HPE ProLiant DX385 Gen10 Plus Server - Product Information Reference

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Abstract

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Revision history

Part number	Publication date	Edition	Summary of changes

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Summary

Subtopics

Product description
What's new

Product description



The HPE ProLiant DX385 Gen10 Plus Server is redefining price/performance with the new math for virtualized compute. Powered by the latest AMD EPYC 7002 series processors, the HPE ProLiant DX385 Gen10 Plus server offers greater processing power, faster memory speeds up to 3200 MT/s. and increased data transfer rates with PCIe Gen4 capabilities.

What's new

- New DX 385 Gen10 plus platform
- Qualified platforms/configs recognized by both HPE and Nutanix
- Factory tuned and optimized HW settings for Nutanix environments
- Factory pre-installed Nutanix AHV and AOS
- Supports the latest AMD EPYC 7002 series processor with double the core density compared to the previous generation and increased memory speeds up to 3200 MT/s.
- Support for PCIe Gen4, resulting in improved networking speeds.
- Support for OCP network adapters
- New SATA Read Intensive (RI) SSD drives

- New NVMe RI and Mixed Use (MU) SSD drives
- Support for PCIe smart array controllers for internal and external drives.

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
HPE ProLiant DX385 Gen10 Plus 12 LFF CTO Server	P24330-B21 **Click here to obtain the parts list of this model** .

Product features

Feature	Description
Form factor	2U rack

Feature	Description
Chassis types	• 8 SFF with optional universal media bay, and optional SFF or NVMe drive bay options. • 24 SFF bay with 4 SFF rear drive bay option to total 28 SFF drives. • 8 LFF with universal media Bay, and optional SFF or NVMe drive bay options. • 12 LFF with optional 4 LFF mid-plane and optional 4LFF + 2 SFF rear drive bay to total 20LFF drives + 2 SFF drives.
System fans	Standard - Fan types included: • On SFF chassis only, 1P models ship with 4 standard fans. The second processor option kit contains 2 additional fans. • The 12 LFF and 24 SFF chassis ship with 6 max performance fans as standard. • The 8 LFF chassis ships with 6 standard fans as standard • Max performance fan kit is available to meet ambient temperature environments • Max performance fan kits are required for rear drives, or >180 W processors SKUs, or if high performance NVMe drive being used.
Standard features	Processors Up to 2 of the following depending on model.

AMD EPYC Processor	Cores	Base Frequency	Max Frequency	Max Memory	Wattage	Cache	Memory
EPYC 7742	64	2.25 GHz	3.4 GHz	4TB	225 W	256MB	3200 MT/s
EPYC 7702	64	2.0 GHz	3.35 GHz	4TB	200 W	256MB	3200 MT/s
EPYC 7642	48	2.3 GHz	3.3 GHz	4TB	256 W	192MB	3200 MT/s
EPYC 7552	48	2.2 GHz	3.3 GHz	4TB	200 W	192MB	3200 MT/s
EPYC 7502	32	2.5 GHz	3.35 GHz	4TB	180 W	128MB	3200 MT/s
EPYC 7542	32	2.9 GHz	3.4 GHz	4TB	225 W	128MB	3200 MT/s

Feature	Description

AMD EPYC Processor	Cores	Base Frequency	Max Frequency	Max Memory	Wattage	Cache	Memory
EPYC 7452	32	2.35 GHz	3.35 GHz	4TB	155 W	128MB	3200 MT/s
EPYC 7402	24	2.8 GHz	3.35 GHz	4TB	180 W	128MB	3200 MT/s
EPYC 7352	24	2.3 GHz	3.2 GHz	4TB	155 W	128MB	3200 MT/s
EPYC 7282	16	2.8 GHz	3.2 GHz	4TB	120 W	64MB	3200 MT/s
EPYC 7302	16	3.0 GHz	3.3 GHz	4TB	155 W	128MB	3200 MT/s
EPYC 7272	12	2.9 GHz	3.2 GHz	4TB	120 W	64MB	3200 MT/s
EPYC 7262	8	3.2 GHz	3.4 GHz	4TB	155 W	128MB	3200 MT/s
EPYC 7252	8	3.1 GHz	3.2 GHz	4TB	120 W	64MB	3200 MT/s

Chipset	No chipset - System on Chip (SoC) design
On system management chipset	HPE Integrated Lights-Out (HPE iLO) 5 ASIC
Memory	One of the following depending on model

Type	**HPE DDR4 smart memory, Registered Dual In-line Memory Module (RDIMM)**	
Dual In-line Memory Module (DIMM) slots available	32	16 DIMM slots per processor, 8 channels per processor, 2 DIMMs per channel

Feature	Description					
	Type	**HPE DDR4 smart memory, Registered Dual In-line Memory Module (RDIMM)**				
	Maximum capacity (RDIMM)	2.0TB			132 x 64GB RDIMM - 3200 MHz	
Expansion slots	**Primary Riser 1 Slots #**	**Technology**	**Bus Width**	**Connector Width**	**Slot Form Factor**	**Notes**
	1	PCIe 4.0	X8	X16	Full-height, full-length slot	Proc 1
	2	PCIe 4.0	X16	X16	Full-height, full-length slot	Proc 1
	3	PCIe 4.0	X8	X16	Full-height, half-length slot	Proc 1
	Primary Riser 2 Slots #	**Technology**	**Bus Width**	**Connector Width**	**Slot Form Factor**	**Notes**
	1	PCIe 4.0	X16	X16	Full-height, full-length slot	Proc 1
	2	PCIe 4.0	X16	X16	Full-height, full-length slot	Proc 1
	3	NA	NA	NA	NA	NA
	Primary Riser 3 Slots #	**Technology**	**Bus Width**	**Connector Width**	**Slot Form Factor**	**Notes**
	1	PCIe 4.0	X16	X16	Full-height, full-length slot	Proc 1
	2	PCIe 4.0	X16	X16	Full-height, full-length slot	Proc 1

Feature	Description

Primary Riser 3 Slots #	Technology	Bus Width	Connector Width	Slot Form Factor	Notes
3	NA	NA	NA	NA	NA

Secondary Riser1 Slots #	Technology	Bus Width	Connector Width	Slot Form Factor	Notes
4	PCIe 4.0	X8	X16	Full-height, full-length slot	Proc 2
5	PCIe 4.0	X16	X16	Full-height, full-length slot	Proc 2
6	PCIe 4.0	X8	X16	Full-height, half-length slot	Proc 2

Secondary Riser2 Slots #	Technology	Bus Width	Connector Width	Slot Form Factor	Notes
4	PCIe 4.0	X16	X16	Full-height, full-length slot	Proc 2
5	PCIe 4.0	X16	X16	Full-height, full-length slot	Proc 2
6	NA	NA	NA	NA	NA

Secondary Riser3 Slots #	Technology	Bus Width	Connector Width	Slot Form Factor	Notes
4	PCIe 4.0	X16	X16	Full-height, full-length slot	Proc 2
5	PCIe 4.0	X16	X16	Full-height, full-length slot	Proc 2

Feature	Description

Secondary Riser3 Slots #	Technology	Bus Width	Connector Width	Slot Form Factor	Notes
6	PCIe 4.0	X16	X16	Full-height, half-length slot	Proc 2

Tertiary Riser 1 Slots #	Technology	Bus Width	Connector Width	Slot Form Factor	Notes
7	PCIe 4.0	X16	X16	Full-height, full-length slot	Proc 2
8	NA	NA	NA	NA	NA

Tertiary Riser 2 Slots #	Technology	Bus Width	Connector Width	Slot Form Factor	Notes
7	PCIe 4.0	X8	X16	Full-height, full-length slot	Proc 2
8	PCIe 4.0	X8	X16	Full-height, full-length slot	Proc 2

Storage controllers	The Gen10/Gen10 Plus controller naming framework has been updated to simplify identification as depicted below.
Essential RAID controller	• HPE Smart Array E208i-a SR Gen10 controller • HPE Smart Array E208i-p SR Gen10 controller • HPE Smart Array E208e-p SR Gen10 controller
Performance RAID controller	• HPE Smart Array P408i-a SR Gen10 controller • HPE Smart Array P408i-p SR Gen10 controller • HPE Smart Array P408e-p SR Gen10 controller • HPE Smart Array P816i-a SR Gen10 controller

<table>
<tr><th>Feature</th><th>Description</th></tr>
<tr><td>Internal storage devices</td><td>One of the following depending on model:
Optical Drive:
• Ships standard in performance models
• Optional: DVD-ROM, DVD-RW
Hard Drives
• None ship standard</td></tr>
<tr><td>Graphics</td><td>Integrated video standard:
• Video modes up to 1920 x 1200 - 60 Hz (32 bp)
• 16MB video memory
HPE iLO 5 on system management memory:
• 32MB Flash
• 4 Gbit DDR 3 with ECC protection</td></tr>
<tr><td>Maximum internal storage</td><td>
<table>
<tr><th>Maximum Internal Storage</th><th>Capacity</th><th>Configuration</th></tr>
<tr><td>Hot plug SFF SAS</td><td>67.2TB</td><td>24+4 x 2.4TB (With optional rear SFF drive cage)</td></tr>
<tr><td>Hot plug SFF SATA</td><td>56.0TB</td><td>24+4 x 2TB (With optional rear SFF drive cage)</td></tr>
<tr><td>Hot plug LFF SAS</td><td>310.6TB</td><td>12+4+4 x 14TB + 2 x 15.3TB (With optional mid - tray and rear LFF drive cage, plus 2 SFF SSD rear)</td></tr>
<tr><td>Hot plug LFF SATA</td><td>310.6TB</td><td>12+4+4 x 14TB + 2 x 15.3TB (With optional mid - tray and rear LFF drive cage, plus 2 SFF SSD rear)</td></tr>
<tr><td>Hot plug SFF SAS SSD</td><td>428.4TB</td><td>24+4 x 15.3TB (With optional rear SFF drive cage)</td></tr>
<tr><td>Hot plug LFF SATA SSD</td><td>49.8TB</td><td>12+4+4 x 0.96TB + 2 x 15.3TB (With optional mid - tray and rear LFF drive cage, plus 2 SFF SSD rear)</td></tr>
</table>
</td></tr>
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Feature	Description		
	Maximum Internal Storage	**Capacity**	**Configuration**
	Hot plug SFF SATA SSD	215TB	24+4 x 7.68TB (With optional 2SFF drive cage)
	Hot plug SFF NVMe PCIe SSD	61.44TB NVMe	16 x 3.84TB NVMe
Power supply	• HPE 500 W Flex slot Platinum hot plug low halogen power supply kit • HPE 800 W Flex slot Platinum hot plug low halogen power supply kit • HPE 800 W Flex slot Titanium hot plug low halogen power supply kit • HPE 800 W Flex slot Universal hot plug low halogen power supply kit • HPE 800 W Flex slot 48 V dc hot plug low halogen power supply kit • HPE 1600 W Flex slot Platinum hot plug low halogen power supply kit		
Interfaces	**Serial**	Optional, rear	
	Display port	1 Standard on both SFF and LFF chassis, rear	
	VGA port	Optional via universal media bay, P14609-B21	
	Network ports	None. Choice of OCP or stand up card	
	HPE iLO Remote management network port	1Gb Dedicated	
	Front iLO service port	1 Standard (Not available on 12 LFF chassis or when SID is ordered, note iLO dongle required, 880123-B21)	
	USB 3.0	Up to 7 total: 1 front, 2 rear, 2 internal (Secure), 2 optional USB 3.0 front via universal media bay, or standard on 8 LFF chassis	
	Systems Insight Display (SID)	Optional	
Embedded management	• HPE iLO • UEFI		

Feature	Description
	• Intelligent provisioning • iLO RESTful API
Industry standard compliance	• ACPI 6.1 compliant • PCIe 4.0 compliant • WOL support • Microsoft logo certifications • Preboot Execution Environment (PXE) support • VGA/Display port • USB 3.0 compliant (Internal) • USB 2.0 compliant (External ports) • Energy star • SMBIOS 3.1 • UEFI 2.6 • Redfish API • IPMI 2.0 • Secure digital 2.0 • Advanced Encryption Standard (AES) • Triple Data Encrytion Standard (3DES) • SNMP v3 • TLS 1.2 • DMTF Systems Management Architecture for Server Hardware Command Line Protocol (SMASH CLP) • Active directory v1.0 • ASHRAE A3/A4 • UEFI
HPE Server Unified Extensible Firmware Interfa	UEFI is an industry standard that provides better manageability and more secured configuration than the legacy ROM while interacting with users server at boot time. HPE ProLiant Gen10 Plus servers have a UEFI Class 2 implementation and support both UEFI mode (Default) and legacy BIOS mode.

Feature	Description
ce (UEFI)/legacy ROM	• Secure boot and secure start enable for enhanced security • Operating System (OS) specific functionality • Support for > 2.2TB (Using GPT) boot drives • USB 3.0 stack • Embedded UEFI Shell • Mass configuration deployment tool using iLO RESTful API that is Redfish API conforma nt • PXE boot support for IPv6 networks
Workload profiles for simple performance optimization	UEFI boot mode only: • TPM 2.0 support • NVMe boot support • iSCSI software initiator support • HTTP/HTTPs boot support as a PXE alternative • Boot support for option cards that only support a UEFI option ROM
Security	• UEFI secure boot and secure start support • Immutable silicon root of trust • FIPS 140-2 validation (iLO 5 certification in progress) • Common criteria certification (iLO 5 certification in progress) • Configurable for PCI DSS compliance • AES and Triple Data Encryption Standard (3DES) on browser • Support for Commercial National Security Algorithms (CNSA) • Tamper-free updates – components digitally signed and verified • Secure Recovery - recover critical firmware to known good state on detection of compro mised firmware • Ability to rollback firmware • Secure erase of NAND/User data • Trusted Platform Module (TPM) 2.0 option

Feature	Description
	• Bezel locking kit option • Chassis intrusion detection option

Physical specifications

Specification	Description
Dimensions (H x W x D)	• **SFF Drives:** 8.73 x 44.54 x 71.1 cm (3.44 x 17.54 x 28 in) • **LFF Drives:** 8.73 x 44.54 x 74.9 cm (3.44 x 17.54 x 29.5 in)
Weight (Approximate)	**SFF Minimum:** 8 SFF chassis with 1x SFF HDD and 7 HDD blanks, 2x drive bay blanks, 1x processor including standard heatsink, 1x power supply (Plus blank), 1x smart array, 1x Riser installed, cables for the a bove) • **Minimum:** 15.01 kg (33.25 lb) with 1 hard drive • **Maximum:** 19.7 kg (43.50 lb) with 24 hard drives
	LFF Maximum: 12 LFF hard drives (No rear drives), 2x processors, 2 x power supplies, 1x smart array, 2x Risers installed) • 24.7 kg (54.5 lb) with 12 hard drives • 17.3 kg (38.25 lb) with 1 hard drives

Electrical specifications

Specification	Description
Input Requirements (Per power supply)	
Input requirements	**Rated line voltage** • 100 to 120 V ac

Specification	Description
	• 200 to 240 V ac
BTU rating	• **For 800 W power supply:** 3207 BTU/hr (At 100 V ac), 3071 BTU/hr (At 200 V ac), 3112 BTU/hr (At 240 V ac) for china only • **For 500 W power supply:** 1979 BTU/hr (At 100 V ac), 1911 BTU/hr (At 200 V ac), 1965 BTU/hr (At 240 V ac) for china only
Power supply output	**Rated Steady-State power** • **For 1400 W power supply:** 1400 W (At 240 V ac), 1400 W (At 240 V ac) • **For 800 W power supply:** 800 W (At 100 V ac), 800 W (At 240 V ac), 800 W (At 240 V ac) input for china only • **For 500 W power supply:** 500 W (At 100 V ac), 500 W (At 240 V ac), 500 W (At 240 V ac) input for china only **Maximum peak power** • **For 1400 W power supply:** 1400 W (At 200 to 240 1 V ac), 1400 W (At 240 V ac) input for china only • **For 800 W power supply:** 800 W (At 100 to 127 V ac), 800 W (At 200 to 240 1 V ac), 800 W (At 240 V ac) input for china only • **For 500 W power supply:** 500 W (At 100 to 127 V ac), 500 W (At 200 to 240 V ac), 500 W (At 240 V ac) input for china only

Environmental specifications

Specification	Description
System inlet temperature	10° to 35° C (50° to 95° F)
Extended ambient operating support	5° to 10° C (41° to 50° F) and 35° to 40° C (95° to 104° F)
Non-Operating temperature	-30° to 60° C (-22° to 140° F). Maximum rate of change is 20° C/hr (36° F/hr)

Specification	Description
Operating relative humidity	8% to 90% - Relative humidity, 28°C maximum wet bu lb temperature, Non-Condensing
Non-Operating relative humidity	5 to 95% - Relative humidity, 38.7°C (101.7°F) maxi mum wet bulb temperature, Non-Condensing
Operating altitude	3050 m (10,000 ft)
Non-Operating altitude	9144 m (30,000 ft)
RTC accuracy	50 ppm
Acoustic noise	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). The listed sound levels apply to standard shipping configurations. Additiona l options may result in increased sound levels. Pleas e have users HPE representative provide information from the HPE EMESC website for further technical d etails regarding the configurations listed below.

Configuration SKU	LWAd	LpAm
Idle	• 4.5 B5.0 B Entry • 5.2 B Base • 5.7 B Performance	• 32 dBA Entry • 34 dBA Base • 44 dBA Performance
Operating	• 5.0 B Entry • 5.3 B Base • 6.4 Performance	• 32 dBA Entry • 37 dBA Base

Specification	Description
	Configuration S KU **LWAd** **LpAm** • 48 dBA Per formance

Safety certifications

Specification	Description
Emissions Classification (EMC)	To view the regulatory information for users product, view the safety and compliance information for server, storage, power, networking, and rack products, available at the Hewlett Packard Enterprise Support Center: **Hewlett Packard Enterprise Support Center for Enterprise Safety and Compliance**.

Spare Parts

Subtopics

New model specific parts lists
Processor
Adapter
Battery
Bezel
Cable
Cartridge
Bracket
Key
Card
Cage
Controller
Cover

Fan
Filler
Hardware
Heat sink
Memory
Module
PC board
Power cord
Rack mount kit
Switch
Transceiver
Power supply
Drive

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 HPE 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).

Processor

Description	Spare Part Number
AMD EPYC 7262 8 core processor - 3.2 GHz (Socket count: 2P, 16 threads, 128MB L3 cache, 155 W Thermal Design Power (TDP))	P17341-001
AMD EPYC 7302 16 core processor - 3.0 GHz (Socket count: 2P, 32 threads, 128MB L3 cache, 155 W TDP)	P17339-001

Description	Spare Part Number
AMD EPYC 7702 64 core processor - 2.0 GHz (Socket count: 2P, 128 threads, 256MB L3 cache, 200 W TDP)	P17332-001
AMD EPYC 7252 v4 eight-core 64-bit processor - 3.10 GHz (64MB L3 cache, 120 W TDP -2)	P23793-001
AMD EPYC 7272 v4 eight-core 64-bit processor - 2.9 GHz (64MB L3 cache, 120 W TDP)	P23686-001
AMD EPYC 7282 v4 sixteen-core 64-bit processor - 2.80 GHz (64MB L3 cache, 120 W TDP)	P23685-001
AMD EPYC 7352 v4 twenty four-core 64-bit processor - 2.30 GHz (123MB L3 cache, 155 W TDP)	P21227-001
AMD EPYC 7402 24 core processor - 2.8 GHz (Socket count: 2P, 48 threads, 128MB L3 cache, 180 W TDP)	P17336-001
AMD EPYC 7452 32 core processor - 2.35 GHz (Socket count: 2P, 64 threads, 128MB L3 cache, 155 W TDP)	P17338-001
AMD EPYC 7502 32 core processor - 2.5 GHz (Socket count: 2P, 64 threads, 128MB L3 cache, 180 W TDP)	P17334-001
AMD EPYC 7542 v4 Thirty two-core 64-bit processor - 2.9 GHz (128MB L3 cache, 225 W TDP)	P23684-001
AMD EPYC 7552 v4 forty eight-core 64-bit processor - 2.2 GHz (192MB L3 cache, 200 W TDP)	P21963-001
AMD EPYC 7642 v4 forty eight-core 64-bit processor - 2.3 GHz (256MB L3 cache, 225 W TDP)	P23683-001
AMD EPYC 7742 v4 sixty four-core 64-bit processor - 2.25 GHz (256MB L3 cache, 225 W TDP)	P23682-001
Intel Xeon E5-2660 v3 ten-core 64-bit processor - 2.60 GHz base frequency (Haswell-EP, 25MB Intel smart cache, Intel QuickPath Interconnect (QPI) speed 9.6 GT/s, 105 W TDP, FCLGA 2011-3 socket)	762449-001

Adapter

Description	Spare Part Number
HPE Ethernet 10Gb 2-port SFP+ QL41401 OCP3 adapter	P11586-001
AROC 1port NVMe adapter	P18719-001
PCIe 1-port, 8GB, Fibre Channel (FC) 81Q (QLogic) Host Bus Adapter (HBA) board - Has one fully independent 2/4/8Gb auto-negotiation Short Wave Laser (SWL) LC port - Requires one Low Profile (LP) (Or full height) x8 PCIe slot	489190-001
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 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
SN1200E 16Gb single port FC HBA - 16 Gb/s interface	870001-001
SN1200E 16Gb dual port FC HBA - 16 Gb/s interface	870002-001
StoreFabric SN1600E 32Gb single port FC host adapter - 32 Gb/s interface, PCI express 3.0 to FC	869999-001
StoreFabric SN1600E 32Gb dual port FC host adapter	870000-001
StoreFabric SN1100Q 16Gb two port FC HBA - 16 Gb/s interface, PCI express 3.0 to FC	853011-001
HPE 1 GbE 4p BASE-T I350-T4 adapter	P22200-001
Adapter NIC 2p 10 GbE Base-T QL42102	P11688-001
HPE 10 GbE 2p SFP+ QL41132 adapter	P22199-001

Description	Spare Part Number
HPE 10 GbE 2p SFP+ MCX4121A-XCHT adapter	P22202-001
HPE Ethernet 10Gb 4-port SFP+ QL55604 adapter	P13346-001
HPE 10/25 GbE 2p SFP28 MCX512F-ACHT adapter	P16004-001
HPE 10/25 GbE 2p SFP28 X2522PL adapter	P22204-001
HPE 100 GbE 2p QSFP28 MCX516A-CCHT adapter	P22203-001
HPE Ethernet 1Gb 4-port BASE-T I350-T4 OCP3 adapter	P14487-001
HPE Ethernet 10Gb 2-port BASE-T QL41132 OCP3 adapter	P13345-001
HPE 10 GbE 2p SFP+ MCX4621A OCP3 adapter	P12806-001
Adapter OCP3 G4 2p 25 GbE SFP28 MLX	P12619-001
HPE 10/25 GbE 2P SFP28 QL41232 OCP3 adapter	P11710-001
HPE 10/25 GbE 2P SFP28 QL41232 adapter	P23451-001
InfiniBand HDR/EN 200Gb 1p QSFP56 adapter	P24753-001
InfiniBand HDR100/Ethernet 100Gb 1-port adapter	P24754-001
InfiniBand HDR100/EN 100Gb 2p QSFP56 adapter	P24752-001

Battery

Description	Spare Part Number
96 W Smart storage battery - For DL/ML/SL Generation 9 series of servers - One battery pack provides Flash Back Write Cache (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 -	871264-001

Description	Spare Part Number
Connects to the system I/O board, 145 mm (5.7 in) long cable - Version 3	
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	878643-001

Bezel

Description	Spare Part Number
Left bezel ear assembly	670945-001
2U bezel	875065-001
Bezel 2U unbranded	878511-001

Cable

Description	Spare Part Number
Mini-Serial Attached SCSI (SAS) cable assembly kit (Includes two mini-SAS cables) - For connecting the 8-bay Small Form Factor (SFF) hard drive cage to the drive controller board	784621-001
Mini-SAS cable kit (Includes six cables) - For connecting between the 8-bay and 2-bay SFF hard drive cages and the H240 HBA or the P440ar controller board	784629-001
Mini SAS Large Form Factor (LFF) cable kit	875090-001
Cable, jumper cord C13/C14 India 2.0 m blank	P10794-001

Description	Spare Part Number
Power cables	P23361-001
Cable arm, 2U	P24100-001
Cable - I/O board to board, front	P24127-001
Cable - CPU0/CPU1 to raiser port1	P24129-001
Cable - Bay3, riser	P24130-001
Cable - Bay2, PP ½, 3/4	P24131-001
Cable - Bay2 to X32 , bay1 to X16 Pri/Se	P24132-001
Cable - Midtray, prem/basic-host board	P24133-001
Cable - Spliter, bay3/1, P.P.1-4 to X16	P24134-001
Cable - Spliter, bay2, P.P.1-2/3-4 to X1	P24135-001
Cable - Split midtray port, 1-4 to X32 Pr	P24136-001
Cable - Fan-out, SAS1-3, SAS/SATA-X8 Slims	P24137-001
Cable - Miscellaneous	P24138-001
Cable - X4 MS-4LFF/PRI/TER/8SFF SAS	P24139-001
Ear SFF/LFF-DL385 right/left+power cable	P24141-001
Cable - JMP CRD C15/C14 India 2.5M	P10796-001
Cable - Internal switch, hood	P23687-001
Cables - Array on Chip (AROC) to shiner 36p PORT1 +2 kit	875093-001
Mini SAS cable SFF kit	875089-001
Optical drive dual cable assembly - Includes 710 mm (28.0 in) long SATA cable and 290 mm (11.4 in) lon g power cable - Connects the optical drive to the po wer supply and the system I/O board SATA connecto r	689392-001
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 - Conn	782457-001

Description	Spare Part Number
ects between the optical drive and the system I/O bo ard SATA connector and drive power cable	
SATA optical drive cable, 780 mm (30.7 in) long - Co nnects between the optical drive and the system I/O board	784623-001
Optical drive cable, 900 mm (35.4 in) long - 2NVMe connecter to riser	878344-001
SATA optical drive cable, 600 mm (23.6 in)/290 mm (11.41 in) long - Connects between the optical dri ve and the system I/O board	878935-001
Cable kit	
Power cable kit	875096-001
Cable kit - 2/4/8 LFF SAS/SATA	P24553-001
Cable kit - 8NVMe/P1-4/MLB+AROC	P24554-001
Spare cable kit - Includes M.2 straight to right-angl e SATA cable, 24-pin to 14-pin RPS power extension cable, 16-pin (M) to 16-pin (F) RPS power supply si deband cable, and 4-pin (F) to 4-pin (F) DVD power cable - Mandatory cable kit for DL20 Gen9	823807-001
Standard front USB power cable for use with 8SFF dr ives	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 backplan e and the P440ar controller in PCIe slot 1 or the P84 0 controller	780419-001
Mini SAS shiner cable kit	875094-001
28 AWG, 3-pin, Peripheral Component Interconnect (PCI) to controller, standard power cable	878645-001
28 AWG, 3-pin, PCI to controller, LG power cable	878646-001

Cartridge

Description	Spare Part Number
1TB Removable Disk Cartridge (RDX)	695146-001
2TB RDX	759488-001

Bracket

Description	Spare Part Number
Optical drive bracket - For 9.5 mm high optical dri ves - Mounts to the rear of the optical drive and is us ed to secure the drive in the drive bay	532475-001
Support bracket with card guides - Supports the rea r of the PCIe cards when installed on the system I/O board - Includes left and right support brackets	667263-001

Key

Description	Spare Part Number
8GB Dual micro SD flash USB dongle key V3	870891-001
8GB USB flash media key	743503-001

Card

Description	Spare Part Number
8GB micro SD enterprise mainstream flash media kit	738576-001

Cage

Description	Spare Part Number
Flex-bay enclosure kit for two hard drives - Includes the two SFF hard drive cage (Side by side), SATA hard drive backplane board, power cable 275 mm (10.8 in) long, and SATA Hard Disk Drive (HDD) cable 430 mm (16.9 in) long	775428-001
8-Bay hot-plug SFF hard drive cage assembly - Includes the metal cage structure and the SAS backplane board - Mounts in the front of the server	780971-001
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
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
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

Controller

Description	Spare Part Number
Smart array P440ar - Adaptive RAID On Chip (A ROC) daughterboard controller - Two internal x4 mi ni-SAS ports, 2GB of embedded Flashed Back Write Cache (FBWC) memory, 12 Gb/s SAS transfer rates - Does not include battery, FBWC cannot be ordered s eparately	749796-001
Smart array P440ar - Adaptive RAID controller boa rd - PCIe3 x8 , two internal x4 mini-SAS ports and 2GB of memory FBWC - For up to 12 Gb/s transfer rate - Does not include battery, FBWC cannot be ord ered separately	775413-001
Smart array P440ar controller board with cut heatsin k (For use with a GPU in the secondary PCI slot) - PC Ie3 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 P816i-a SR Gen10 - AROC, SAS/SATA i nterface, 16-SAS lanes across 4 x4 internal Mini-SAS ports, 4GB FBWC, 12 Gb/s SAS, 6 Gb/s SATA	836261-001
AROC P816i-a SR M83C controller	836261-002
Smart array P408i-a SR modular controller - 8-SAS l anes across 2 x4 internal Mini-SAS ports, 2GB FBWC, 12 Gb/s SAS, 6 Gb/s SATA, RAID 0, 1, 5, 6, 10, 50, 60, 1 Advanced Data Mirroring (ADM), 10 ADM	836260-001
StoreFabric SN1100Q 16Gb single port FC HBA	853010-001
AROC P408i-a SR M83C controller	836260-002
Smart array P408i-p SR modular controller - 12 Gb/s SAS, 6 Gb/s SATA and PCIe 3.0x8, 8-SAS 2x4 interna l Mini-SAS lanes, 2GB FBWC, RAID 0, 1, 5, 6, 10, 50, 60, 1 ADM, 10 ADM	836269-001
Smart array P408e-a SR modular controller - 12 G b/s SAS, 6 Gb/s SATA and PCIe 3.0x8, 8-SAS 2x4 inte rnal Mini-SAS lanes, 4GB FBWC, RAID 0, 1, 5, 6, 10, 5 0, 60, 1 ADM, 10 ADM	836270-001
Smart array E208i-p SR controller - SAS/SATA inter face, 8-SAS lanes across 2 x4 internal Mini-SAS ports	836266-001

Description	Spare Part Number
, No FBWC, 12 Gb/s SAS, 6 Gb/s SATA, PCI express 3. 0 x8 link, RAID 0, 1, 5, 10	
Smart array E208e-p SR controller - SAS/SATA inter face, 8-SAS lanes across (No FBWC) 2 x4 external M ini-SAS ports, 12 Gb/s SAS, 6 Gb/s SATA, PCI express 3.0 x8 link, RAID 0, 1, 5, 10	836267-001
Smart array E208i-a controller - AROC, 8-SAS lanes across 2 x4 internal Mini-SAS ports, No FBWC, 12 G b/s SAS, 6 Gb/s SATA, RAID 0, 1, 5, 10	836259-001
Smart array E208i-a SR controller - SAS/SATA inter face, 8-SAS lanes across 2 x4 internal Mini-SAS ports , No FBWC, 12 Gb/s SAS, 6 Gb/s SATA, PCI express 3. 0 x8 link, RAID 0, 1, 5, 10	871039-001

Cover

Description	Spare Part Number
Hard drive blank (Cover) - To fill empty 2.5 in SFF dri ve bay slots	652999-001
Hard drive blank (Cover) - To fill empty SFF drive b ays - Gen8	667276-001
Hard drive blank (Cover) - To fill empty SFF drive b ays - for Gen8 servers	670033-001
SFF hard drive blank (Cover) - To fill unused hard dri ve bays	675607-001
DL560/DL360 Gen9 blank cover kit - Contains powe r supply blank cover, Flexible LOM blank cover, fan sl ot blank, and heat sink blank	775423-001
Blank LFF reduced depth	827363-001
Miscellaneous blanks kit front	875069-001

Description	Spare Part Number
G8 Hard drive blank (Cover) - To fill empty LFF drive bays	667279-001
Hard drive blank (Cover) - To fill empty LFF drive b ays	675039-001
LFF hard drive blank (Cover) - To fill unused hard dri ve bays	675608-001
Optical drive blank (Cover) - To fill an empty optical drive bay	707300-001
Blank cover kit - Contains one power supply blank c over, two 8-bay SFF hard drive cage blank covers, on e secondary PCI blank cover, two fan slot blanks, and one smart array controller blank	777301-001

Fan

Description	Spare Part Number
HPE DL38X Gen10 plus high performance fan kit	P23970-001
Generic, fan, module	P23971-001
Standard fan module	875075-001
Standard efficiency fan assembly module - Mounts in the fan cage between the front hard drive bays and t he system I/O board	775415-001
High-efficiency fan assembly module - Mounts in the fan cage between the front hard drive bays and the system I/O board	775416-001

Filler

Description	Spare Part Number
CPU2 blanks kit	878510-001

Hardware

Description	Spare Part Number
Blank kit includes - Fan and latch M.cell + PCIe/T. RT NRs	875066-001
System I/O	P18718-001
Blank, quad NIC	P19929-001
Guide, rail, OCP, STD, Left+Right	P23634-001
4-LFF UBM SAS backplane	P23681-001
Power/ODD module, LFF, 2U	P23973-001
Top cover, LFF, with label	P23975-001
Top cover, SFF, with label	P23976-001
Cage, PCI riser, 2U	P24028-001
Fan cage, 2U	P24029-001
16 Cabled riser	P24031-001
2 SFF x4 stacked, Smart Carrier (SC), backplane	P24040-001
2 LFF, stack/riser, LP, backplane	P24042-001
U.3 Premium 8 SFF, SC, backplane	P24047-001
Miscellaneous blanks kit rear	P24101-001
Baffle, system, 2U	P24140-001

Description	Spare Part Number
Guard, Dual In-line Memory Module (DIMM), 2U, Left/Right	P24307-001
Generic, H/S,1U	P24556-001
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
DDR4 memory slot blank - To fill empty memory slots to ensure proper air flow in the chassis	812914-001
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
2 SFF U.3 NVMe backplane	P22810-001

Heat sink

Description	Spare Part Number
Standard heatsink 2U	P00249-001
HPE DL38X Gen10 plus high performance heat sink kit	P22547-001
Heatsink, generic, STD, 1U, DL325	P06775-001
Heatsink assembly, PROC, XL225n Gen10P, CPU1	P25448-001
Heatsink assembly, PROC, XL225n Gen10P CPU2	P25449-001
Performance heatsink 2U	P00250-001
Heatsink, generic, 1U, DL325	P06774-001

Description	Spare Part Number
Standard efficiency screw-down type heatsink assembly - For use with processors less than or equal to 135 W	775403-001

Memory

Description	Spare Part Number
HPE 8GB (1 x 8GB) single rank x8 DDR4-3200 CAS-22-22-22 registered smart memory kit	P20499-001
HPE 16GB (1 x 16GB) single rank x4 DDR4-3200 CAS-22-22-22 registered smart memory kit	P20500-001
HPE 16GB (1 x 16GB) dual rank x8 DDR4-3200 CAS-22-22-22 registered smart memory kit	P20501-001
HPE 32GB (1 x 32GB) dual rank x8 DDR4-3200 CAS-22-22-22 registered smart memory kit	P20502-001
HPE 32GB (1 x 32GB) dual rank x4 DDR4-3200 CAS-22-22-22 registered smart memory kit	P20503-001
DIMM, 32GB PC4-2133P-L, 1Gx4	752372-081
32GB PC4-2133P-L - Load Reduced Dual In-line Memory Module (LRDIMM), Synchronous Dynamic Random Access Memory (SDRAM) module, DDR4, organized as 4Gx72	774174-001
Memory (DIMM)	
DIMM, 64GB PC4-3200AA-R, 4Gx4	P20504-001

Module

Description	Spare Part Number
I/O UID LFF module	875088-001
Power switch module / System Insight Display (SID) assembly - Includes the power switch, SID assembly, UID switch, status LEDs, USB connector and serial la bel pull tag - Mounts to the right of the front drive b ays	812909-001
Power/SID module with label	P00845-001
Power module, 2U	P23972-001
Optional SID /power switch module assembly - Inclu des the SID assembly, power switch, UID switch, stat us LEDs, and USB connector - For use with servers c onfigured with SFF drive bays	777288-001
Power switch module assembly (Without SID) - Inclu des the power switch, UID switch, status LEDs, and U SB connector - For use with servers configured with SFF drives - Mounts to the right of the drive bay	783290-001

PC board

Description	Spare Part Number
SAS/SATA backplane board - For the front 2-bay SFF hard drive cage - Up to 12 Gbs transfer speed - Opt ional board for configurations requiring more than ei ght hard drives and no optical drive - Mounts on the rear of the drive cage	775401-001
2-SFF SAS/SATA drive backplane plus cage assembl y	875554-001
8-SFF SAS backplane 12 GB/s interface speed	878543-001
System I/O board (Motherboard) assembly used in D L360 and DL380 Gen9 servers - Includes the system I/O board, alcohol pad, thermal grease	P02757-001

Description	Spare Part Number
16/x16 Slot 2/3 riser	P18720-001
16/x16 Slot ½ riser	P18721-001
16 Tertiary riser	P24034-001
3 x16, Tri-mode riser	P24048-001
12Gb PCIe SAS expander - 28-physical links across 9x4 internal ports, 12 Gb/s SAS, 6 Gb/s SATA, PCIe 3 .0x8 link	876907-001
System I/O board (Motherboard) assembly - For Inte l Xeon E5-2600 series v3 (Haswell) processors only - Includes subpan, thermal grease, alcohol pad, and i nstruction card - Processors must be the same spare part number	775400-001
8-bay hot-plug SFF backplane board - For either SA S or SATA hard drives - Up to 6 Gb/s SATA and 12 G b/s SAS transfer speed - Mounts on the rear of the 8 -bay drive cage	780428-001
Primary PCIe3 riser board - Provides a full-height x1 6 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 (Broadwel l) 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 - Inc ludes the system I/O board, alcohol pad, thermal gre ase with subpan	878936-001

Power cord

Description	Spare Part Number
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
AC PDU power cord (Black) - 250 V ac, 16 AWG, 2.5 m (8.2 ft) long - Includes IEC-320 C14 (M) connector to IEC 320 C13 (F) connector	142258-002
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 (Black) - Three conductor, 1.83 m (6.0 ft) long - IEC-320 C-14 to IEC-320 C-13	142263-001
HP 12A Black power cord (Japan)	416151-291
HP Power cord 1.8 m (6 ft) long C13	416151-AA1
PDU power cord	416151-B21
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

Rack mount kit

Description	Spare Part Number
Rack mount kit, 2U, easy install, SFF	P24098-001
Rack mount kit, 2U, easy install, LFF	P24099-001
Rack mounting rail kit - For 1U server models with SFF drives - Includes left and right telescoping ball bearing type slide rails	675042-001

Switch

Description	Spare Part Number
Internal switch, hood	P24555-001
SN6600B 32Gb 48/24 FC switch	871346-001
H3C CN6660B 32Gb 48/24 FC switch	P27579-001

Transceiver

Description	Spare Part Number
B-series 32Gb Small Form Factor Pluggable Plus (SFP+) SW transceiver	855073-001
B-series SWL 4X32G Quad Small Form Factor Pluggable (QSFP)	871363-001
BladeSystem, c-Class 10G SFP+ LC SR transceiver - SFP+ 10Gb SR standard, providing 10Gb connectivity up to 300 m (984 ft) on multimode fiber - Has one LC 10 GbE port	456096-001
16GB SFP+ SW industrial extended transceiver - 100 m (328 ft) on high-bandwidth 50/125 um (OM3) MM fibers, 125 m (410 ft) on OM4 fiber	793443-001
16Gb SFP+ SW commercial transceiver	793444-001
32Gb SFP+ SW commercial temperature transceiver	855071-001

Power supply

Description	Spare Part Number
800 W Flex slot universal hot plug low halogen power supply kit - 277 V ac/380 V dc power input - 94% efficiency- Mixing of power supplies in the same server is not supported, must be the same spare part number	866727-001
HPE 800 W Flex slot -48 V dc hot plug low halogen power supply kit - 94% efficiency - Mixing of power supplies in the same server is not supported, must be the same spare part number	866728-001
500 W Flexible slot platinum hot-plug low halogen power supply kit, 94% efficiency - Mixing of power supplies in the same server is not supported, must be the same spare part number	866729-001
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
Power supply/fan SN6600B	871350-001
800 W Flexible slot titanium hot-plug low halogen power supply - 200 - 240 V ac power input - 96% efficiency - Mixing of power supplies in the same server is not supported, must be the same spare part number	866793-001
Hot plug power supply 1U, 12 V, 800 W, G10	865409-001
1600 W 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	863373-001
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 server must be the same model number	754381-001

Drive

Description	Spare Part Number
1TB SATA HDD - 6 Gb/s interface, 7,200 RPM, 3.5 in LFF, LP	862130-001
SATA DVD-ROM optical drive - 8X DVD-ROM read, 24X CD-ROM read, 9.5 mm (0.374 in) height	481430-001
SATA DVD-ROM optical drive (Jack black color) - 8X DVD-ROM read, 24X CD-ROM read, 9.5 mm (0.374 in) height	652296-001
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
USB powered external +/- RW DVD RAM drive - Maximum 8x DVD +/-R read and write speed, maximum 24x CD read and write speed - USB 2.0 interface (USB 3.0 compatible) - Does not include external power adapter	775676-001
300GB SAS hard drive - 12 Gb/s interface, 15,000 RPM, 2.5 in SFF, enterprise drive, SC, Digitally Signed (DS) firmware	870792-001
300GB SAS hard drive - 12 Gb/s interface, 10,000 RPM, 2.5 in SFF, SC, DS firmware	872735-001
600GB SAS hard drive - 12 Gb/s interface, 15,000 RPM, 2.5 in SFF, enterprise drive, SC, DS firmware	870794-001
600GB SAS hard drive - 12 Gb/s interface, 10,000 RPM, 2.5 in SFF, SC, DS firmware	872736-001
900GB SAS hard drive - 12 Gb/s interface, 15,000 RPM, 2.5 in SFF, enterprise drive, SC, DS firmware	870795-001
1.2TB SAS hard drive - 12 Gb/s interface, 10,000 RPM, 2.5 in SFF, SC, DS firmware	872737-001
1.8TB SAS hard drive - 12 Gb/s interface, 10,000 RPM, 2.5 in SFF, enterprise drive, 512e format, DS firmware	872738-001

Description	Spare Part Number
2.4TB SAS hot-plug hard drive - 10,000 RPM, 2.5 in SFF, 12 Gb/s interface, SC, 512e format, SC, DS firmware	881507-001
1TB SAS drive - 12 Gb/s transfer rate, 7,500 RPM, 2.5 in SFF, Midline (MDL), SC - For use with Gen8/Gen9 or newer	832984-001
2TB hot-plug SAS HDD - 12 Gb/s transfer rate, 7,200 RPM, 2.5 in SFF, MDL, 512e format, SmartDrive carrier - For use with Gen8/Gen9 or newer	765873-001
2TB SAS hard drive - 12 Gb/s interface, 7,200 RPM, 3.5 in LFF, MDL, LF	834133-001
4TB SAS hard drive - 12 Gb/s interface, 7,200 RPM, 3.5 in LFF, MDL, LP	834134-001
6TB SAS hard drive - 12 Gb/s transfer rate interface, 7,200 RPM, 3.5 in LFF, LP, MDL, 512e format , DS firmware	862136-001
8TB SAS hard drive - 12 Gb/s interface, 7,200 RPM, 3.5 in LFF, LP carrier, 512e format, DS firmware	834132-001
10TB SAS hard drive - 3.5 in LFF, 12G, High Endurance (HE), LP, DS firmware	P11186-001
12TB SAS, HDD - 3.5 in LFF, 7200 rpm, LP, HE, DS firmware	882398-001
14TB Hard drive - 3.5 in LFF, 12G, HE, LP, DS firmware	P11518-001
1TB hot-plug SATA HDD - 7,200 RPM, 6 Gb/s transfer rate, 2.5 in SFF, MDL, SmartDrive carrier - Not for use in MSA products	656108-001
2TB hot-plug SATA HDD - 6 Gb/s transfer rate, 7,200 RPM, 2.5 in SFF, MDL, 512e sector format, SmartDrive carrier	765869-001
2TB SATA hard drive - 6 Gb/s interface, 7,200 RPM, 3.5 in LFF, LP	862132-001
4TB SATA hard drive - 6 Gb/s interface, 7,200 RPM, 3.5 in LFF, LP	862133-001

Description	Spare Part Number
6TB SATA hard drive - 7,200 RPM, 3.5 in LFF, 6 Gb/s transfer rate interface, LP, MDL, 512e format , DS fir mware	862134-001
8TB SATA hard drive - 6 Gb/s interface, 7,200 RPM, 3.5 in LFF, LP, 512e format, reduced depth carrier	834131-001
10TB SATA hard drive - 3.5 in LFF, 6G, HE, LP, DS fir mware	P11184-001
14TB SATA hard drive - 3.5 in LFF, 6G, HE, LP, DS fir mware	P11519-001
960GB SAS Solid State Drive (SSD) - Read intensive (RI), 2.5 in SFF, SC, DS firmware	P08608-001
960GB SAS SSD - 2.5 in SFF, RI, DS firmware, SC	P06596-001
960GB SAS SSD - SFF, RI, SC	P20833-001
1.92TB SAS SSD - RI, 2.5 in SFF, SC, DS firmware	P08609-001
1.92TB SAS SSD - 2.5 in SFF, RI, DS firmware, SC	P06597-001
1.92TB SAS SSD - 2.5 in SFF, RI, SC	P20834-001
3.84TB SAS SSD - 2.5 in SFF, RI, DS firmware, SC	P06598-001
3.84TB SAS SSD - 2.5 in SFF, RI, SC	P20835-001
3.84TB SAS SSD - RI, 2.5 in SFF, SC, DS firmware	P08610-001
7.68TB SAS SSD - 2.5 in SFF, RI, DS firmware, SC	P06599-001
7.68TB SAS SSD - 2.5 in SFF, RI, SC	P20836-001
7.68TB SAS SSD - RI, 2.5 in SFF, SC, DS firmware	P08611-001
15.3TB SAS SSD - RI, 2.5 in SFF, SC, DS firmware	P08612-001
15.3TB SAS SSD - 2.5 in SFF, RI, SC	P20837-001
400GB SAS SSD - 2.5 in SFF, Write Intensive (WI), RI, Read Write (RW), Non-hot-plug (NHP), DS firmware	P02878-001
400GB SAS SSD - 2.5 in SFF, Mixed Use (MU), DS fir mware, SC	P06576-001

Description	Spare Part Number
400GB SAS SSD - 2.5 in SFF, MU, SC, DS firmware	P09922-001
800GB SAS SSD - 2.5 in SFF, MU, RW, DS firmware	P02995-001
800GB SAS SSD - 2.5 in SFF, MU, DS firmware, SC	P06577-001
800GB SAS SSD - 2.5 in SFF, MU, SC, DS firmware	P09923-001
800GB SAS SSD - 2.5 in SFF, MU, SC	P20838-001
1.6TB SAS SSD - 2.5 in SFF, MU, SC, DS firmware	P06580-001
1.6TB SAS SSD - 2.5 in SFF, MU, SC, DS firmware	P09924-001
1.6TB SAS SSD - 2.5 in SFF, MU, SC	P20839-001
3.2TB SAS SSD - 2.5 in SFF, MU, SC, DS firmware	P06582-001
3.2TB SAS SSD - 2.5 in SFF, MU, SC, DS firmware	P09925-001
3.2TB SAS SSD - 2.5 in SFF, MU, SC	P20840-001
6.4TB SAS SSD - 2.5 in SFF, MU, SC, DS firmware	P06583-001
6.4TB SAS SSD - 2.5 in SFF, MU, SC, DS firmware	P09926-001
6.4TB SAS SSD - 2.5 in SFF, MU, SC	P20841-001
400GB SAS SSD - 12 Gb/s, 2.5 in SFF, WI, SC, DS firmware	P06600-001
400GB SAS SSD - 2.5 in SFF, WI, SC, DS firmware	P09947-001
800GB SAS SSD - 2.5 in SFF, WI, DS firmware, SC	P06602-001
800GB SAS SSD - 2.5 in SFF, WI, SC, DS firmware	P09948-001
1.6TB SAS SSD - 2.5 in SFF, WI, SC, DS firmware	P09949-001
1.6TB SAS SSD - 2.5 in SFF, SC, WI, DS firmware	P06604-001
3.2TB SAS SSD - 2.5 SFF, WI, DS firmware, SC	P06605-001
480GB SATA SSD - 2.5 in SFF, MU, SC, DS firmware	P08690-001
480GB SATA SSD - 6 Gb/s interface, 2.5 in SFF, Quick Release (QR), Value Endurance (VE)	782996-001

Description	Spare Part Number
480GB SSD - 2.5 in SFF, 6G, MU, NHP	P00041-001
480GB SATA SSD - 2.5 in SFF, MU, SC, DS firmware	P08620-001
480GB SATA SSD - 2.5 in SFF SC, MU	P18477-001
960GB SATA SSD - 2.5 in SFF, MU, SC, DS firmware	P08692-001
960GB SATA SSD - 2.5 in SFF SC, MU	P18478-001
1.92TB SATA SSD - 2.5 in SFF, MU, SC, DS firmware	P08694-001
480GB SATA SSD - 2.5 in SFF, MU, SC, DS firmware	P09907-001
960GB SATA SSD - 2.5 in SFF, MU, SC, DS firmware	P09909-001
1.92TB SATA SSD - 6 Gb/s, 2.5 in SFF, SC, MU	P19695-001
1.92TB SATA SSD - 2.5 in SFF, MU, SC, DS firmware	P09912-001
1.92TB SATA SSD - SC, DS firmware	P13810-001
3.84TB SATA SSD - SC, MU, DS firmware drive, 2.5 in SFF	P02562-001
3.84TB SSD - 2.5 in SFF, SC, MU	P18480-001
3.84TB SATA SSD - 2.5 in SFF, SC	P22588-001
240GB SATA SSD - 2.5 in SFF, RI, SC, DS firmware	P05319-001
240GB hot-plug SSD - SATA interface, RI, 6 Gb/s transfer rate, 2.5 in SFF, SC, DS firmware	875652-001
480GB SATA SSD - 2.5 in SFF, RI, DS firmware, SC	P06571-001
480GB SATA SSD - 2.5 in SFF SC, RI	P18482-001
HP Z 9.5 mm SATA jack black color DVD-RW optical drive	652242-B21
900GB hot-plug SAS HDD - 12 Gb/s transfer rate, 10,000 RPM, 2.5 in SFF, enterprise, SmartDrive carrier	785411-001
240GB SATA SSD - 2.5 in SFF SC, RI	P18481-001
480GB SATA SSD - 2.5 in SFF, RI, SC, DS firmware	P05320-001

Description	Spare Part Number
480GB SATA SSD - 2.5 in SFF, RI, SC, DS firmware	P05312-001
960GB SATA SSD - 2.5 in SFF, RI, SC, DS firmware	P05321-001
960GB SATA SSD - 2.5 in SFF, RI, DS firmware, SC	P06572-001
960GB SSD - SATA interface, 3.5 in LFF, RI, DS firmware, Low Profile Converter (LPC), SC	882114-001
960GB SATA SSD - 2.5 in SFF, SATA RI, SC, DS firmware	P05313-001
960GB SATA SSD - 2.5 in SFF SC, RI	P18483-001
1.92TB SATA SSD - 2.5 in SFF, RI, SC, DS firmware	P05322-001
1.92TB SATA SSD - 2.5 in SFF, RI, DS firmware, SC	P06573-001
1.92TB SATA SSD - 2.5 in SFF, RI, SC, DS firmware	P05314-001
1.92TB SATA SSD - 2.5 in SFF SC, RI	P18484-001
3.84TB SATA SSD - 2.5 in SFF, RI, SC, DS firmware	P05315-001
3.84TB SATA SSD - 2.5 in SFF, RI, SC, DS firmware	P05323-001
3.84TB SATA SSD - 2.5 in SFF, RI, DS firmware, SC	P06574-001
3.84TB SATA SSD - 2.5 in SFF SC, RI	P18485-001
7.68TB SATA SSD - 2.5 in SFF, RI, SC, DS firmware	P05316-001
7.68TB SATA SSD - 2.5 in SFF SC, RI	P18486-001
1.92TB SSD NVMe U.3 - SFF, RI, SC NVMe	P20735-001
3.84TB SSD NVMe U.3 - SFF, RI, SC NVMe	P20736-001
1.6TB SSD NVMe U.3 - 2.5 in SFF, MU, SC NVMe	P20737-001
3.2TB SSD NVMe U.3 - SFF, MU, SC NVMe	P20738-001
750GB PCIe x4 WI, HH, DS card	P03580-001
32GB USB Secure Digital High Capacity (SDHC) flash media drive card	704502-001

Description	Spare Part Number
Drive dual 32GB USD to USB dongle	P23103-001
Drive assembly	
External removable disk backup system - USB 3.0 in terface, 5 1/4 in LFF, compatible with RDX cartridges of any capacity	815082-001

Option Parts

Subtopics

- **New model specific parts lists**
- **Processor**
- **Memory**
- **Power supply**
- **HPE Unique options**
- **HPE Optical drives**
- **HPE Drives**
- **Hard drive kits**
- **HPE Storage options**
- **HPE Networking**
- **OCP adapters**
- **HPE InfiniBand**
- **HPE I/O expansion**
- **Embedded management**
- **HPE Security**
- **Rail kits**
- **HPE USB and SD**
- **HPE Support 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.

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- The product Standard Models page now links the model SKU numbers to the spare parts list for each model found on the HPE 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). The spare part number does not provide RoHS-compliant information.

Processor

Description	Option Part Number
AMD EPYC 7262 (3.2 GHz/8-core/155 W) FIO processor kit	P17537-L21 [1]
AMD EPYC 7252 (3.1 GHz/8-core/120 W) FIO processor kit	P21730-L21 [1]
AMD EPYC 7272 (2.9 GHz/12-core/120 W) FIO processor kit	P21785-L21 [1]
AMD EPYC 7302 (3.0 GHz/16-core/155 W) FIO processor kit	P17540-L21 [1]
AMD EPYC 7282 (2.8 GHz/16-core/120 W) FIO processor kit	P21727-L21 [1]
AMD EPYC 7352 (2.3 GHz/24-core/155 W) FIO processor kit	P21724-L21 [1]
AMD EPYC 7402 (2.8 GHz/24-core/180 W) FIO processor kit	P17543-L21 [1]
AMD EPYC 7452 (2.3 GHz/32-core/155 W) FIO processor kit	P21655-L21 [1]
AMD EPYC 7502 (2.5 GHz/32-core/180 W) FIO processor kit	P21628-L21 [1]
AMD EPYC 7542 (2.9 GHz/32-core/225 W) FIO processor kit	P21718-L21 [2]

Description	Option Part Number
AMD EPYC 7552 (2.2 GHz/48-core/200 W) FIO processor kit	P21721-L21 [2]
AMD EPYC 7642 (2.3 GHz/48-core/225 W) FIO processor kit	P21663-L21 [2]
AMD EPYC 7742 (2.2 GHz/64-core/225 W) FIO processor kit	P21630-L21 [2]
AMD EPYC 7702 (2.0 GHz/64-core/200 W) FIO processor kit	P17546-L21 [2]
AMD EPYC 7262 (3.2 GHz/8-core/155 W) processor kit	P17537-B21 [1]
AMD EPYC 7252 (3.1 GHz/8-core/120 W) processor kit	P21730-B21 [1]
AMD EPYC 7272 (2.9 GHz/12-core/120 W) processor kit	P21785-B21 [1]
AMD EPYC 7302 (3.0 GHz/16-core/155 W) processor kit	P17540-B21 [1]
AMD EPYC 7282 (2.8 GHz/16-core/120 W) processor kit	P21727-B21 [1]
AMD EPYC 7352 (2.3 GHz/24-core/155 W) processor kit	P21724-B21 [1]
AMD EPYC 7402 (2.8 GHz/24-core/180 W) processor kit	P17543-B21 [1]
AMD EPYC 7452 (2.3 GHz/32-core/155 W) processor kit	P21655-B21 [1]
AMD EPYC 7502 (2.5 GHz/32-core/180 W) FIO processor kit	P21628-B21 [1]
AMD EPYC 7542 (2.9 GHz/32-core/225 W) processor kit	P21718-B21 [2]
AMD EPYC 7552 (2.2 GHz/48-core/200 W) processor kit	P21721-B21 [2]
AMD EPYC 7642 (2.3 GHz/48-core/225 W) processor kit	P21663-B21 [2]

Description	Option Part Number
AMD EPYC 7742 (2.2 GHz/64-core/225 W) process or kit	P21630-B21 [2]
AMD EPYC 7702 (2.0 GHz/64-core/200 W) process or kit	P17546-B21 [2]

NOTE:

1. Ships with standard heatsink
2. Ships with high performance heatsink

Memory

Description	Option Part Number
Registered Dual In-Line Memory Modules (RDIMMs)	
HPE 8GB (1 x 8GB) single rank x8 DDR4-3200 CAS -22-22-22 registered smart memory kit	P07638-B21
HPE 16GB (1 x 16GB) single rank x4 DDR4-3200 CAS-22-22-22 registered smart memory kit	P07640-B21
HPE 16GB (1 x 16GB) dual rank x8 DDR4-3200 CAS-22-22-22 registered smart memory kit	P07642-B21
HPE 32GB (1 x 32GB) dual rank x8 DDR4-3200 CAS-22-22-22 registered smart memory kit	P07644-B21
HPE 32GB (1 x 32GB) dual rank x4 DDR4-3200 CAS-22-22-22 registered smart memory kit	P07646-B21
HPE 64GB (1 x 64GB) dual rank x4 DDR4-3200 CAS-22-22-22 registered smart memory kit	P07650-B21
Memory blank kit	
HPE DDR4 DIMM blank kit	P07818-B21

Description	Option Part Number

NOTE:

- Memory DIMM availability with a server platform is dependent upon completion of certif ication testing.
- The maximum memory speed is a function of the memory type, memory configuration and processor model.
- Mixing of x4 & x8 memory is not allowed
- 3200 MT/s memory SKUs offer a transfer rate of 3200 MT/s at 1 DIMM per channel and 2933 MT/s at 2 DIMMs per channel.

Power supply

Description	Option Part Number
HPE Flex slot power supplies	
HPE 500 W Flex slot platinum hot plug low halogen power supply kit	865408-B21 [1]
HPE 800 W Flex slot titanium hot plug low halogen power supply kit	865438-B21 [2]
HPE 800 W Flex slot platinum hot plug low halogen power supply kit	865414-B21 [1]
HPE 800 W Flex slot -48 V dc hot plug low halogen power supply kit	865434-B21 [3]
HPE 800 W Flex slot universal hot plug low halogen power supply kit	865428-B21 [4]
HPE 1600 W Flex slot platinum hot plug low haloge n power supply kit	830272-B21 [4]

NOTE:

1. Flex slot platinum power supplies support power efficiency of up to 94% and include a standard C-14 power inlet connector.

Description	Option Part Number

2. Flex slot titanium power supplies support power efficiency of up to 96% and include a sta ndard C-14 power inlet connector.

3. Flex slot -48 V dc power supplies support power efficiency of up to 94%.

- Flex slot universal power supplies support power efficiency of up to 94% and support both 277 V ac/380 V dc power inputs.
- Flex slot platinum plus power supplies support power efficiency of up to 94% and includ e a C-14 power inlet connector that can support HPE Power discovery services (Blue co nnector).
- Prior to making a power supply selection it is highly recommended that the HPE power advisor is run to determine the right size power supply for users server configuration. T he HPE power advisor is located at:

  Click here to view the Rack and power infrastructure for more information.

- All power supplies in a server should match. Mixing power supplies is not supported.
- Option kits contain the specified power supply and a PDU IEC cable.
- 1600 W power supplies only support high line voltage.
- HPE ProLiant servers ship with an IEC-IEC power cord used for rack mounting with Pow er Distribution Units (PDUs). Visit HPE power cords for a full list of optional HPE power cords.

  Click here to HPE Power cords and cables for more information.

HPE Unique options

Description	Option Part Number
HPE DL325 Gen10 Plus TAA-compliant FIO enable ment kit	P14282-B21
HPE DL38X Gen10 Plus 2 Large Form Factor (LFF) tertiary FIO riser kit	P14580-B21
HPE DL38X Gen10 Plus x16/x16 slot ½ FIO riser kit	P14592-B21
HPE DL38X Gen10 Plus x16/x16 slot 2/3 FIO riser k it	P14599-B21

Description	Option Part Number
HPE DL38X Gen10 Plus 8Non-Volatile Memory Express (NVMe) balanced support FIO bundle	P19358-B21
HPE DL385 Gen10 Plus 8NVMe direct support FIO bundle	P22750-B21
HPE DL385 Gen10 Plus 16NVMe balanced support FIO bundle	P22751-B21
HPE DL38X Gen10 8 Small Form Factor (SFF) front cage removal FIO option	873763-B21
HPE DL38X Gen10 plus universal media bay kit	P14609-B21
HPE DL38X Gen10 plus system insight display kit	P14611-B21
HPE DL38X Gen10 plus AROC to NVMe adapter kit	P14602-B21
HPE DL38X Gen10 plus maximum performance fan kit	P14608-B21
HPE DL38X Gen10 plus high performance heat sink kit	P14610-B21
HPE DL385 Gen10 1U high performance heat sink kit	P19368-B21
HPE Gen10 plus chassis intrusion detection kit	P14604-B21
HPE DL38X Gen10 12Gb SAS expander card kit with cables	870549-B21
HPE DL38X Gen10 SFF Box1/2 cage/backplane kit	826691-B21

HPE Optical drives

Description	Option Part Number
HPE 9.5 mm SATA DVD-ROM optical drive	726536-B21 [1]
HPE 9.5 mm SATA DVD-RW optical drive	726537-B21 [2]

Description	Option Part Number
HPE Mobile USB DVD-RW optical drive	701498-B21

NOTE:

1. HPE DL385 Gen10 plus universal media bay kit (P14609-B21) is required for this opti on on a SFF model. Supported only on 8 SFF and 8 LFF models.
2. HPE DL385 Gen10 plus universal media bay kit (P14609-B21) is required for this opti on on a SFF model. Supported only on 8 SFF and 8 LFF models.

HPE Drives

Description	Option Part Number
Enterprise - 12G SAS - SFF Drives	
HPE 300GB SAS 12G enterprise 15K SFF (2.5 in) SC 3-year warranty Digitally Signed (DS) firmware HDD	870753-B21
HPE 300GB SAS 12G enterprise 10K SFF (2.5 in) SC 3-year warranty DS firmware HDD	872475-B21
HPE 600GB SAS 12G enterprise 15K SFF (2.5 in) SC 3-year warranty DS firmware HDD	870757-B21
HPE 600GB SAS 12G enterprise 10K SFF (2.5 in) SC 3-year warranty DS firmware HDD	872477-B21
HPE 900GB SAS 12G enterprise 15K SFF (2.5 in) SC 3-year warranty DS firmware HDD	870759-B21
HPE 1.2TB SAS 12G enterprise 10K SFF (2.5 in) SC 3-year warranty DS firmware HDD	872479-B21
HPE 1.8TB SAS 12G enterprise 10K SFF (2.5 in) SC 3-year warranty 512e DS firmware HDD	872481-B21
HPE 2.4TB SAS 12G enterprise 10K SFF (2.5 in) SC 3-year warranty 512e DS firmware HDD	881457-B21

Description	Option Part Number
Midline (MDL) - 12G SAS - SFF Drives	
HPE 1TB SAS 12G MDL 7.2K SFF (2.5 in) SC 1-year warranty DS firmware HDD	832514-B21
HPE 2TB SAS 12G MDL 7.2K SFF (2.5 in) SC 1-year warranty 512e HDD	765466-B21
MDL - 12G SAS - LFF Drives	
HPE 2TB SAS 12G MDL 7.2K LFF (3.5 in) LP 1-year warranty DS firmware HDD	833926-B21
HPE 4TB SAS 12G MDL 7.2K LFF (3.5 in) LP 1-year warranty DS firmware HDD	833928-B21
HPE 6TB SAS 12G MDL 7.2K LFF (3.5 in) LP 1-year warranty 512e HDD	861746-B21
HPE 8TB SAS 12G MDL 7.2K LFF (3.5 in) LP 1-year warranty 512e DS firmware HDD	834031-B21
HPE 10TB SAS 12G MDL 7.2K LFF (3.5 in) LP 1-ye ar warranty helium 512e DS firmware HDD	P09149-B21
HPE 10TB SAS 12G MDL 7.2K LFF (3.5 in) LP 1-ye ar warranty helium 512e DS 6-pack FIO HDD	P09799-B21
HPE 12TB SAS 12G MDL 7.2K LFF (3.5 in) LP 1-ye ar warranty helium 512e DS firmware HDD	881781-B21
HPE 14TB SAS 12G MDL 7.2K LFF (3.5 in) LP 1-ye ar warranty helium 512e DS firmware HDD	P09155-B21
MDL - 6G SATA - SFF Drives	
HPE 1TB SATA 6G MDL 7.2K SFF (2.5 in) SC 1-year warranty DS firmware HDD	655710-B21
HPE 2TB SATA 6G MDL 7.2K SFF (2.5 in) SC 1-year warranty 512e DS firmware HDD	765455-B21
MDL - 6G SATA - LFF Drives	
HPE 1TB SATA 6G MDL 7.2K LFF (3.5 in) LP 1-year warranty DS firmware HDD	861686-B21

Description	Option Part Number
HPE 2TB SATA 6G MDL 7.2K LFF (3.5 in) LP 1-year warranty DS firmware HDD	861681-B21
HPE 4TB SATA 6G MDL 7.2K LFF (3.5 in) LP 1-year warranty DS firmware HDD	861683-B21
HPE 6TB SATA 6G MDL 7.2K LFF (3.5 in) LP 1-year warranty 512e HDD	861742-B21
HPE 8TB SATA 6G MDL 7.2K LFF (3.5 in) LP 1-year warranty 512e DS firmware HDD	834028-B21
HPE 10TB SATA 6G MDL 7.2K LFF (3.5 in) LP 1-yea r warranty helium 512e DS firmware HDD	P09161-B21
HPE 10TB SATA 6G MDL 7.2K LFF (3.5 in) LP 1-yea r warranty helium 512e DS 6-pack FIO HDD	P09797-B21
HPE 12TB SATA 6G MDL 7.2K LFF (3.5 in) LP 1-yea r warranty helium 512e DS firmware HDD	881787-B21
HPE 14TB SATA 6G MDL 7.2K LFF (3.5 in) LP 1-yea r warranty helium 512e DS firmware HDD	P09165-B21
Read Intensive (RI) - 12G SAS - SFF - Solid State Drive (SSD)	
HPE 960GB SAS 12G RI SFF (2.5 in) SC 3-year war ranty DS firmware SSD	P06584-B21
HPE 960GB SAS 12G RI SFF (2.5 in) SC 3-year war ranty DS firmware SSD	P04517-B21
HPE 960GB SAS 12G RI SFF (2.5 in) SC 3-year war ranty SSD	P19903-B21
HPE 1.92TB SAS 12G RI SFF (2.5 in) SC 3-year war ranty DS firmware SSD	P06586-B21
HPE 1.92TB SAS 12G RI SFF (2.5 in) SC 3-year war ranty DS firmware SSD	P04519-B21
HPE 1.92TB SAS 12G RI SFF (2.5 in) SC 3-year war ranty SSD	P19905-B21
HPE 3.84TB SAS 12G RI SFF (2.5 in) SC 3-year war ranty DS firmware SSD	P04521-B21

Description	Option Part Number
HPE 3.84TB SAS 12G RI SFF (2.5 in) SC 3-year warranty SSD	P19907-B21
HPE 3.84TB SAS 12G RI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P06588-B21
HPE 7.68TB SAS 12G RI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P04523-B21
HPE 7.68TB SAS 12G RI SFF (2.5 in) SC 3-year warranty SSD	P19909-B21
HPE 7.68TB SAS 12G RI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P06590-B21
HPE 15.3TB SAS 12G RI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P06592-B21
HPE 15.36TB SAS 12G RI SFF (2.5 in) SC 3-year warranty SSD	P19911-B21
Mixed Use (MU) - 12G SAS - SFF - SSD	
HPE 400GB SAS 12G MU SFF (2.5 in) SC 3-year warranty DS firmware SSD	P04525-B21
HPE 400GB SAS 12G MU SFF (2.5 in) SC 3-year warranty DS firmware SSD	P09088-B21
HPE 800GB SAS 12G MU SFF (2.5 in) SC 3-year warranty DS firmware SSD	P04527-B21
HPE 800GB SAS 12G MU SFF (2.5 in) SC 3-year warranty DS firmware SSD	P09090-B21
HPE 800GB SAS 12G MU SFF (2.5 in) SC 3-year warranty SSD	P19913-B21
HPE 1.6TB SAS 12G MU SFF (2.5 in) SC 3-year warranty DS firmware SSD	P04533-B21
HPE 1.6TB SAS 12G MU SFF (2.5 in) SC 3-year warranty DS firmware SSD	P09092-B21
HPE 1.6TB SAS 12G MU SFF (2.5 in) SC 3-year warranty SSD	P19915-B21

Description	Option Part Number
HPE 3.2TB SAS 12G MU SFF (2.5 in) SC 3-year warranty DS firmware SSD	P04537-B21
HPE 3.2TB SAS 12G MU SFF (2.5 in) SC 3-year warranty DS firmware SSD	P09094-B21
HPE 3.2TB SAS 12G MU SFF (2.5 in) SC 3-year warranty SSD	P19917-B21
HPE 6.4TB SAS 12G MU SFF (2.5 in) SC 3-year warranty DS firmware SSD	P04539-B21
HPE 6.4TB SAS 12G MU SFF (2.5 in) SC 3-year warranty DS firmware SSD	P09096-B21
HPE 6.4TB SAS 12G MU SFF (2.5 in) SC 3-year warranty SSD	P19919-B21
Write Intensive (WI) - 12G SAS - SFF - SSD	
HPE 400GB SAS 12G WI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P04541-B21
HPE 400GB SAS 12G WI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P09098-B21
HPE 800GB SAS 12G WI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P04543-B21
HPE 800GB SAS 12G WI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P09100-B21
HPE 1.6TB SAS 12G WI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P09102-B21
HPE 1.6TB SAS 12G WI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P04545-B21
HPE 3.2TB SAS 12G WI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P04547-B21
MU - 6G SATA - SFF - SSD	
HPE 480GB SATA 6G MU SFF (2.5 in) SC 3-year warranty DS firmware SSD	P07922-B21

Description	Option Part Number
HPE 480GB SATA 6G MU SFF (2.5 in) SC 3-year warranty multi vendor SSD	P18432-B21
HPE 960GB SATA 6G MU SFF (2.5 in) SC 3-year warranty DS firmware SSD	P07926-B21
HPE 960GB SATA 6G MU SFF (2.5 in) SC 3-year warranty multi vendor SSD	P18434-B21
HPE 1.92TB SATA 6G MU SFF (2.5 in) SC 3-year warranty DS firmware SSD	P07930-B21
MU - 6G SATA - SFF - SSD	
HPE 480GB SATA 6G MU SFF (2.5 in) SC 3-year warranty DS firmware SSD	P09712-B21
HPE 960GB SATA 6G MU SFF (2.5 in) SC 3-year warranty DS firmware SSD	P09716-B21
HPE 1.92TB SATA 6G MU SFF (2.5 in) SC 3-year warranty multi vendor SSD	P18436-B21
HPE 1.92TB SATA 6G MU SFF (2.5 in) SC 3-year warranty DS firmware SSD	P09722-B21
HPE 1.92TB SATA 6G MU SFF (2.5 in) SC 3-year warranty DS firmware SSD	P13662-B21
HPE 3.84TB SATA 6G MU SFF (2.5 in) SC 3-year warranty DS firmware SSD	P00896-B21
HPE 3.84TB SATA 6G MU SFF (2.5 in) SC 3-year warranty multi vendor SSD	P18438-B21
HPE 3.84TB SATA 6G MU SFF (2.5 in) SC 3-year warranty DS firmware SSD	P21517-B21
RI - 6G SATA - SFF - SSD	
HPE 240GB SATA 6G RI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P04556-B21
HPE 240GB SATA 6G RI SFF (2.5 in) SC 3-year warranty DS firmware SSD	875503-B21

Description	Option Part Number
HPE 240GB SATA 6G RI SFF (2.5 in) SC 3-year warranty multi vendor SSD	P18420-B21
HPE 480GB SATA 6G RI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P06194-B21
HPE 480GB SATA 6G RI SFF (2.5 in) SC 3-year warranty multi vendor SSD	P18422-B21
HPE 480GB SATA 6G RI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P04560-B21
HPE 480GB SATA 6G RI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P04474-B21
HPE 960GB SATA 6G RI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P04564-B21
HPE 960GB SATA 6G RI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P06196-B21
HPE 960GB SATA 6G RI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P04476-B21
HPE 960GB SATA 6G RI SFF (2.5 in) SC 3-year warranty multi vendor SSD	P18424-B21
HPE 1.92TB SATA 6G RI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P04566-B21
HPE 1.92TB SATA 6G RI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P06198-B21
HPE 1.92TB SATA 6G RI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P04478-B21
HPE 1.92TB SATA 6G RI SFF (2.5 in) SC 3-year warranty multi vendor SSD	P18426-B21
HPE 3.84TB SATA 6G RI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P04480-B21
HPE 3.84TB SATA 6G RI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P04570-B21
HPE 3.84TB SATA 6G RI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P06200-B21

Description	Option Part Number
HPE 3.84TB SATA 6G RI SFF (2.5 in) SC 3-year warranty multi vendor SSD	P18428-B21
HPE 7.68TB SATA 6G RI SFF (2.5 in) SC 3-year warranty DS firmware SSD	P04482-B21
HPE 7.68TB SATA 6G RI SFF (2.5 in) SC 3-year warranty multi vendor	P18430-B21
RI - NVMe - SFF - SSD	
HPE 1.92TB NVMe x4 lanes performance RI SFF (2.5 in) SC U.3 SSD	P16501-B21
HPE 3.84TB NVMe x4 lanes performance RI SFF (2.5 in) SC U.3 SSD	P16503-B21
MU - NVMe - SFF - SSD	
HPE 1.6TB NVMe high performance MU SFF (2.5 in) SC 3-year warranty universal connect SSD	P16497-B21
HPE 3.2TB NVMe high performance MU SFF (2.5 in) SC 3-year warranty universal connect SSD	P16499-B21
Hard drive blank kits	
HPE LFF hard drive blank kit	666986-B21
HPE SFF hard drive blank kit	666987-B21

Hard drive kits

Description	Option Part Number
HPE DL38X Gen10 plus 4LFF SAS/SATA low profile mid tray drive cage kit	P14503-B21
HPE DL38X Gen10 plus 2LFF primary FIO riser kit	P14579-B21
HPE DL385 Gen10 plus 2SFF NVMe/SAS smart carrier primary riser kit	P14505-B21

Description	Option Part Number
HPE DL385 Gen10 plus 2SFF NVMe/SAS smart carrier front/rear drive cage kit	P14506-B21
HPE DL385 Gen10 plus 2SFF SAS/SATA smart carrier LFF chassis drive cage kit	P14507-B21
HPE DL385 Gen10 plus 8SFF NVMe/SAS smart carrier Box 1-3 drive cage kit	P14578-B21

HPE Storage options

Description	Option Part Number
Emulex fibre channel Host Bus Adapter (HBA)	
HPE StoreFabric SN1200E 16Gb single port fibre channel HBA	Q0L13A
HPE StoreFabric SN1200E 16Gb dual port fibre channel HBA	Q0L14A
HPE StoreFabric SN1600E 32Gb single port fibre channel HBA	Q0L11A
HPE StoreFabric SN1600E 32Gb dual port fibre channel HBA	Q0L12A
QLogic fibre channel HBA	
HPE StoreFabric SN1100Q 16Gb single port fibre channel HBA	P9D93A
HPE StoreFabric SN1100Q 16Gb dual port fibre channel HBA	P9D94A
HPE SN1610Q 32Gb 1-port fibre channel HBA	R2E08A
HPE SN1610Q 32Gb 1-port fibre channel HBA	R2E09A

HPE Networking

Description	Option Part Number
1 Gigabit Ethernet adapters	
HPE Ethernet 1Gb 4-port BASE-T I350-T4 adapter	P21106-B21
10 Gigabit Ethernet adapters	
HPE Ethernet 10Gb 2-port BASE-T QL41132HLRJ adapter	P08437-B21
HPE Ethernet 10Gb 2-port SFP+ QL41132HLCU adapter	P21933-B21
HPE Ethernet 10Gb 2-port SFP+ MCX4121A-XCHT adapter	P21930-B21
HPE Ethernet 10Gb 4-port SFP+ QL41134HLCU adapter	P10094-B21
10 Gigabit Ethernet adapters	
HPE Ethernet 10/25Gb 2-port SFP28 MCX512F-ACHT adapter	P13188-B21
HPE Ethernet 10/25Gb 2-port SFP28 X2522-25G-PLUS adapter	P21109-B21 [1]
100 Gigabit Ethernet adapters	
HPE Ethernet 100Gb 2-port QSFP28 MCX516A-CCHT adapter	P21927-B21 [2]

NOTE:

1. This NIC option will be restricted to x8 bandwidth.

2. 4-Port adapters go only into slot 1

- A minimum of two Gigabytes (2GB) of server memory is required per each adapter.
- Direct Attach Cable (DAC) for copper environments or fiber transceivers and cables for fiber-optic environments must be purchased separately.

OCP adapters

Description	Option Part Number
HPE Ethernet 1Gb 4-port BASE-T I350-T4 OCP3 adapter	P08449-B21
HPE Ethernet 10Gb 2-port SFP+ QL41132HQCU OCP3 adapter	P08452-B21
HPE Ethernet 10Gb 2-port BASE-T QL41132HQRJ OCP3 adapter	P10103-B21
HPE Ethernet 10/25Gb 2-port SFP+ MCX4621A-ACAB OCP3 adapter	P11341-B21 [1]
HPE Ethernet 10/25Gb 2-port SFP28 MCX562A-ACAI OCP3 adapter	P10112-B21
HPE Ethernet 10/25Gb 2-port SFP28 QL41232HQCU OCP3 adapter	P10118-B21
HPE Ethernet 10/25Gb 2-port SFP28 QL41232HLCU adapter	P22702-B21

NOTE:

1. MCX4621A adapter will be available later, from CQ2'20 onwards.

2. MCX562A adapter will be available later, from CQ2'20 onwards.

- OCP adapters do not consume PCIe slot
- Only 1 slot is available for OCP adapters
- Only SFF OCP adapters below 35 W can be supported.

HPE InfiniBand

Description	Option Part Number
HPE InfiniBand HDR/Ethernet 200Gb 1-port QSFP56 MCX653105A-HDAT PCIe 4 x16 adapter	P23664-B21
HPE InfiniBand HDR100/Ethernet 100Gb 1-port QSFP56 MCX653105A-ECAT PCIe 4 x16 adapter	P23665-B21
HPE InfiniBand HDR100/Ethernet 100Gb 2-port QSFP56 MCX653106A-ECAT PCIe 4 x16 adapter	P23666-B21

HPE I/O expansion

Description	Option Part Number
HPE DL38X Gen10 plus primary NEBS-compliant riser kit	P14575-B21 [1]
HPE DL38X Gen10 plus tertiary NEBS-compliant riser kit	P14577-B21 [2]
HPE DL38X Gen10 plus x8/x16/x8 secondary riser kit	P14587-B21 [2]
HPE DL38X Gen10 plus x16 tertiary riser kit	P14588-B21 [2]
HPE DL38X Gen10 plus x16/x16 slot ½ secondary riser kit	P14589-B21 [2]
HPE DL38X Gen10 plus x16/x16 slot 2/3 secondary riser kit	P14590-B21 [2]
HPE DL38X Gen10 plus slot1 x16 adder for slot2/3 riser kit	P14600-B21 [2]
HPE PCIe workload accelerator options	
HPE 750GB PCIe x4 lanes WI Half Height, Half Length (HHHL) 3-year warranty DS firmware card	878038-B21 [3]

NOTE:

Description	Option Part Number

For a Secondary/Tertiary riser the second processor is required.

- **1.** Requires selection of HPE DL38X Gen10 plus tertiary NEBS-compliant riser kit (P14577-B21).
- **2.** Requires selection of a 2nd processor
- **3.** Required to add additional x16 PCIe Gen4 lanes for primary/secondary riser3.

Embedded management

Description	Option Part Number
HPE iLO advanced	
HPE iLO advanced electronic license with 1-year support on iLO licensed features	E6U59ABE
HPE iLO advanced 1-server license with 1-year support on iLO licensed features	512485-B21
HPE iLO advanced flexible quantity license with 1-year support on iLO licensed features	512486-B21
HPE iLO advanced AKA tracking license with 1-year support on iLO licensed features	512487-B21
HPE iLO advanced electronic license with 3-year support on iLO licensed features	E6U64ABE
HPE iLO advanced 1-server license with 3-year support on iLO licensed features	BD505A
HPE iLO advanced flexible quantity license with 3-year support on iLO licensed features	BD506A
HPE iLO advanced AKA tracking license with 3-year support on iLO licensed features	BD507A
HPE iLO common password FIO setting	P08040-B21
HPE Converged infrastructure management software	

Description	Option Part Number
HPE OneView physical media kit LTU	E5Y37A
HPE OneView standard 1-year 9x5 support flexible quantity E-RTU	K6F98AAE
HPE OneView including 3-year 24x7 support physi cal 1-server LTU	E5Y34A
HPE OneView including 3-year 24x7 support track 1 -server LTU	E5Y36A
HPE OneView including 3-year 24x7 support flexibl e quantity E-LTU	E5Y35AAE
HPE OneView upgrade from insight management 3 -year 24x7 support 1-server LTU	F6Q91A
HPE OneView without iLO including 3-year 24x7 su pport 1-server LTU	P8B24A
HPE OneView without iLO including 3-year 24x7 su pport track 1-server LTU	P8B25A
HPE OneView without iLO including 3-year 24x7 su pport 1-server FIO LTU	P8B31A
HPE OneView without iLO advance including 3-year 24x7 support track 1-server LTU	E5Y40A
HPE OneView for ProLiant DL server including 3-yea r 24x7 support FIO bundle physical 1-server LTU	E5Y43A
HPE OneView for ProLiant DL server including 3-yea r 24x7 support bundle track 1-server LTU	E5Y44A
HPE OneView upgrade from insight management inc luding 3-year 24x7 support flexible quantity E-LTU	E5Y45AAE
HPE OneView without iLO including 3-year 24x7 su pport flexible quantity E-LTU	P8B26AAE

HPE Security

Description	Option Part Number
HPE Gen10 2U Bezel kit	867809-B21 [1]
HPE Bezel lock kit	875519-B21 [1]
HPE 96 W Smart storage battery (Up to 20 devices) with 145 mm cable kit	
HPE Smart array P816i-a SR Gen10 (16 Internal lanes/4GB cache/SmartCache) 12G SAS modular controller	804338-B21
HPE Smart array P408i-a SR Gen10 (8 Internal lanes/2GB cache) 12G SAS modular controller	804331-B21
HPE Smart array P408i-p SR Gen10 (8 Internal lanes/2GB cache) 12G SAS PCIe plug-in controller	830824-B21
HPE Smart array P408e-p SR Gen10 (8 External lanes/4GB cache) 12G SAS PCIe plug-in controller	804405-B21
Essential RAID controllers	
HPE Smart array E208i-p SR Gen10 (8 Internal lanes/no cache) 12G SAS PCIe plug-in controller	804394-B21
HPE Smart array E208e-p SR Gen10 (8 External lanes/no cache) 12G SAS PCIe plug-in controller	804398-B21
HPE Smart array E208i-a SR Gen10 (8 Internal lanes/no cache) 12G SAS modular controller	804326-B21
HPE Cable options	
HPE DL38X Gen10 plus rear serial cable kit	P14606-B21
HPE DL38X Gen10 plus 8NVMe CPU1/2 cable kit	P22829-B21
HPE DL38X Gen10 plus 8NVMe CPU1 cable kit	P22834-B21
HPE DL38X Gen10 plus 16NVMe CPU1/2 cable kit	P22835-B21
HPE DL38X Gen10 plus mini SAS 3 position cable	P14605-B21
HPE Disk-Based backup	
HPE RDX 1TB external disk backup system	B7B69B

Description	Option Part Number
HPE RDX external docking station	C8S07B
HPE RDX 2TB external disk backup system	E7X53B

NOTE:

1. This provides a physical connection from the chassis board and hood and detects any p hysical intrusion into the chassis, providing security during the entire supply chain process of shipping, receiving, distribution and operation.

Rail kits

Description	Option Part Number
HPE DL38X Gen10 plus 2U SFF easy install rail kit	P22018-B21
HPE DL38X Gen10 plus 2U LFF easy install rail kit	P22019-B21
HPE DL38X Gen10 plus 2U cable management arm for rail kit	P22020-B21
HPE DL38X Gen10 plus 2U LFF ball bearing rail kit	P22022-B21
HPE DL38X Gen10 plus 2U SFF ball bearing rail kit	P22021-B21

HPE USB and SD

Description	Option Part Number
HPE Enterprise mainstream flash media kits for memory cards	
HPE 8GB dual microSD flash USB drive	741279-B21
HPE 32GB microSD flash memory card	700139-B21

Description	Option Part Number
HPE 8GB microSD flash memory card	726116-B21
HPE 8GB microSD flash USB drive	737953-B21
HPE 32GB microSD RAID 1 USB boot drive	P21868-B21

HPE Support services

Description	Option Part Number
Installation and startup services	
HPE Install ProLiant DL38x(p) service	U4554E
HPE Installation and startup DL38x(p) service	U4555E
Proactive care	
HPE 3-year proactive care 24x7 ProLiant DL385 Gen10 service	HC2M2E
HPE 3-year proactive care 24x7 with DMR ProLiant DL385 Gen10 service	HC2M3E
HPE 3-year proactive care 24x7 with CDMR ProLiant DL385 Gen10 service	HC2M4E
HPE 3-year proactive care call-to-repair ProLiant DL385 Gen10 service	HC2N1E
HPE 3-year proactive care call-to-repair 24x7 with DMR ProLiant DL385 Gen10 service	HC2N2E
HPE 3-year proactive care call-to-repair with CDMR ProLiant DL385 Gen10 service	HC2N3E

OS Compatibility

Feature	Description
OS	• Windows Server 2016 • Windows Server 2019 • VMware ESXi 6.5 U3 • VMware ESXi 6.7 U3 • Red Hat Enterprise Linux (RHEL) • SUSE Linux Enterprise Server (SLES) 12 SP4 • SLES 15SP1

Software Compatibility

- Active health system
- Active health system viewer
- Smart update
- iLO amplifier pack
- HPE iLO mobile application
- RESTful interface tool
- Scripting tools
- HPE OneView standard
- HPE Systems Insight Manager (HPE SIM)

Usefull Links

Descriptions	Links
Advisories	**Click here to view the Advisories, Alerts, Bulletins & Notices of HPE ProLiant DX385 Gen10 Plus server.**
Drivers and Softwares	**Click here to view the Drivers and Softwares of HPE ProLiant DX385 Gen10 Plus server.**
Manuals	**Click here to view the Manuals, Guides, Release Notes, Troubleshooting Articles and other related documents of HPE ProLiant DX385 Gen10 Plus server.**