrier (SC) - Not for use in MSA products	628182-001
3TB hot-plug dual-port SAS hard disk drive - 7,200 RPM, 6 Gb/s transfer rate, 3.5 in LFF, MDL, SmartDrive Carrier (SC) - Not for use in MSA products - For use with Gen8/Gen9 or newer	653959-001
4TB hot-plug SATA hard disk drive - 6 Gb/s transfer rate, 7,200 RPM, 3.5 in LFF, MDL, SmartDrive Carrier (SC)	693720-001
Fan	
Fan - For use with 36-port IB, Enhanced Data Rate (EDR) managed switch (Power side inlet)	841987-001
A58x0AF/A59x0AF fan tray assembly (LSWM1FANSC) - Blows air into the switch (Back to front) - Includes the fan tray with two 40 x 40 x 28 mm (1.57 x 1.57 x 1.1 in) fans - 45CFM max air flow - NOTE: The two fan trays in the switch must be the same type	JC682-61001
A58x0AF/A59x0AF fan tray assembly (LSWM1FANSC) - Blows air into the switch (Back to front) - Includes the fan tray with two 40 x 40 x 28 mm (1.57 x 1.57 x 1.1 in) fans - 45CFM max air flow - NOTE: The two fan trays must have the same part number	JC682-61101
A58x0AF/A59x0AF fan tray assembly (LSWM1FANSC) - Blows air into the switch (Back to front) - Includes the fan tray with two 40 x 40 x 28 mm (1.57 x 1.57 x 1.1 in) fans - 45CFM max air flow - NOTE: The two fan trays must have the same part number	JC682-61201
A58x0AF/A59x0AF fan tray assembly (LSWM1FANSCB) - Exhausts air from the switch (Front to back) - Includes the fan tray with two 40 x 40 x 28 mm (1.57 x 1.57 x 1.1 in) fans - 45CFM max air flow - NOTE: The two fan trays in the switch must be the same type	JC683-61001
A58x0AF/A59x0AF fan tray assembly (LSWM1FANSCB) - Exhausts air from the switch (Front to back) - Includes the fan tray with two 40 x 40 x 28 mm (1.57 x 1.57 x 1.1 in) fans - 45CFM max air flow - NOTE: The two fan trays must have the same part number	JC683-61101
X711 fan tray assembly (LSWM1HFANSCB) - Exhausts air from the switch (Front to back) - Includes the fan tray with two 40 x 40 x 56 mm (1.57 x 1.57 x 2.2 in) fans - 70CFM max air flow - NOTE: The two fan trays in the switch must have the same part number	JG552-61001
X712 fan tray assembly (LSWM1HFANSC) - Blows air into the switch (Back to front) - Includes the fan tray with two 40 x 40 x 56 mm (1.57 x 1.57 x 2.2 in) fans - 70CFM max air flow - NOTE: The two fan trays in the switch must have the same part number	JG553-61001
Active cool fan 200 module assembly - Includes the fan housing assembly with high flow fan tube, fan motor with impeller, and light pipe assembly	413996-001
Standard fan module	875283-001
Standard efficiency fan assembly module - Mounts in the fan cage between the front hard drive bays and the system I/O board	775415-001

Description	Spare Part Number
High-efficiency fan assembly module - Mounts in the fan cage between the front hard drive bays and the system I/O board - (Seven used)	775416-001
Power cord	
AC Power Distribution Unit (PDU) power cord (Black) - 250 V ac, 16 AWG, 2.0 m (6.6 ft) long - Includes IEC-320 C14 (M) connector to IEC 320 C13 (F) connector	142258-001
PDU power cord	416151-B21
AC PDU power cord (Black) - 250 V, 16 AWG, 3 m (9.8 ft) long - Has C14 (M) connector to C13 (F) connector	142258-003
Power cord OPT-905 - 3-wire, 3.0 m (9.8 ft) long	142263-003
AC power 3-wire, 1.83 m (6 ft) long cord black	491683-AA1
Power cord (Black) - Three conductor, 1.82 m (6 ft) long - Has straight (F) C13 receptacle (For 100 V in Japan)	538266-001
PDU power cord (Black) - IEC 320 C14 (M) connector to right angle IEC 320 C13 (F) connector - 3.6 m (11.8 ft) long - 250 V, 16A	142258-004
Power supply	
Power supply - For use with 36-port IB,EDR managed switch (Power side)	841985-001
A58x0AF/A59x0AF 650 W AC power supply - 100-240 V ac (50-60 Hz) input to 12 V dc and 5 V dc output power supply - Provides redundant and supports load sharing power if added as the second power supply	JC680-61001
A58x0AF/A59x0AF 650 W AC power supply - 100-240 V ac (50-60 Hz) input to 12 V dc and 5 V dc output power supply - Multiple power supplies must have the same part number, supports redundant power, and load sharing	JC680-61101
A58x0AF/A59x0AF 650 W DC power supply - -40 V dc to -60VDC input to 12 V dc and 5 V dc output power supply - Provides redundant and supports load sharing power if added as the second power supply	JC681-61001
A58x0AF/A59x0AF 650 W DC power supply - -40 V dc to -60 V dc input to 12 V dc and 5 V dc output power supply - Multiple power supplies must have the same part number, supports redundant power, and load sharing	JC681-61101
800 W AC Flexible Slot **Platinum Plus** hot-plug low Halogen power supply - Supports Power Discovery Services (Blue plug) - 96% efficiency- Mixing of power supplies in the same server is not supported, must be the same spare part number	866730-001
1200 W Common Slot Platinum hot-plug power supply - Installs in computer chassis as primary or redundant supply (96% efficiency) - Requires 100-240 V ac at 50/60 Hz - Multiple power supplies used in the sever must be the same model number	643933-001

Description	Spare Part Number
1200 W,12 V, AC Common Slot (CS) **Platinum Plus** hot-plug power supply - Supports Power Discovery Services (Blue plug), light on (LTN) - 96% efficiency - Mixing of power supplies in the same server is not supported, must be the same spare part number	710708-001
1400 W Flex Slot Platinum Plus hot-plug power supply - Installs in computer chassis as primary or redundant supply (94% efficiency) - Requires 200-240 V ac at 50/60 Hz - Multiple power supplies used in the sever must be the same model number	754383-001
1200 W AC CS **Platinum Plus** hot-plug power supply - Supports Power Discovery Services (Blue plug) - 94% efficiency, 100-240 V ac at 50/60 Hz - Mixing of power supplies in the same server is not supported, must be the same spare part number	660185-001
800 W Flex Slot Platinum hot-plug power supply - Installs in computer chassis as primary or redundant supply (94% efficiency) - Requires 100 - 240 V ac at 50/60 Hz - Multiple power supplies used in the sever must be the same model number	754381-001
500 W Flex Slot Platinum hot-plug power supply - Installs in computer chassis as primary or redundant supply (94% efficiency) - Requires 100-240 V ac at 50/60 Hz - Multiple power supplies used in the sever must be the same model number	754377-001
800W Flex Slot Titanium hot-plug power supply - Installs in computer chassis as primary or redundant supply (96% efficiency) - Requires 200-240 V ac at 50/60 Hz - Multiple power supplies used in the sever must be the same model number	754378-001
800 W Flex Slot Universal hot-plug power supply - Installs in computer chassis as primary or redundant supply (94% efficiency) - Requires 200-277 V ac at 50/60 Hz or 380 V dc - Multiple power supplies used in the sever must be the same model number	754379-001
800 W Flex Slot hot-plug DC power supply - Installs in computer chassis as primary or redundant supply (92% efficiency) - Requires -48 V dc nominal input voltage - Multiple power supplies used in the sever must be the same model number	754382-001
Processor	
Intel Xeon Gold 6134 Eight-Core 64-bit processor - 3.20 GHz (Skylake) 24.75MB Level-3 cache, 130 W Thermal Design Power (TDP), socket FCLGA3647	875723-001
Product	
HP 3.5 in Hard Drive Blank International Module	351579-B21
Product Description not available	864260-B21
HP 1U 800 W 12 V HTPLG RED	723602-B21
Rack Mount Kit	
Rack mount kit - Includes two front rack mount brackets and eight M4 screws to secure the brackets to the switch chassis	5066-0850
Rack mount kit - Includes two short rear rack mounted support brackets, two **C** shaped chassis mounted slide brackets, and four M4 screws to mount the slide brackets to the chassis	5185-8681

Description	Spare Part Number
Rack mounting easy install kit 1U - For 1U server models with SFF drives - Includes left and right friction type slide rails	875544-001
Rack mounting kit enclosure - 10U	410893-001
Rackmount kit - Includes right and left shelf rails, and M5 square hole cage and clip nuts	432461-001
Rack mounting kit enclosure - 10U	410893-001
Rack mounting easy install kit 1U - For 1U server models with SFF drives - Includes left and right friction type slide rails	744111-001
Rack mounting rail kit - For 1U server models with SFF drives - Includes left and right telescoping ball bearing type slide rails	675042-001
Rack mounting easy install kit 1U - For 1U server models with LFF drives - Includes left and right friction type slide rails	744112-001
Rail	
Internal rail kit - For use with the MDS 600	455980-001
Switch	
A5900AF-48G-4XG-2QSFP+ switch - Includes 48 RJ45 10/100/1000BASE-T autosensing ports, two QSFP+ ports, four 10Gb SFP+ ports, two fan tray slots, and two power supply slots	JG510-61001
IB, Enhanced Data Rate/Ethernet (EDR) 100 Gb/s 36-port, power-side-inlet airflow managed switch	836747-001
Adapter	
IB FDR/Ethernet FlexibleLOM - 10Gb/40Gb 2-port 544+ QSFP adapter	764736-001
Ethernet 1Gb 4-port 331FLR adapter, FlexibleLOM form-factor - Has four 10/100/1000BASE-T RJ45 ports and 276MB integrated memory - Requires one x4 PCI (Gen 2) FlexibleLOM slot (Mechanically compatible with x8 and x16 PCI FlexibleLOM slots)	789897-001
H240ar smart HBA board - AROC daughterboard controller - Has two internal x4 mini-SAS ports - For up to 12 Gb/s transfer rate SAS and 6 Gb/s transfer rate SATA, 4GB Flash based write cache (FBWC)	749997-001
Ethernet 1Gb 4-port 331T adapter - Has four 10/100/1000BASE-T RJ45 ports and 4Mb integrated buffer memory - Requires one x4 (Gen2) PCI Express slot (Compatible with x8 and x16 PCI Express slots) - Requires CAT5 or better twisted-pair	649871-001
Ethernet 1Gb 2-port 332T adapter - Has two 10/100/1000BASE-T RJ45 ports - Requires one x1 (Gen2) PCI Express slot (Compatible with x1, x4, x8 and x16 PCI Express slots) - Requires CAT5 or better twisted-pair	616012-001
Ethernet 1Gb 2-port 361T adapter - Has two 10/100/1000BASE-T RJ-45 ports and 256MB integrated buffer memory - Requires one x4 PCI Express slot (Compatible with x8 and x16 PCI Express slots) - Requires CAT5E or better twisted-pair	656241-001

Description	Spare Part Number
Ethernet 1Gb 4-port 366T adapter - Has four 10/100/1000BASE-T RJ45 ports - Requires one x4 (Gen2) PCI Express slot (Compatible with x4, x8 and x16 PCI Express slots) - Requires CAT5 or better twisted-pair	816551-001
Ethernet 10Gb 2-port 530T Adapter - Has two 10Gb RJ45 ports and 256MB integrated buffer memory - Requires one x8 (Gen2) PCI Express slot - Requires CAT6 UTP or better twisted-pair	657128-001
Ethernet 10Gb 2-port 530SFP+ Adapter - Has two 10Gb SFP+ ports and 256MB integrated buffer memory - Requires one x8 (Gen2) PCI Express slot	656244-001
Ethernet10Gb 2-port 546SFP+ adapter - Dual 10Gb SFFP+ ports provide up to 40Gb Bi-directional per adapter, includes 128MB of onboard memory	790314-001
Ethernet 10Gb 2-port 557SFP+ adapter - Has two 10 Gbe SFP+ ports and 128MB integrated memory - Provide up to 40Gb Bi-directional per adapter - Requires one x8 PCI (Gen 3) Express slot	792834-001
Ethernet 10Gb 2-port 560SFP+ adapter - Has two 10 Gbe SFP+ ports and 256MB integrated memory - Provides up to 40 Gb/s Bi-directional per adapter - Requires one x8 PCI (Gen 2) Express slot (Backward compatible with x4 PCI Express)	669279-001
Ethernet 10Gb 2-port 561T adapter - Has two 10G BASE-T RJ45 ports and has Intel X540 processor - Requires one x8 (Gen2) PCI Express slot - Requires CAT6A UTP or better twisted-pair	717708-001
Ethernet 10Gb 2-port 562SFP+ adapter - Has two 10 Gbe SFP+ ports and 256MB integrated memory - Provides up to 40 Gb/s Bi-directional per adapter - Requires one x8 PCI (Gen 3) Express slot (Backward compatible with x4 PCI Express)	790316-001
Ethernet 1Gb 4-port 366FLR adapter, FlexibleLOM form-factor - Has four 10/100/1000BASE-T RJ45 ports - Requires one x4 PCI (Gen 2) FlexibleLOM slot (Mechanically compatible with x8 and x16 PCI FlexibleLOM slots) - Requires CAT-5e or better twisted pair	669280-001
FlexFabric 10Gb 2-port 533FLR-T adapter, FlexibleLOM form-factor - Has two 10G BASE-T RJ45 ports and 256MB integrated memory - Requires one x8 PCI (Gen 2) FlexibleLOM slot - Requires CAT6 UTP or better twisted-pair	701534-001
FlexFabric 10Gb Ethernet 2-port 534FLR-SFP+ adapter, FlexibleLOM form-factor - Has two 10Gbe SFP+ ports and 256MB integrated memory - Provide up to 40Gb Bi-directional per adapter - Requires one x8 PCI (Gen 2) Express slot	701531-001
FlexFabric Ethernet 10Gb 2-port 546FLR-SFP+ adapter, FlexibleLOM form-factor - Has two 10Gbe SFP+ ports and 128MB integrated buffer memory - Requires one x8 PCI (Gen 3) Express slot (Backward compatible with x4 PCI Express slots)	790315-001
FlexFabric 10Gb 2-port 556FLR-T adapter, FlexibleLOM form-factor - Has two 10G BASE-T RJ45 ports and 128MB integrated memory - Requires one x8 PCI (Gen 3) FlexibleLOM slot - Requires CAT6 UTP or better twisted-pair	815667-001

Description	Spare Part Number
FlexFabric 10Gb Ethernet 2-port 556FLR-SFP+ adapter, FlexibleLOM form-factor - Has two 10Gbe SFP+ ports and 128MB integrated memory - Provide up to 40Gb Bi-directional per adapter - Requires one x8 PCI (Gen 3) Express slot	764460-001
Ethernet 10Gb 2-port 560FLR-SFP+ adapter, FlexibleLOM form-factor - Has two 10 Gbe SFP+ ports and 128MB integrated memory - Provide up to 40Gb Bi-directional per adapter - Requires one x8 PCI (Gen 2) Express slot	669281-001
Ethernet 10Gb 2-port 561FLR-T adapter, FlexibleLOM form factor - Has two 10 Gb/s RJ45 ports featuring the 10Gb Intel X540 Controller - Requires one x8 PCI (Gen 2) FlexibleLOM slot - Requires CAT6 UTP or better twisted-pair	701525-001
Ethernet 10Gb 2-port 562FLR-SFP+ adapter, FlexibleLOM form-factor - Has two 10Gbe SFP+ ports - Provides up to 40 Gb/s Bi-directional per adapter - Requires one x8 PCIe (Gen 3) FlexibleLOM slot	790317-001
Battery	
96 W Smart Storage Battery - One battery pack provides FBWC for all the drive controllers in the server - Connects to the system I/O board, 145 mm (5.7 in) long cable - Version 3	871264-001
96 W Smart Storage Battery - For DL/ML/SL Generation 9 series of servers - One battery pack provides FBWC for all the drive controllers in the server - Connects to the system I/O board, 145 mm (5.7 in) long cable	815983-001
96 W Smart Storage Battery - One battery pack provides FBWC for all the drive controllers in the server - Connects to the system I/O board, 145 mm (5.7 in) long cable - Version 3	871264-001
96W Smart Storage Battery - For DL/ML/SL Generation 9 series of servers - One battery pack provides FBWC for all the drive controllers in the server - Connects to the system I/O board, 145 mm (5.7 in) long cable	750450-001
Bezel	
Left bezel ear assembly	670945-001
Bracket	
Support bracket with card guides - Supports the rear of the PCIe cards when installed on the system I/O board - Includes left and right support brackets	667263-001
Optical drive bracket - For 9.5 mm high optical drives - Mounts to the rear of the optical drive and is used to secure the drive in the drive bay	532475-001
Filler	
Blank power supply filler module - For filling an unused power supply module slot	5185-8676
PCI CPU2 blanks kit	878510-001
Power supply blank assembly	441825-001

Description	Spare Part Number
Filler Extension	
Extension bar - PDU, Dumb Stick, 5xC13	572210-001
Foot	
Mini stabilizer (10000 G2) - 0.6 mm (23.6 in) - Includes side foot, M8 flat washers, and bolts	385973-001
Heavy duty stabilizer (10000 G2) - 0.6 mm (23.6 in) - Includes insert, sleeve, eight M8 flat washers, and eight M8X30 mm bolts	389462-001
Hardware	
Stabilizer kit (Graphite black) - For Rack 10842 only - Provides stability and support when equipment is installed, removed, or accessed within the rack	432373-001
Blank kit includes - Fan and latch M.cell+PCIe/T. RTNRs	875066-001
Hood with label	875536-001
Blank slotted PCI riser	875537-001
Ear left plus labels	875541-001
Ear right plus labels	875542-001
Torque Driver 12 in	P04169-001
Miscellaneous blank kit for Apollo 4200 - Includes air blocker for PCIe expansion slots 5-7, air blocker for front 2-drive cage backplane, chassis retention bracket, fan blank, LFF and SFF drive blank, cable management holder, and FlexibleLOM blank	809955-001
Blank Input-Output (I/O) module - Installed into unused drive bay to maintain airflow	463756-001
Hardware kit - Includes a fan blank, power supply blank, hard drive cage blank, and media bay blank	519560-001
Right rack ear (Standard) - Mounts on the right side of the server	775417-001
Left rack ear (Standard) - Mounts on the left side of the server	795214-001
Blank I/O module - Installed into unused drive bay to maintain airflow	463756-001
Panel	
Access panel - Top cover for the server	775425-001
Heat sink	
Heatsink 1U high performance	872453-001
High efficiency screw-down type heatsink assembly - For use with processors greater than or equal to 135 W (Can be used on lower wage processors to help reduce power consumption)	775404-001
Standard efficiency screw-down type heatsink assembly - For use with processors less than or equal to 135 W	775403-001

Description	Spare Part Number
Processor	
Intel Xeon E5-2667 v4 Eight-Core 64-bit processor - 3.2 GHz base frequency (Broadwell, 25MB Intel Smart Cache, Intel QuickPath Interconnect (QPI) speed 9.6 GT/s, 135 W TDP, FCLGA 2011-3 socket)	835613-001
Intel Xeon E5-2603 v3 Six-Core 64-bit processor - 1.60 GHz base frequency (Haswell-EP, 15MB Intel Smart Cache, Intel QPI speed 6.4 GT/s, 85 W TDP, FCLGA 2011-3 socket)	762441-001
Intel Xeon E5-2630L v3 Eight-Core 64-bit low-power processor - 1.80 GHz base frequency (Haswell-EP, 20MB Intel Smart Cache, Intel QPI speed 8.0 GT/s, 55 W TDP, FCLGA 2011-3 socket)	762459-001
Intel Xeon E5-2650L v3 Twelve-Core 64-bit low-power processor - 1.80 GHz base frequency (Haswell-EP, 30MB Intel Smart Cache, Intel QPI speed 9.6 GT/s, 65 W TDP, FCLGA 2011-3 socket)	762461-001
Intel Xeon E5-2609 v3 Six-Core 64-bit processor - 1.90 GHz base frequency (Haswell-EP, 15MB Intel Smart Cache, Intel QPI speed 6.4 GT/s, 85 W TDP, FCLGA 2011-3 socket)	762443-001
Intel Xeon E5-2683 v3 Fourteen-Core 64-bit processor - 2.00 GHz (Haswell-EP, 35MB Intel Smart Cache, Intel QPI speed 9.6 GT/s, 120 W TDP, FCLGA 2011-3 socket)	762453-001
Intel Xeon E5-2650 v3 Ten-Core 64-bit processor - 2.30 GHz base frequency (Haswell-EP, 25MB Intel Smart Cache, Intel QPI speed 9.6 GT/s, 105 W TDP, FCLGA 2011-3 socket)	762448-001
Intel Xeon E5-2670 v3 Twelve-Core 64-bit processor - 2.30 GHz (Haswell-EP, 30MB Intel Smart Cache, Intel QPI speed 9.6 GT/s, 120 W TDP, FCLGA 2011-3 socket)	762450-001
Intel Xeon E5-2695 v3 Fourteen-Core 64-bit processor - 2.30 GHz (Haswell-EP, 35MB Intel Smart Cache, Intel QPI speed 9.6 GT/s, 120 W TDP, FCLGA 2011-3 socket)	762454-001
Intel Xeon E5-2698 v3 Sixteen-Core 64-bit processor - 2.30 GHz (Haswell-EP, 40MB Intel Smart Cache, Intel QPI speed 9.6 GT/s, 135 W TDP, FCLGA 2011-3 socket)	780760-001
Intel Xeon E5-2699 v3 Eighteen-Core 64-bit processor - 2.30 GHz (Haswell-EP, 45MB Intel Smart Cache, Intel QPI speed 9.6 GT/s, 145 W TDP, FCLGA 2011-3 socket)	780761-001
Intel Xeon E5-2620 v3 Six-Core 64-bit processor - 2.40 GHz base frequency (Haswell-EP, 15MB Intel Smart Cache, Intel QPI speed 8.0 GT/s, 85 W TDP, FCLGA 2011-3 socket)	762445-001
Intel Xeon E5-2630 v3 Eight-Core 64-bit processor - 2.40 GHz base frequency (Haswell-EP, 20MB Intel Smart Cache, Intel QPI speed 8.0 GT/s, 85 W TDP, FCLGA 2011-3 socket)	762446-001
Intel Xeon E5-2680 v3 Twelve-Core 64-bit processor - 2.50 GHz (Haswell-EP, 30MB Intel Smart Cache, Intel QPI speed 9.6 GT/s, 120 W TDP, FCLGA 2011-3 socket)	762451-001
Intel Xeon E5-2640 v3 Eight-Core 64-bit processor - 2.60 GHz base frequency (Haswell-EP, 20MB Intel Smart Cache, Intel QPI speed 8.0 GT/s, 90 W TDP, FCLGA 2011-3 socket)	762447-001

Description	Spare Part Number
Intel Xeon E5-2660 v3 Ten-Core 64-bit processor - 2.60 GHz base frequency (Haswell-EP, 25MB Intel Smart Cache, Intel QPI speed 9.6 GT/s, 105 W TDP, FCLGA 2011-3 socket)	762449-001
Intel Xeon E5-2690 v3 Twelve-Core 64-bit processor - 2.60 GHz (Haswell-EP, 30MB Intel Smart Cache, Intel QPI speed 9.6 GT/s, 135 W TDP, FCLGA 2011-3 socket)	762452-001
Intel Xeon E5-2697 v3 Fourteen-Core 64-bit processor - 2.60 GHz (Haswell-EP, 35MB Intel Smart Cache, Intel QPI speed 9.6 GT/s, 145 W TDP, FCLGA 2011-3 socket)	765154-001
Intel Xeon E5-2623 v3 Four-Core 64-bit processor - 3.0 GHz base frequency (Haswell-EP, 10MB Intel Smart Cache, Intel QPI speed 8.0 GT/s, 105 W TDP, FCLGA 2011-3 socket)	780762-001
Intel Xeon E5-2687W v3 Ten-Core 64-bit processor - 3.10 GHz (Haswell-EP, 25MB Intel Smart Cache, Intel QPI speed 9.6 GT/s, 160 W TDP, FCLGA 2011-3 socket)	762458-001
Intel Xeon E5-2667 v3 Eight-Core 64-bit processor - 3.20 GHz (Haswell-EP, 20MB Intel Smart Cache, Intel QPI speed 9.6 GT/s, 135 W TDP, FCLGA 2011-3 socket)	762457-001
Intel Xeon E5-2643 v3 Six-Core 64-bit processor - 3.40 GHz (Haswell-EP, 20MB Intel Smart Cache, Intel QPI speed 9.6 GT/s, 135 W TDP, FCLGA 2011-3 socket)	762456-001
Intel Xeon E5-2637 v3 Four-Core 64-bit processor - 3.50 GHz (Haswell-EP, 15MB Intel Smart Cache, Intel QPI speed 9.6 GT/s, 135 W TDP, FCLGA 2011-3 socket)	762455-001
Arm	
Cable management arm kit - Guides the power and interface cables to prevent binding when the server is slid in and out of the rack - Mounts to the rear of the rack	675043-001
Cable management arm easy install kit - Guides the power and interface cables to prevent binding when the server is slid in and out of the rack - Mounts to the rear of the rack	744113-001
Memory	
32GB PC4-2666V-R, registered Synchronous Dynamic Random Access Memory (SDRAM) 2Gx4, operated in a Dual Data Rate (DDR4) mode, packaged in a dual in-line memory module organized as 4Gx72	850881-001
HPE SmartMemory 32GB, 2400 MHz, PC4-2400T-R, DDR4, dual-rank x4, 1.20 V, CAS-17-17-17, Registered Dual In-line Memory Module (RDIMM)	819412-001
32GB PC4-2133P-L - Load Reduced DIMM (LRDIMM), SDRAM module, DDR4, organized as 4Gx72	774174-001
8GB, 2133 MHz, PC4-2133P-R, DDR4, single-rank x4, 1.20 V, CAS-15-15-15, RDIMM	774170-001
8GB, 2133 MHz, PC4-2133P-R, DDR4, dual-rank x8, 1.20 V, CAS-15-15-15, RDIMM	774171-001

Description	Spare Part Number
16GBPC4-2133P-R, registered SDRAM, DDR4 mode, Dual In-line Memory Module (DIMM), organized as 2Gx72	774172-001
16GB, 2133 MHz, PC4-2133P-L, DDR4, dual-rank x4, 1.20 V, CAS-15-15-15, Load Reduced Dual In-line Memory Module (LRDIMM)	774173-001
Module	
Systems insight display module SFF with lablel	875563-001
USB SFF power/UID module	875565-001
SAS IO Module assembly, D6020	823849-001
System Insight Display (SID) /power switch module assembly - Includes the SID assembly, power switch, UID switch, status LEDs, and USB connector - For use with servers configured with SFF drives - Mounts to the right of the drive bay	775418-001
Power switch module assembly (Without SID) - Includes the power switch, UID switch, status LEDs, and USB connector - For use with servers configured with SFF drives - Mounts to the right of the drive bay	783290-001
Power switch module assembly (Without SID) - Includes the power switch, UID switch, status LEDs, and USB connector - For use with servers configured with SFF drives - Mounts to the right of the drive bay	783290-001
Power switch module assembly (Without SID) - Includes the power switch, UID switch, status LEDs, and USB connector - For use with servers configured with LFF drives - Mounts above the drive bay	783291-001
SID /power switch module assembly - Includes the SID assembly, power switch, UID switch, status LEDs, and USB connector - For use with servers configured with LFF drives - Mounts above the drive bay	775412-001
Flex slot hot-plug battery backup module - 12 V BBU module with internal lithium-ion batteries - Provides up to 750 W of backup power for 60 seconds - Has rear DC input/output connectors for daisy chaining one additional server's battery backup module	754380-001
PC Board	
800GB NVMe workload accelerator board, WI - PCIe board with NAND flash technology and integrated controller - Requires x4 PCIe (Gen3) slot, half-height, half-length, supports PLP - Supports select Gen9 servers	804566-001
800GB NVMe workload accelerator board, MU - PCIe board with NAND flash technology and integrated controller - Requires x4 PCIe (Gen3) slot, half-height, half-length, LE, supports PLP - Select Gen9	804568-001
1.0TB Workload Accelerator board, MU - PCIe board with NAND flash technology and integrated controller - Requires one x8 PCIe (Gen2) slot, half-height, half-length form factor, LE - Supports select Gen9, Gen8, Gen7	775677-001

Description	Spare Part Number
1.3TB Workload Accelerator board, RI - PCIe board with NAND flash technology and integrated controller - Requires one x8 PCIe (Gen2) slot, half-height, half-length form factor, VE, 0.5 drive writes/day, 1.1PB written	764125-001
1.3TB Workload Accelerator board, MU - PCIe board with NAND flash technology and integrated controller - Requires one x8 PCIe (Gen2) slot, half-height, half-length form factor, LE - Supports select Gen9, Gen8, Gen7	775678-001
1.3TB Workload Accelerator board, RI - PCIe board with NAND flash and integrated controller - Requires one x8 PCIe (Gen2) slot, half-height, half-length, VE,supports PLP- Supports Gen9	833584-001
1.6TB Workload Accelerator board, RI - PCIe board with NAND flash technology and integrated controller - Requires one x8 PCIe (Gen2) slot, half-height, half-length form factor, VE, 0.5 drive writes/day, 1.6PB written	764126-001
1.6TB Workload Accelerator board, RI - PCIe board with NAND flash and integrated controller - Requires one x8 PCIe (Gen2) slot, half-height, half-length, VE- Supports select Gen9 servers	833585-001
1.6TB NVMe workload accelerator board, WI - PCIe board with NAND flash technology and integrated controller - Requires x4 PCIe (Gen3) slot, half-height, half-length , supports PLP - Supports select Gen9 servers	804567-001
1.6TB NVMe workload accelerator board, MU - PCIe board with NAND flash technology and integrated controller - Requires x4 PCIe (Gen3) slot, half-height, half-length, LE, supports PLP - Support Gen9	804569-001
2.0TB NVMe workload accelerator board, MU - PCIe board with NAND flash technology and integrated controller - Requires x4 PCIe (Gen3) slot, half-height, half-length, LE - supports PLP - Supports Gen9	804570-001
2.6TB Workload Accelerator board, MU - PCIe board with NAND flash technology and integrated controller - Requires one x8 PCIe (Gen2) slot, half-height, half-length form factor, LE - Supports select Gen9, Gen8, Gen7	775679-001
3.2TB Workload Accelerator board, RI - PCIe board with NAND flash technology and integrated controller - Requires one x8 PCIe (Gen2) slot, half-height, half-length form factor, VE, 0.5 drive writes/day, 3.1PB written	764127-001
3.2TB Workload Accelerator board, RI - PCIe board with NAND flash technology and integrated controller - Requires one x8 PCIe (Gen2) slot, half-height, half-length form factor, VE - Supports Gen8 servers and beyond	833586-001
5.2TB Workload Accelerator board, MU - PCIe board with NAND flash technology and integrated controller - Requires one x8 PCIe (Gen2) slot, full-height, half-length form factor, LE - Supports select Gen9, Gen8, Gen7	775680-001
6.4TB Workload Accelerator board, RI - PCIe board with NAND flash technology and integrated controller - Requires one x8 PCIe (Gen2) slot, full-height, half-length form factor, VE, 0.5 drive writes/day, 6.3PB written	764128-001

Description	Spare Part Number
6.4TB Workload Accelerator board, RI - PCIe board with NAND flash technology and integrated controller - Requires one x8 PCIe (Gen2) slot, full-height, half-length form factor, VE - Supports Gen8 servers	833587-001
8-bay hot-plug SFF backplane board - For either SAS or SATA hard drives - Up to 6 Gbs SATA and 12Gbs SAS transfer speed - Mounts on the rear of the 8-bay drive cage	780428-001
PCA Riser x16 x8 GPU primary 1U	875545-001
System I/O board (Motherboard) - Supports Intel (Skylake) processors - Includes base pan assembly, alcohol pad and thermal grease syringe - Processors must be the same spare part number	875552-001
I/O) board - Includes tray and cable	455972-001
Backplane PCA board - For use with LFF drives	781529-001
PCA I/O module-carrier 2-port includes cable	828613-001
Backplane assembly drawer	828614-001
Primary PCIe3 riser board - Provides a full-height x16 PCIe3 in slot 1 and a low-profile x8 PCIe3 in slot 2 of the server - Plugs in the primary riser slot on the system I/O board	785497-001
System I/O board (Motherboard) assembly - For Intel Xeon E5-2600 series v3 (Haswell) and v4 (Broadwell) processors - Includes the system I/O board, alcohol pad, thermal grease, and installation instruction card - Processors must be same spare part number	843307-001
System I/O board (Motherboard) assembly - For Intel Xeon E5-2600 series v4 (Broadwell) processors - Includes the system I/O board, alcohol pad, thermal grease with subpan	878936-001
SAS/SATA backplane board - For the front 2-bay SFF hard drive cage - Up to 12 Gbs transfer speed - Optional board for configurations requiring more than eight hard drives and no optical drive - Mounts on the rear of the drive cage	775401-001
Eight SFF hard drive backplane board kit - For four NVMe (PCIe) drives plus four SAS drives - Includes backplane board, dual x8 PCIe slim line cable assembly, and mini-SAS cable assembly	823792-001
System I/O board (Motherboard) assembly - For Intel Xeon E5-2600 series v3 (Haswell) processors ONLY - Includes subpan, thermal grease, alcohol pad, and instruction card - Processors must be the same spare part number	775400-001
Secondary PCIe3 riser board ONLY - Provides a low-profile x16 PCIe3 in slot 3 of the server - Plugs in the secondary riser slot on the system I/O board	785498-001
Secondary PCIe3 riser board ONLY - Provides a full-height x16 PCIe3 in slot 3 of the server - Plugs in the secondary riser slot on the system I/O board - This optional board requires that a second processor be installed	775419-001
SAS/SATA backplane board - For the front 4-bay LFF hard drive cage - Up to 12 Gbs transfer speed - Mounts on the rear of the drive cage	775402-001

Description	Spare Part Number
NVIDIA Quadro K2200 graphics accelerator board - Requires one PCIe x16 slot - Has 4-GB GDDR5 memory with 80 Gb/s bandwidth, 640 Compute Unified Device Architecture (CUDA) cores, and integrated fan - Has one DVI-D port and two DP 1.2 ports	783874-001
NVIDIA Quadro K4200 graphics accelerator board - Requires one PCIe x16 slot - Has 4-GB GDDR5 memory with 173 Gb/s bandwidth, 1344 CUDA cores, and integrated fan - Has one DVI-D port and two DP 1.2 ports	783875-001
NVIDIA Quadro M4000 graphics accelerator board - Requires one PCIe (Gen 3) x16 slot - Has 8-GB GDDR5 memory with 192 Gb/s bandwidth, 1664 CUDA cores, and integrated fan - Has four DP 1.2 ports	841576-001
Rack Slide	
Rack unit - For 10642 (10000 G2), 42U	385969-001
G2 42U 1075 mm (42.32) wide slide rack	872529-001