

HPE ProLiant DL380 Gen9 Server Data Sheet



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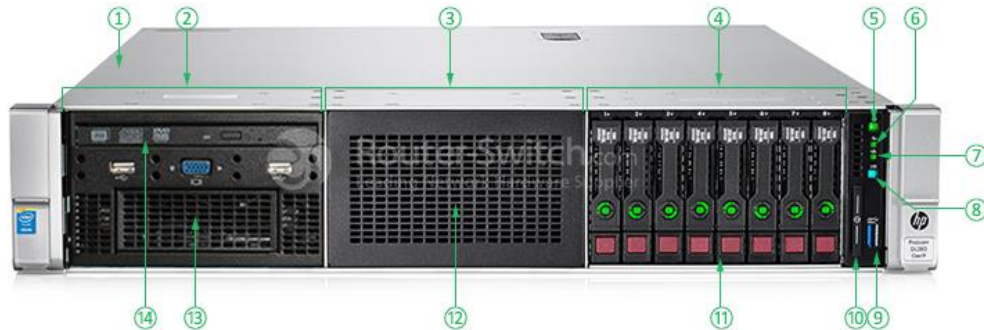
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Overview

The [HPE ProLiant DL380 Gen9 Server](#) delivers the best performance and expandability in the Hewlett Packard Enterprise 2P rack portfolio. Reliability, serviceability and near continuous availability, backed by a comprehensive warranty, make it ideal for any environment. Deploy the data center standard.

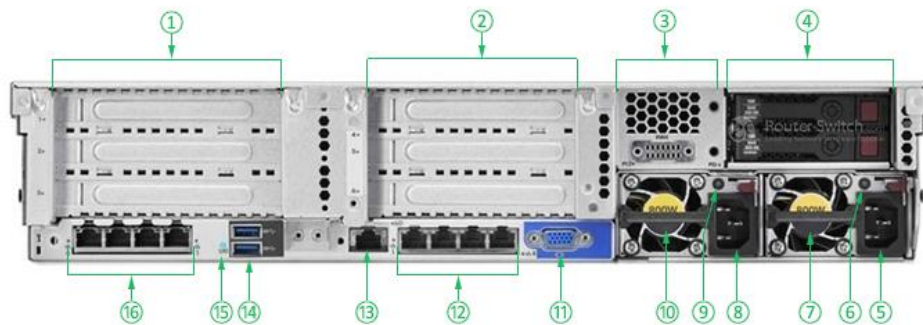
Front View - 8SFF Chassis with Optional Universal Media Bay shown



Note:

①	Quick removal access panel	⑧	UID button
②	Bay 1	⑨	USB 3.0
③	Bay 2	⑩	Serial label pull tag
④	Bay 3	⑪	8 SFF Drive Cage Bay
⑤	Power On/Standby button and system power LED button	⑫	Drive Bay 2. Blank shown, 8SFF or 6NVMe optional
⑥	Health LED	⑬	Optional 2 SFF HDD, blank shown. Requires Universal Media bay
⑦	NIC status	⑭	Optional Optical drive. Requires Universal Media bay

Rear View



Note:

①	PCI Slots (Slots 1-3 top to bottom, riser shipped standard)	⑨	Power supply Power LED
②	PCI Slots (Slots 4-6 top to bottom, requires second riser card, and second processor)	⑩	HPE Flexible Slot Power Supply bay 1 (800w shown)
③	Optional serial port	⑪	VGA connector
④	Optional rear 2 SFF HDD (supported in 24 SFF or 12 LFF front end)	⑫	Embedded 4x1GbE Network Adapter
⑤	Power supply Power connection	⑬	USB 3.0 connectors (2)
⑥	Power supply Power LED	⑭	Unit ID LED
⑦	HPE Flexible Slot Power Supply bay 2 (800w shown)	⑮	Optional FlexibleLOM ports (Shown: 4x1GbE)
⑧	Power supply Power connection		

What's New

- NVMe 1.6TB to 6.4TB MU & 1.92TB to 7.68TB RI SFF SCN DS SSDs
- SAS 12G 400GB to 6.4TB MU, 960GB to 7.68TB RI & 400GB to 3.2TB WI SFF SC DS SSDs
- SATA 6G 480GB to 1.92TB MU SFF SC DS SSDs

Standard Features

Processor

Up to two of the following depending on model

Model	CPU frequency	Cores	L3 Cache	Power	QPI	DDR4 Hz
E5-2699v3	2.3GHz	18	45MB	145W	9.6GT/s	2133
E5-2698v3	2.3GHz	16	40MB	135W	9.6GT/s	2133
E5-2697v3	2.6GHz	14	35MB	145W	9.6GT/s	2133
E5-2695v3	2.3GHz	14	35MB	120W	9.6GT/s	2133
E5-2690v3	2.6GHz	12	30MB	135W	9.6GT/s	2133
E5-2687Wv3	3.1GHz	10	25MB	160W	9.6GT/s	2133
E5-2683v3	2.0GHz	14	35MB	120W	9.6GT/s	2133
E5-2680v3	2.5GHz	12	30MB	120W	9.6GT/s	2133
E5-2670v3	2.3GHz	12	30MB	120W	9.6GT/s	2133
E5-2667v3	3.2GHz	8	20MB	135W	9.6GT/s	2133
E5-2660v3	2.6GHz	10	25MB	105W	9.6GT/s	2133
E5-2650v3	2.3GHz	10	25MB	105W	9.6GT/s	2133
E5-2650Lv3	1.8GHz	12	30MB	65W	9.6GT/s	2133
E5-2643v3	3.4GHz	6	20MB	135W	9.6GT/s	2133
E5-2640v3	2.6GHz	8	20MB	90W	8.0GT/s	1866
E5-2637v3	3.5GHz	4	15MB	135W	9.6GT/s	2133
E5-2630v3	2.4GHz	8	20MB	85W	8.0GT/s	1866

E5-2630Lv3	1.8GHz	8	20MB	55W	8.0GT/s	1866
E5-2623v3	3.0GHz	4	10MB	105W	8.0GT/s	1866
E5-2620v3	2.4GHz	6	15MB	85W	8.0GT/s	1866
E5-2609v3	1.9GHz	6	15MB	85W	6.4GT/s	1600
E5-2603v3	1.6GHz	6	15MB	85W	6.4GT/s	1600
E5-2699v4	2.2GHz	22	55MB	145W	9.6GT/s	2400
E5-2698v4	2.2GHz	20	50MB	135W	9.6GT/s	2400
E5-2697v4	2.3GHz	18	45MB	145W	9.6GT/s	2400
E5-2697Av4	2.6GHz	16	40MB	145W	9.6GT/s	2400
E5-2695v4	2.1GHz	18	45MB	120W	9.6GT/s	2400
E5-2690v4	2.6GHz	14	35MB	135W	9.6GT/s	2400
E5-2687Wv4	3.0GHz	12	30MB	160W	9.6GT/s	2400
E5-2683v4	2.1GHz	16	40MB	120W	9.6GT/s	2400
E5-2680v4	2.4GHz	14	35MB	120W	9.6GT/s	2400
E5-2667v4	3.2GHz	8	25MB	135W	9.6GT/s	2400
E5-2660v4	2.0GHz	14	35MB	105W	9.6GT/s	2400
E5-2650v4	2.2GHz	12	30MB	105W	9.6GT/s	2400
E5-2650Lv4	1.7GHz	14	35MB	65W	9.6GT/s	2400
E5-2643v4	3.4GHz	6	20MB	135W	9.6GT/s	2400
E5-2640v4	2.4GHz	10	25MB	90W	8.0GT/s	2133
E5-2637v4	3.5GHz	4	15MB	135W	9.6GT/s	2400
E5-2630v4	2.2GHz	10	25MB	85W	8.0GT/s	2133
E5-2630Lv4	1.8GHz	10	25MB	55W	8.0GT/s	2133
E5-2623v4	2.6GHz	4	10MB	85W	8.0GT/s	2133
E5-2620v4	2.1GHz	8	20MB	85W	8.0GT/s	2133
E5-2609v4	1.7GHz	8	20MB	85W	6.4GT/s	1866
E5-2603v4	1.7GHz	6	15MB	85W	6.4GT/s	1866
E5-2699Av4	2.4GHz	22	55MB	145W	9.6GT/s	2400

NOTE:

1. All processors above 120W use a high efficiency Heatsink. Doublewide PCIe cards are only supported with this Heatsink. For processors with a standard Heatsink that require double wide PCIe cards, the Graphics Enablement kit option is also required (719082-B21).
2. Mixing of E5-2600v3 and E5-2600v4 processors is not supported.
3. Field upgrade from E5-2600v3 to E5-2600v4 is supported.
4. All processors support Hyper-Threading except E5-2609 v4/v3 and E5-2603 v4/v3.

Chipset

- Intel® C610 Series Chipset
- Intel® E5-2600v3 Processor Family
- Intel® E5-2600v4 Processor Family

NOTE: For more information regarding Intel® chipsets, please see the following URL:
<http://www.intel.com/products/server/chipsets/>

On System Management Chipset

HPE iLO (Firmware HPE iLO4 2.0) 4GB NAND

Memory

One of the following depending on model

Type			
HPE SmartMemory			
DDR4 Registered (RDIMM), Load Reduced (LRDIMM) or Persistent Memory (NVDIMM)			
DIMM Available	Slots	24	(12 DIMM slots per processor, 4 channels per processor, 3 DIMMs per channel)
Maximum Capacity (LRDIMM)	Capacity	3TB	(24 x 128GB LRDIMM @2400MHz)
Maximum Capacity (RDIMM)	Capacity	768GB	(24 x 32GB RDIMM @2400MHz)
Maximum Capacity (NVDIMM)	Capacity	128GB	(16 x 8GB NVDIMM)
NVDIMM support only with the E5-2600v4 processors, and RDIMMs only			
Note mixing of 2133 and 2400MHz memory is not supported			
Note mixing of RDIMM and LRDIMM memory is not supported			
Note the 128GB LRDIMM may not be mixed with other DIMM capacities/types			

Memory Protection

Advanced ECC: Advanced ECC uses single device data correction to detect and correct single and all multibit error that occurs within a single DRAM chip.

Online Spare: Memory online spare mode detects a rank that is degrading and switches operation to the spare rank.

Expansion Slots

	Expansion Slots #	Technology	Bus Width	Connector Width	Bus Number	Form Factor	Notes
Primary Riser (Standard)	1	PCIe 3.0	X8	X16	7	Full-height, half-length slot	Proc 1
	2	PCIe 3.0	X8	X16	10	Full-height, half-length slot	Proc 1
	3	PCIe 3.0	X8	X8	13	Half length / full height	Proc 1
NOTE: Bus Width Indicates the number of physical electrical lanes running to the connector. NOTE: All slots support PCIe cards to 150W or more, but an additional Power Cable Kit is							

	<p>required.</p> <p>NOTE: Double wide PCIe cards are only supported in risers with the Processors leveraging the High Performance Heatsink. For Processors requiring double wide GPU support please order the GPU enablement kit (719082-B21).</p>						
Slot 2 PCIe Riser (Optional 3-slot) 719073-B21	Expansion Slots #	Technology	Bus Width	Connector Width	Bus Number	Form Factor	Notes
	4	PCIe 3.0	X16	X16	16	Full-height, full-length slot	Proc 2
	5	PCIe 3.0	X16	X16	20	Full-height, full-length slot	Proc 2
	6	PCIe 3.0	X8	X8	23	Full-height, half-length slot	Proc 2
<p>NOTE: Bus Width Indicates the number of physical electrical lanes running to the connector.</p> <p>NOTE: When populating the second optional riser slot, the second processor must be installed.</p> <p>NOTE: All slots support PCIe cards to 150W or more, but an additional Power Cable Kit is required.</p> <p>NOTE: Double wide PCIe cards are only supported in risers with the Processors leveraging the High Performance Heatsink. For Processors requiring double wide GPU support please order the GPU enablement kit (719082-B21).</p>							
Slot 1 PCIe Riser (Optional 2-slot) 719076-B21	Expansion Slots #	Technology	Bus Width	Connector Width	Bus Number	Form Factor	Notes
	2	PCIe 3.0	X16	X16	0x05	Full-height, full-length slot	Proc 1
	3	PCIe 3.0	X8	X8	0x08	Full-height, half-length slot	Proc 1
<p>NOTE: Bus Width Indicates the number of physical electrical lanes running to the connector.</p> <p>NOTE: This will replace the standard primary riser and supports double wide cards.</p>							

	<p>NOTE: All slots support PCIe cards to 150W or more, but an additional Power Cable Kit is required.</p> <p>NOTE: Double wide PCIe cards are only supported in risers with the Processors leveraging the High Performance Heatsink. For Processors requiring double wide GPU support please order the GPU enablement kit (719082-B21).</p>
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Storage Controller

One of the following depending on model

· Entry Models

HPE Dynamic Smart Array B140i Controller

NOTE: The embedded B140i controller will operate in UEFI only mode. For legacy support an additional controller will be needed, and for CTO orders please also select the Legacy mode settings part (758959-B22)

NOTE: The B140i defaults to AHCI off the chipset. Smart array needs to be enabled on the SATA only models if required.

NOTE: The B140i will not operate in Legacy mode.

· Base Models

HPE Dynamic Smart Array B140i Controller

HPE Flexible Smart Array P440ar/2G FIO Controller

HPE Flexible Smart Array P840/4G FIO Controller

HPE Smart Array P840ar/2G Controller

· Performance Models

HPE Dynamic Smart Array B140i Controller

HPE Flexible Smart Array P440ar/2GB

Internal Storage Devices

One of the following depending on model

· Optical Drive

Ships standard in Performance Models

Optional: DVD-ROM, DVD-RW

· Hard Drives

None ship standard

· Hard Drive Bays

8 SFF with optional Universal Media Bay, 8 SFF bay or 6 NVME drive options

24 SFF plus optional 2 SFF drives rear

12 LFF plus optional 3 LFF drives rear

NOTE: The 3 LFF rear drives will consume space for the secondary riser.

NOTE: The 12 LFF model also supports 2 SFF rear which allows for the second riser.

NOTE: The 6 NVMe drive option can only be leveraged in the SFF model and replaces Bay 2.

4 LFF drive bays total

NOTE: The Universal Media Bay (724865-B21) not available with the LFF model or the 24SFF model, and can only be populated in Bay1.

NOTE: The 8SFF can be upgraded with a drive cage to 16 or 24 SFF with field upgrades. For optimal upgrade Bay2 should be populated second, with Bay 3 the last to be populated for a field upgrade to 24 SFF.

NOTE: The 4LFF model cannot be upgraded to 12LFF in the field.

NOTE: All Pre-configured models come with an embedded 10-Port SATA controller. Optional HPE Flexible Smart

Array and Smart SAS HBA Controllers can be added.

Maximum Internal Storage

Category	Capacity	Configuration
Hot Plug SFF SAS	52.0TB	24+2 x 2TB (with optional rear SFF drive cage)
Hot Plug SFF SATA	52.0TB	24+2 x 2TB (with optional SFF drive cage)
Hot Plug LFF SAS	180.0TB	12+3 x 12TB (with optional rear LFF drive cage)
Hot Plug LFF SATA	180.0TB	12+3 x 12TB (with optional rear LFF drive cage)
Hot Plug SFF SAS SSD	397.8TB	24+2 x 15.3TB (with optional rear SFF drive cage)
Hot Plug SFF SATA SSD	199.68TB	24+2 x 7.68TB (with optional rear SFF drive cage)
Hot Plug LFF SATA SSD	57.6B	12+3 x 3.84TB (with optional rear LFF drive cage)
Hot Plug SFF NVMe PCIe SSD	46.08TB NVMe + 36TB SFF	6x7.68TB NVMe plus 36TB with 18 SFF (Bay 1, bay 3 and optional rear drive support)

Power Supply

- HPE 500W Flex Slot Platinum Hot Plug Power Supply

NOTE: Available in 94% efficiency.

- HPE 800W Flex Slot Platinum Hot Plug Power Supply

NOTE: Available in 94% and 96% efficiency.

NOTE: Also available in -48VDC and 227VAC/380VDC power inputs.

- HPE 1400W Flex Slot Platinum Plus Hot Plug Power Supply

NOTE: Available in 94% efficiency.

HPE Flexible Slot (Flex Slot) Power Supplies share a common electrical and physical design that allows for hot plug, tool-less installation into HPE ProLiant Gen9 Performance Servers. Flex Slot power supplies are certified for high-efficiency operation and offer multiple power output options, allowing users to "right-size" a power supply for specific server configurations. This flexibility helps to reduce power waste, lower overall energy costs, and avoid "trapped" power capacity in the data center.

All pre-configured servers ship with a standard 6-foot IEC C-13/C-14 jumper cord (A0K02A). This jumper cord is also included with each standard AC power supply option kit. If a different power cord is required, please check the ProLiant Power Cables web page.

System Fans

One of the following depending on model

	Non-redundant	Redundant
2P model	-	6 fans
NOTE: 1P models typically ship with 4 standard fans. The second processor option kit contains 2 additional fans.		
NOTE: The 12LFF and 24SFF models ship with 6 High Performance fans as standard.		
NOTE: High Performance Fan Kit is available to meet ambient temperature environments.		
NOTE: High Performance Fan Kit is required for Passive GPU support.		
NOTE: The 8SFF Bay1 kit (719067-B21) will ship with 6 High efficiency fans.		

Interfaces

Serial	Optional
Video	2 (1 front, optional via Universal Media Bay, 724865-B21), 1 back not active simultaneously
FlexibleLOM Network Ports	4 x 1Gb ports shipping standard with optional FlexibleLOM
HPE iLO Remote Management Network Port	1 Gb Dedicated
Micro SD Slot	1 Micro SD
NOTE: The Micro SD slot is not a hot-pluggable device. Customers should not attempt to plug an SD card into the SD slot while the server is powered.	
USB 3.0	Up to 5 totals: 1 front, 2 rear, 2 internal (secure), 2 optional USB 2.0 front via Universal Media Bay
SID (Systems Insight Display)	Optional
NOTE: Not shipping as standard. Available as a CTO option or as a field upgrade (768900-B21).	

Operating Systems and Virtualization Software Support for ProLiant Servers

- Microsoft Windows Server
- Canonical Ubuntu
- Red Hat Enterprise Linux (RHEL)
- SUSE Linux Enterprise Server (SLES)
- Oracle Solaris
- VMware
- Citrix XenServer
- ClearOS

NOTE: ClearOS allows you to build a fully functional server that is just right for you at no upfront cost. It is available via CTO preload, Intelligent Provisioning or via download.

Upgradeability

- Upgradeable to 2 processors (36 Cores)

NOTE: Processor upgrade available from Intel® Xeon® Processors E5-2600v3.

- Up to 24 DIMM slots available for higher Memory capacity

FlexibleLOM connector for 1 Gigabit or 10 Gigabit networking options

- HPE Flexible Smart Array or Smart HBA Controllers
- Embedded 10-Port SATA, B140i as standard
- Optional 3 slot riser (x16, x16, x8), or 2 slot primary riser (x16, x8)

NOTE: To take advantage of the additional 3 PCI slot upgrade, the second processor must be installed.

- Redundant Power Supply
- Optical Drive supported via Universal Media Bay

NOTE: The Universal Media bay provides front VGA and 2xUSB 2.0, plus ability to add 2SFF and Optical.

NOTE: Universal Media bay is only available with 8 or 8+8SFF chassis & can be populated in Bay1 only.

- HPE Legacy Mode (FIO only, 758959-B22)

NOTE: UEFI is the default mode for all SKUs. Can change default to legacy via CTO.

Industry Standard Compliance

- ACPI 2.0b Compliant
- PCIe 3.0 Compliant
- PXE Support

- WOL Support
- Microsoft® Logo certifications
- USB 3.0 Support
- USB 2.0 Support

NOTE: This support is on the optional Universal Media Bay.

- Energy Star
- ASHRAE A3/A4

NOTE: The DL380 Gen9 is now one of the first HPE ProLiant Gen9 Servers with Extended Ambient Support up to 45 C for data center infrastructures designed for better energy efficiency such as but not limited to fresh air cooling.

- UEFI (Unified Extensible Firmware Interface Forum)

NOTE: UEFI is the default for the DL380 Gen9. Legacy model can be selected in the field or as a CTO option (758959-B22).

Graphics

Integrated Matrox G200eH2 video standard with 16MB of Video RAM

- 1280 x 1024 (32 bpp)
- 1920 x 1200 (16 bpp)

HPE iLO 4 On System Management Memory

- 16 MB Flash
- 256 MB DDR3 with ECC (112 MB after ECC and video)

HPE Server UEFI/Legacy ROM

Unified Extensible Firmware Interface (UEFI) is an industry standard that provides better manageability and more secured configuration than the legacy ROM while interacting with your server at boot time. HPE ProLiant Gen9 platform defaults to UEFI and can be factory or field configured for Legacy BIOS Boot Mode.

NOTE: The UEFI System Utilities function is analogous to the HPE ROM-Based Setup Utility (RBSU) of legacy BIOS.

UEFI enables numerous new capabilities specific to HPE ProLiant servers such as:

- Secure Boot
- Operating system specific functionality
- Support for > 2.2 TB (using GPT) boot drives
- USB 3.0 Stack
- Embedded UEFI Shell
- Mass Configuration Deployment Tool using RESTful API for iLO 4
- PXE boot support for IPv6 networks
- Boot support for option cards that only support a UEFI option ROM
- Network Stack configurations

NOTE: For UEFI Boot Mode, boot environment and OS image installations should be configured properly to support UEFI.

NOTE: UEFI FIO Setting (758959-B22) can be selected to configure the system in Legacy mode in the factory for your HPE ProLiant Gen9 Server.

Form Factor

One of the following depending on model.

- 2U Rack form factor
- 8 SFF & 24SFF Drive Bay Version: 3.44 x 17.54 x 26.75 in (8.73 x 44.55 x 67.94 cm)

· 4 LFF & 12LFF Drive Bay Version: 3.44 x 17.54 x 28.75 in (8.73 x 44.55 x 73.02 cm)

NOTE: Dimensions without bezel.

Embedded Management

HPE Integrated Lights-Out (HPE iLO)	Monitor your servers for ongoing management, service alerting, reporting and remote management with HPE iLO.
UEFI	Configure and boot your servers securely with industry standard Unified Extensible Firmware Interface (UEFI).
RESTful API	RESTful API for iLO 4 is Redfish 1.0 conformance for simplified server management such as configuration and maintenance tasks based on modern industry standards.
Intelligent Provisioning	Hassle free server and OS provisioning for 1 or few servers with Intelligent Provisioning.
Embedded Remote Support	The Hewlett Packard Enterprise embedded remote support, when used with Insight Online direct connect or HPE Insight Remote Support, allows HPE ProLiant servers to transmit hardware events directly to Hewlett Packard Enterprise or a Hewlett Packard Enterprise Authorized Partner for automated phone home support.

Server utilities

Smart Update	Optimize firmware and driver updates with Smart Update solutions including Smart Update Manager (SUM) and Service Pack for ProLiant (SPP).
HPE Systems Insight Manager (HPE SIM)	HPE SIM allows you to monitor the health of your HPE ProLiant Servers and HPE Integrity Servers, and also provides you with basic support for non-HPE servers. HPE SIM also integrates with Smart Update Manager to provide quick and seamless firmware updates.
Scripting Tool Kit and Windows PowerShell	Provision 1 to many servers using your own scripts to discover and deploy them with Scripting Tool Kit (STK) for Windows and Linux or Scripting Tools for Windows PowerShell.
RESTful Interface Tool	RESTful Interface tool is a scripting tool to provision using RESTful API for iLO 4 to discover and deploy servers at scale.
HPE iLO Mobile Application	Enables the ability to access, deploy, and manage your server anytime from anywhere from select smartphones and mobile devices.
HPE Insight Online	HPE Insight Online, available at no additional cost as part of your Hewlett Packard Enterprise warranty or contractual support agreement with Hewlett Packard Enterprise, is a personalized dashboard for simplified tracking of IT operations and support information from anywhere, anytime.

Security

- Power-on password
- Serial interface control
- Administrator's password
- UEFI
- iLO 4 (Integrated Lights-Out 4) has 12 customizable user accounts and SSL encryption

- Integrated Lights-Out can be disabled via a Global Setting
- iLO Advanced supports directory services integration
- TPM 1.2

Pre-configured Models

No.1	Entry Model	Base Models		
[SKU Number]	826681-B21	826682-B21	826683-B21	848774-B21
Model Name	HPE ProLiant DL380 Gen9 E5-2609v4 1P 8GB-R B140i 8SFF 500W PS Entry SATA Server	HPE ProLiant DL380 Gen9 E5-2620v4 1P 16GB-R P440ar 8SFF 500W PS Base Server	HPE ProLiant DL380 Gen9 E5-2620v4 1P 16GB-R P440ar 12LFF 2x800W PS Base Server	HPE ProLiant DL380 Gen9 E5-2630v4 1P 16GB-R P440ar 8SFF 500W PS Base Server
Processor	Intel® Xeon® E5-2609v4	Intel® Xeon® E5-2620v4		Intel® Xeon® E5-2630v4
Number of Processors	One			
Memory	8GB (1x8GB Registered DIMMs, 2400 MHz) NOTE: With the E5-2609v4 this memory DIMM will only operate at 1866MHz.	16GB (1x16GB Registered DIMMs, 2400 MHz) NOTE: With the E5-2620v4 this memory DIMM will only operate at 2133MHz.	16GB (1x16GB Registered DIMMs, 2400 MHz) NOTE: With the E5-2630v4 this memory DIMM will only operate at 2133MHz.	
Network Controller	HPE Embedded 1Gb Ethernet 4-port 331i Adapter, plus optional HPE FlexibleLOM or stand up card			
Storage Controller	HPE Dynamic Smart Array B140i, plus optional HPE Flexible Smart Array or Smart HBA controller NOTE: Default is AHCI off chipset, Smart Array needs to be enabled on SATA model.	HPE Flexible Smart Array P440ar/2GB	HPE Flexible Smart Array P840ar/2G Controller	HPE Flexible Smart Array P440ar/2GB

Hard Drive	None ship standard	None ship standard		
Internal Storage	8 SFF HDD Bays (upgradable to 24)	8 SFF HDD Bays (upgradable to 24)	12 LFF HDD Bays	8 SFF HDD Bays (upgradable to 24)
Optical Drive Bay	Optional Universal Media Bay (724865-B21)	Optional Universal Media Bay (724865-B21)	Not Available	Optional Universal Media Bay (724865-B21)
Optical Drive	Optional DVD-ROM (726536-B21) or DVD-RW (726537-B21) via the Universal Media Bay (724865-B21)	Optional DVD-ROM (726536-B21) or DVD-RW (726537-B21) via the Universal Media Bay (724865-B21)	Optional via HPE Mobile USB DVDRW Drive (701498-B21)	Optional DVD-ROM (726536-B21) or DVD-RW (726537-B21) via the Universal Media Bay (724865-B21)
PCI-Express Slots	3 PCIe slots (+3 PCI slots available with upgrade option, second processor required)			
Power Supply	(1) HPE 500W Flex Slot Platinum Power Supply	(1) HPE 500W Flex Slot Platinum Power Supply	(2) HPE 800W Flex Slot Platinum Power Supply	(1) HPE 500W Flex Slot Platinum Power Supply
Fans	4 hot plug fans, redundant	4 hot plug fans, redundant	6 hot plug high performance fans, redundant	4 hot plug fans, redundant
Management	iLO Management (standard), Intelligent Provisioning (standard), iLO Advanced (optional), Insight Control (optional), HPE OneView (optional)			
Form Factor	Rack (2U), HPE Easy Install Rails	Rack (2U), HPE Easy Install Rails with CMA		
Warranty	3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response			

No.2	Performance Models	
[SKU Number]	826684-B21	852432-B21
Model Name	HPE ProLiant DL380 Gen9 E5-2650v4 2P 32GB-R P440ar 8SFF 2x10Gb 2x800W Perf Server	HPE ProLiant DL380 Gen9 E5-2660v4 2P 64GB-R P440ar 8SFF 2x10Gb 2x800W Perf Server
Processor	Intel® Xeon® E5-2650v4	Intel® Xeon® E5-2660v4
Number of Processors	Two	

Memory	32GB (2x16GB Registered DIMMs, 2400 MHz)	64GB (4x16GB Registered DIMMs, 2400 MHz)
Network Controller	HPE Embedded 4x1Gb, plus 2x10Gb-T FlexibleLOM	HPE Embedded 4x1Gb, plus 2x10Gb SFP+ FlexibleLOM
Storage Controller	HPE Flexible Smart Array P440ar/2GB	
Hard Drive	None ship standard	
Internal Storage	8 SFF HDD Bays (upgradable to 24)	
Optical Drive Bay	Universal Media Bay (724865-B21)	
Optical Drive	HPE Half-Height SATA DVD-RW Optical Drive	
PCI-Express Slots	6 PCIe 3.0 slots	
Power Supply	(2) HPE 800W Flex Slot Platinum Power Supply	
Fans	6 hot plug fans, redundant	
Management	iLO Management (standard), Intelligent Provisioning (standard), iLO Advanced (standard), HPE OneView (optional)	
Energy Star	Meets Energy Star requirements	
Form Factor	Rack (2U), HPE Easy Install Rails with CMA	
Warranty	3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response	

NOTE: UEFI is the standard default for all Predefined models.

Configuration Information - Factory Integrated Models

This section lists some of the steps required to configure a Factory Integrated Model. To ensure only valid configurations are ordered, Hewlett Packard Enterprise recommends the use of an HPE approved configurator. [Contact Us](#) for information on configurable product offerings and requirements.

1. Factory Integrated Models must start with a CTO Server.
2. FIO indicates that this option is only available as a factory installable option.
3. All Factory Integrated Models will be populated with sufficient hard drive blanks based on the number of initial hard drives ordered with the server.
4. Some options may not be integrated at the factory. Contact your local sales representative for additional information.

Step 1: Base Configuration (choose one of the following configurable models)

TO Server	HPE ProLiant DL380 Gen9 8SFF Configure-to-order Server	HPE ProLiant DL380 Gen9 NVMe 6 Solid State Drive Express Bay Configure-to-order Server	HPE ProLiant DL380 Gen9 24SFF Configure-to-order Server	HPE ProLiant DL380 Gen9 4LFF Configure-to-order Server	HPE ProLiant DL380 Gen9 12LFF Configure-to-order Server
SKU Number	719064-B21	810393-B21	767032-B21	767033-B21	719061-B21
Processor	2 (optional) x HPE Smart Socket Guide				
DIMM Slots	24 DIMM slots for RDIMM, LRDIMM DDR4 Memory				
Storage Controller	HPE Dynamic Smart Array B140i, plus optional HPE Flexible Smart Array or Smart HBA controller				
PCIe	3 PCIe slots (+3 PCI slots available with upgrade option, second processor required)				
Drive Cage	8SFF Hot Plug (+8SFF and Universal Media Bay Optional)	8SFF +6NVMe Hot Plug (+8SFF or Universal Media Bay Optional)	24SFF Hot Plug	4LFF Hot Plug	12LFF Hot Plug
Network Controller	HPE Embedded 1Gb Ethernet 4-port 331i Adapter, plus optional HPE FlexibleLOM or stand up card	HPE Embedded 1Gb Ethernet 4-port 331i Adapter	HPE Embedded 1Gb Ethernet 4-port 331i Adapter, plus optional HPE FlexibleLOM or stand up card		
Fans	4 hot plug fans, redundant	6 hot plug high performance fans, redundant		4 hot plug fans, redundant	6 hot plug high performance fans, redundant
Management	iLO Management (standard), Intelligent Provisioning (standard)				
USB	1 front, 2 internal, 2 rear	1 front, 1 internal, 2 rear	1 front, 2 internal, 2 rear	No front USB support	
Ears	HPE Quick Release Ears				

NOTE: With the NVMe CTO Server (810393-B21) there are limitations on GPU support.

NOTE: The NVMe CTO Server (810393-B21) ships with the standard x8 Risers supporting 6xNVMe drives.

Step 2: Choose Required Options (only one of the following from each list unless otherwise noted)

HPE Processors	E5-2600v4 series Processors				
	HP DL380 Gen9	Intel® Xeon®	E5-2650Lv4	(1.7GHz/14-	817941-L21

core/35MB/65W) FIO Processor Kit	
HP DL380 Gen9 Intel® Xeon® E5-2630Lv3 (1.8GHz/10-core/25MB/55W) FIO Processor Kit	817931-L21
HPE DL380 Gen9 Intel® Xeon® E5-2643v4 (3.4GHz/6-core/20MB/135W) FIO Processor Kit NOTE: Ships with a High Performance Heatsink.	817939-L21
HPE DL380 Gen9 Intel® Xeon® E5-2637v4 (3.5GHz/4-core/15MB/135W) FIO Processor Kit NOTE: Ships with a High Performance Heatsink.	817935-L21
HP DL380 Gen9 Intel® Xeon® E5-2623v4 (2.6GHz/4-core/10MB/85W) FIO Processor Kit	817929-L21
HP DL380 Gen9 Intel® Xeon® E5-2620v4 (2.1GHz/8-core/20MB/85W) FIO Processor Kit	817927-L21
HP DL380 Gen9 Intel® Xeon® E5-2609v4 (1.7GHz/8-core/20MB/85W) FIO Processor Kit	817925-L21
HP DL380 Gen9 Intel® Xeon® E5-2603v4 (1.7GHz/6-core/15MB/85W) FIO Processor Kit	817923-L21
HPE DL380 Gen9 Intel® Xeon® E5-2687Wv4 (3.0GHz/12-core/30MB/160W) FIO Processor Kit NOTE: Ships with a High Performance Heatsink. NOTE: This processor is not supported in a 12LFF or 24LFF CTO Server + Rear drive.	817957-L21
HPE DL380 Gen9 Intel® Xeon® E5-2699v4 (2.2GHz/22-core/55MB/145W) FIO Processor Kit NOTE: Ships with a High Performance Heatsink.	817967-L21
HPE DL380 Gen9 Intel® Xeon® E5-2698v4 (2.2GHz/20-core/50MB/135W) FIO Processor Kit NOTE: Ships with a High Performance Heatsink.	817965-L21
HPE DL380 Gen9 Intel® Xeon® E5-2697v4 (2.3GHz/18-core/45MB/145W) FIO Processor Kit NOTE: Ships with a High Performance Heatsink.	817963-L21
HPE DL380 Gen9 Intel® Xeon® E5-2697Av4 (2.6GHz/16-core/40MB/145W) FIO Processor Kit NOTE: Ships with a High Performance Heatsink.	817955-L21
HPE DL380 Gen9 Intel® Xeon® E5-2695v4 (2.1GHz/18-core/45MB/120W) FIO Processor Kit NOTE: Ships with a High Performance Heatsink.	817961-L21
HPE DL380 Gen9 Intel® Xeon® E5-2690v4 (2.6GHz/14-core/35MB/135W) FIO Processor Kit NOTE: Ships with a High Performance Heatsink.	817959-L21
HPE DL380 Gen9 Intel® Xeon® E5-2683v4 (2.1GHz/16-core/40MB/120W) FIO Processor Kit	817953-L21

	NOTE: Ships with a High Performance Heatsink.	
	HPE DL380 Gen9 Intel® Xeon® E5-2680v4 (2.4GHz/14-core/35MB/120W) FIO Processor Kit	817951-L21
	NOTE: Ships with a High Performance Heatsink.	
	HPE DL380 Gen9 Intel® Xeon® E5-2660v4 (2.0GHz/14-core/35MB/105W) FIO Processor Kit	817945-L21
	HPE DL380 Gen9 Intel® Xeon® E5-2650v4 (2.2GHz/12-core/30MB/105W) FIO Processor Kit	817943-L21
	HPE DL380 Gen9 Intel® Xeon® E5-2640v4 (2.4GHz/10-core/25MB/90W) FIO Processor Kit	817937-L21
	HPE DL380 Gen9 Intel® Xeon® E5-2667v4 (3.2GHz/8-core/25MB/135W) FIO Processor Kit	817947-L21
	NOTE: Ships with a High Performance Heatsink.	
	HPE DL380 Gen9 Intel® Xeon® E5-2630v4 (2.2GHz/10-core/25MB/85W) FIO Processor Kit	817933-L21
	NOTE: If two processors are desired, select one xxxxx-L21 and one corresponding xxxxx-B21.	
	NOTE: Up to two processors supported. Mixing different processor models is not supported.	
	NOTE: DDR4 speed is the maximum memory speed of the processor. Actual memory speed may depend on the quantity and type of DIMMs installed.	
	NOTE: v4 Processor requires PC4-2400T Memory Kits.	
	NOTE: For the Intel® C600 Chipset E5-2600 Series, the letter preceding the model number indicates the Product Line (E3, E5, E7); 2600x v#, 2 = number of CPUs in a Node, 6 is socket/segment designation, 00 = Processor SKU, x = L for low power SKUs and v# (not yet designated) = version number.	
HPE Memory	NOTE: Select one or more memory from below	
	NOTE: LRDIMM and RDIMM are all distinct memory technologies and cannot be mixed within a server. The majority of ProLiant Gen9 servers support LRDIMM and RDIMM.	
	NOTE: HPE memory from previous generation servers are not qualified or warranted with this HPE ProLiant server. HP Smart Memory is required to realize the memory performance improvements and enhanced functionality listed in this document for Gen9	
	NOTE: If only one processor is installed only half of the total DIMM slots are available. When populating with two processors all DIMM slots are available.	
	NOTE: Kits described as LP include Low Power DIMMs.	
	NOTE: Depending on the memory configuration and processor model, the memory speed may run at 2400MHz, 2133MHz, 1866MHz, 1600MHz, or 1333MHz.	
	Registered DIMMs (RDIMMs) for E5-2600v4 Series	
	HP 8GB (1x8GB) Single Rank x8 DDR4-2400 CAS-17-17-17 Registered Memory Kit	805347-B21
	HP 16GB (1x16GB) Single Rank x4 DDR4-2400 CAS-17-17-17 Registered Memory Kit	805349-B21
	HP 16GB (1x16GB) Dual Rank x4 DDR4-2400 CAS-17-17-17 Registered Memory Kit	836220-B21

	HP 32GB (1x32GB) Dual Rank x4 DDR4-2400 CAS-17-17-17 Registered Memory Kit	805351-B21
	Load Reduced DIMMs (LRDIMMs) for E5-2600v4 Series	
	HP 32GB (1x32GB) Dual Rank x4 DDR4-2400 CAS-17-17-17 Load Reduced Memory Kit	805353-B21
	HP 64GB (1x64GB) Quad Rank x4 DDR4-2400 CAS-17-17-17 Load Reduced Memory Kit	805358-B21
	HPE 128GB (1x128GB) Octal Rank x4 DDR4-2400 CAS-20-18-18 Load Reduced Memory Kit	809208-B21
	HPE Persistent Memory (NVDIMM)	
	NOTE: The following memory is supported by the E5-2600v4 series Processor only.	
	HPE 8GB NVDIMM Single Rank x4 DDR4-2133 Module NOTE: NVDIMMs are only supported with E5-2600v4 processors, excluding field upgrades from E5-2600v3 to E5-2600v4. NOTE: A maximum of 16 NVDIMMs supported. NOTE: Can only be mixed with RDIMMs. NOTE: Depending on Processor selected this memory will run at 2133MHz maximum.	782692-B21
HPE Power Supplies	NOTE: Mixing of power supplies in the same server is not supported. All power supplies must be of the same input voltage, output rating, and efficiency rating. If non-matching power supplies are installed, you may receive an error message and/or experience operational issues with your server.	
	NOTE: Prior to selecting a power supply option, it is highly recommended that you review your server configuration in the HPE Power Advisor tool to determine the right size power supply for your server configuration.	
	HPE Flex Slot Platinum Hot-Plug Power Supplies	
	HP 500W Flex Slot Platinum Hot Plug Power Supply Kit	720478-B21
	HP 800W Flex Slot Platinum Hot Plug Power Supply Kit	720479-B21
	HP 800W Flex Slot Titanium Hot Plug Power Supply Kit NOTE: Flex Slot Titanium power supplies support power efficiency of up to 96% and include a standard C-14 power inlet connector.	720482-B21
	HP 800W Flex Slot Universal Hot Plug Power Supply Kit NOTE: Flex Slot universal power supplies support power efficiency of up to 94% and support both 277VAC/380VDC power inputs.	720484-B21
	HP 800W Flex Slot -48VDC Hot Plug Power Supply Kit NOTE: Flex Slot -48VDC power supplies support power efficiency of up to 94%.	720480-B21
	HP 1400W Flex Slot Platinum Plus Hot Plug Power Supply Kit	720620-B21
	HP 750W Flex Slot Hot Plug Battery Backup Module NOTE: Flex Slot Battery Backup provides 750W output and 500W in paralleled configuration. NOTE: Only 1 Battery Backup module per server, and a Flex Slot Power	738024-B21

Supply needed in parallel.	
NOTE: The above power supply options are all 80Plus Platinum-certified with an efficiency rating of up to 94%. Support for HPE Power Discovery Services is included with the 1400W Flex Slot option.	

Step 3: Choose Additional Factory Integratable Options (only one of the following from each list unless otherwise noted)

HPE Storage Controllers	NOTE: The embedded B140i controller will be used as the primary controller if no controller is selected from the list below. Embedded SATA controller can support up to 8 SATA hard drives. Cable Kit may be required.	
	HPE Flexible Smart Array Controllers	
	HP Smart Array P440ar/2GB FBWC 12Gb 2-ports Int FIO SAS Controller NOTE: Provides support for up to 8 internal SAS/SATA drives without using a PCIe slot. NOTE: Includes the HP Smart Storage Battery.	749974-B21
	HPE Smart Array Controllers	
	HP Smart Array P440/4GB FBWC 12Gb 1-port Int FIO SAS Controller NOTE: Provides support for up to 8 internal SAS/SATA drives without using a PCIe slot. NOTE: Includes the HP Smart Storage Battery.	761872-B21
	HP Smart Array P840/4GB FBWC 12Gb 2-ports Int FIO SAS Controller NOTE: Includes the HP Smart Storage Battery.	761874-B21
	HPE Smart Host Bus Adapters	
	HP H240ar 12Gb 2-ports Int FIO Smart Host Bus Adapter NOTE: Provides support for up to 8 internal SAS/SATA drives without using a PCIe slot.	749976-B21
	HPE Cable Options	
	HP DL380 Gen9 12LFF Rear 2SFF or 3LFF P840/440 SAS Cable Kit	783007-B21
	HP DL380 Gen9 2SFF Front SAS x4 Cable Kit NOTE: Required for front mount 2SFF to H240/P440ar, H240 or embedded B140i SATA controller.	783008-B21
	HP DL380 Gen9 8SFF SAS Cable Kit NOTE: Required for 8/16/24 SFF models for use with P840/440 controllers.	783009-B21
	HP DL380 Gen9 2SFF x8 Front Cable Kit NOTE: Required for front/rear mount 2SFF to P440/840 PCIe controller.	785989-B21
	HP DL380 Gen9 12LFF SAS Cable Kit NOTE: Required for 12LFF models with P440/840 PCIe controllers.	785991-B21
	HP DL380 Gen9 8SFF H240 Cable Kit NOTE: Required for 8/16/24 SFF models for use with H240/P440ar,	786092-B21

	H240 PCIe or embedded B140i SATA controller.	
	HP DL380 Gen9 12LFF H240 SAS Cable Kit NOTE: Required for 12LFF models with H240/P440ar, H240 or embedded B140i SATA controller.	786215-B21
BIOS Mode	HP Legacy FIO Mode Setting NOTE: If selected, then B140i will not be supported and can no longer be a primary controller, therefore SAS internal controller must be selected to be the primary controller.	758959-B22
Controller State	HP FIO Enable B140i Setting NOTE: Must be selected when B140i is used as primary controller and RAID is desired.	784308-B21
	HP Mfg FIO Enable HBA Mode Setting NOTE: When selected if H240ar/H240 are used as the primary controller then RAID is not allowed.	792962-B21
HPE Unique Options	HP 2SFF Front SPEC Perf FIO Mount NOTE: May only be selected with 8SFF CTO Server and optical media cage kit and 2SFF Drive cage option. When this option is selected, a primary controller is not required for the 8SFF CTO Server.	787945-B21
HPE Insight Software	HP Insight Control including 1yr 24x7 Support ProLiant ML/DL/BL-bundle Single Server FIO License	C6N36A
HPE Converged Infrastructure Management Software	HPE OneView Advanced (with iLO Advanced)	
	HP OneView for ProLiant DL Server incl 3 yr 24x7 Supp FIO Bundle Physical 1 Svr Lic	E5Y43A
	HPE OneView Advanced (without HPE iLO Advanced)	
	HP OneView w/o iLO including 3yr 24x7 Support FIO 1 Server LTU	P8B31A

Step 4: Choose Additional Options for Factory Integration from Core and Additional Options sections below

Core Options

NOTE: Some options may not be integrated at the factory. To ensure only valid configurations are ordered, Hewlett Packard Enterprise recommends the use of an HPE approved configurator. [Contact Us](#) for additional information.

HPE Unique Options	HPE DL380 Gen9 NVMe 6 Solid State Drive Express Bay Enablement Kit	774741-B21
	NOTE: This option provides support for up to 6NVMe drives, and can only be populated in BAY2 in SFF chassis only, can be used with Bay1 and Bay 3 populated. NOTE: The HPE DL380 Gen9 High Performance Fan Kit is required for NVMe support (719079-B21).	

<p>NOTE: The PCIe card in this enablement kit can only be populated in slot2 (primary) or slot 5 (secondary).</p> <p>NOTE: For true x16 support with this option a secondary riser (719073-B21) is needed (second processor required).</p> <p>NOTE: Kit includes Mylar film for Universal Media Bay (724865-B21) support to ensure optimal airflow.</p> <p>NOTE: For NVME CTO support, please use the NVME CTO Server (810393-B21), this kit is for field upgrades only.</p> <p>NOTE: There are limitations on GPU support with the NVMe bay installed.</p>	
HPE DL380 Gen9 Universal Media Bay Kit	724865-B21
<p>NOTE: The HPE DL380 Gen9 Universal Media bay provides front VGA and 2xUSB 2.0; plus support for 2xSFF front drives (724864-B21) and ODD support (No included); and can only be located in Bay1 in either an 8SFF or 8+8SFF model.</p>	
HPE DL380 Gen9 Graphics Enablement Kit	719082-B21
<p>NOTE: This kit includes alternative 2 heatsinks plus6 cables to enable GPU support. Other limitations apply, see Graphic section for more details.</p> <p>NOTE: We support up to 2 Double wide and 3 single wide Graphics cards, limitations apply.</p> <p>NOTE: Double Wide GPUs will occupy slots 2 and 5 and will leave only 2 slots left open.</p> <p>NOTE: There are limitations on GPU support with the NVMe bay installed.</p>	
HPE DL380 Gen9 High Performance Fan Kit	719079-B21
<p>NOTE: This kit is required for specific Ambient temperature environments.</p> <p>NOTE: This kit is also required to support Passive GPUs.</p> <p>NOTE: This kit provides max cooling for your Server.</p>	
HPE DL380 Gen9 2SFF Front/Rear SAS/SATA Kit	724864-B21
<p>NOTE: For 2SFF front the Universal Media Bay (724865-B21) is required.</p> <p>NOTE: 2SFF in the rear is only supported with a 24SFF model or 12LFF (719061-B21) CTO Server.</p> <p>NOTE: Rear drives will not support higher than 160W CPUs and other special/unique CPUs.</p>	
HPE DL380 Gen9 3LFF Rear SAS/SATA Kit	768856-B21
<p>NOTE: This is only supported in the 12LFF model.</p>	

	NOTE: 3LFF rear drives will consume the 2nd riser expansion slot.	
	NOTE: Rear drives will not support higher than 160W CPUs and other special/unique CPUs.	
	HPE DL380 Gen9 Primary 2 Slot GPU Ready Riser Kit	719076-B21
	Slot1: 1x Gen3 x16 FH/FL, 1xGen3 x8 FH/HL.	
	NOTE: This replaces the standard Primary riser in slot1.	
	HPE DL380 Gen9 Secondary 3 Slot GPU Ready Riser Kit	719073-B21
	Slot2: 2xGen3 x16 FH/FL, 1xGen3 x8 FH/HL.	
	HPE DL380 Gen9 8SFF Bay1 Cage/Backplane Kit	719067-B21
	NOTE: To add an additional 8SFF drive cage in Bay1.	
	NOTE: To get to 16SFF total please populate bay 2 with 768857-B21 (from an 8SFF starting point).	
	NOTE: This ships with 6 High Efficiency Fans.	
	NOTE: Selecting this option does not allow you to select the Universal Media Bay.	
	HPE DL380 Gen9 Additional 8SFF Bay2 Cage/Backplane Kit	768857-B21
	NOTE: To add an additional 8SFF drive cage in Bay 2. This is the optimal solution to upgrade to 16SFF total and allows the flexibility to add the Universal Media Bay (724865-B21) for 2 additional SFF or Optical.	
	HPE DL380 Gen9 Systems Insight Display Kit	768900-B21
	NOTE: The Systems Insight Display no longer ships as standard but is available as a Factory Integrated or field upgrade option.	
	HPE DL380 Gen9 Rear Serial Port and Enablement Kit	768896-B21
	HPE DL380 Gen9 P440ar/H240ar Riser 2 SAS Expander Kit	844115-B21
	NOTE: Cable kit required to support the SAS Expander (727250-B21) in the secondary riser (719073-B21) with the P840ar or P440ar.	
	HPE 12Gb SAS Expander Card with Cables for DL380 Gen9	727250-B21
	NOTE: SAS expander to enable 24SFF field upgrade.	
	NOTE: Primary population in slot2 or 3 of the Primary Riser.	
HPE Processors	E5-2600v4 series Processors	
	HPE DL380 Gen9 Intel Xeon E5-2643v4 (3.4GHz/6-core/20MB/135W) Processor Kit	817939-B21
	NOTE: Ships with a High Performance Heatsink.	
	HPE DL380 Gen9 Intel Xeon E5-2620v4 (2.1GHz/8-core/20MB/85W) Processor Kit	817927-B21
	HPE DL380 Gen9 Intel Xeon E5-2690v4 (2.6GHz/14-core/35MB/135W) Processor Kit	817959-B21

NOTE: Ships with a High Performance Heatsink.	
HPE DL380 Gen9 Intel Xeon E5-2680v4 (2.4GHz/14-core/35MB/120W) Processor Kit	817951-B21
NOTE: Ships with a High Performance Heatsink.	
HPE DL380 Gen9 Intel Xeon E5-2660v4 (2.0GHz/14-core/35MB/105W) Processor Kit	817945-B21
HPE DL380 Gen9 Intel Xeon E5-2650v4 (2.2GHz/12-core/30MB/105W) Processor Kit	817943-B21
HPE DL380 Gen9 Intel Xeon E5-2640v4 (2.4GHz/10-core/25MB/90W) Processor Kit	817937-B21
HPE DL380 Gen9 Intel Xeon E5-2667v4 (3.2GHz/8-core/25MB/135W) Processor Kit	817947-B21
NOTE: Ships with a High Performance Heatsink.	
HPE DL380 Gen9 Intel Xeon E5-2630v4 (2.2GHz/10-core/25MB/85W) Processor Kit	817933-B21
HPE DL380 Gen9 Intel Xeon E5-2650Lv4 (1.7GHz/14-core/35MB/65W) Processor Kit	817941-B21
HPE DL380 Gen9 Intel Xeon E5-2630Lv4 (1.8GHz/10-core/25MB/55W) Processor Kit	817931-B21
HPE DL380 Gen9 Intel Xeon E5-2609v4 (1.7GHz/8-core/20MB/85W) Processor Kit	817925-B21
NOTE: This processor does not support Hyper-Threading.	
HPE DL380 Gen9 Intel Xeon E5-2603v4 (1.7GHz/6-core/15MB/85W) Processor Kit	817923-B21
NOTE: This processor does not support Hyper-Threading.	
HPE DL380 Gen9 Intel Xeon E5-2637v4 (3.5GHz/4-core/15MB/135W) Processor Kit	817935-B21
NOTE: Ships with a High Performance Heatsink.	
HPE DL380 Gen9 Intel Xeon E5-2623v4 (2.6GHz/4-core/10MB/85W) Processor Kit	817929-B21
HPE DL380 Gen9 Intel Xeon E5-2687Wv4 (3.0GHz/12-core/30MB/160W) Processor Kit	817957-B21
NOTE: Ships with a High Performance Heatsink.	
HPE DL380 Gen9 Intel Xeon E5-2699v4 (2.2GHz/22-core/55MB/145W) Processor Kit	817967-B21
NOTE: Ships with a High Performance Heatsink.	
HPE DL380 Gen9 Intel Xeon E5-2698v4 (2.2GHz/20-core/50MB/135W) Processor Kit	817965-B21
NOTE: Ships with a High Performance Heatsink.	

	HPE DL380 Gen9 Intel Xeon E5-2697v4 (2.3GHz/18-core/45MB/145W) Processor Kit	817963-B21
	NOTE: Ships with a High Performance Heatsink.	
	HPE DL380 Gen9 Intel Xeon E5-2697Av4 (2.6GHz/16-core/40MB/145W) Processor Kit	817955-B21
	NOTE: Ships with a High Performance Heatsink.	
	HPE DL380 Gen9 Intel Xeon E5-2683v4 (2.1GHz/16-core/40MB/120W) Processor Kit	817953-B21
	NOTE: Ships with a High Performance Heatsink.	
	HPE DL380 Gen9 Intel Xeon E5-2699Av4 (2.4GHz/22-core/55MB/145W) Processor Kit	871026-B21
	HPE DL380 Gen9 Intel Xeon E5-2690v3 (2.6GHz/12-core/30MB/135W) Processor Kit	719044-B21
	NOTE: Ships with a High Performance Heatsink.	
	NOTE: Up to 2 processors supported. Performance and Energy Star Model configurations include two processors.	
	NOTE: HT indicates that the processor model supports Intel® Hyper-Threading Technology.	
	NOTE: Turbo2: Intel® Turbo Boost Technology 2.0 provides more computing power when you need it with performance that adapts to spikes in your workload and delivers more performance upside than then previous generation turbo technology.	
	NOTE: DDR4 speed is the maximum memory speed of the processor. Actual memory speed may depend on the quantity and type of DIMMs installed.	
	NOTE: The xxxxxx-B21 is the 2nd processor and ships with 2 additional FANs for factory of field installation.	
	NOTE: Double wide PCIe cards are only supported in risers with the Processors leveraging the High Performance Heatsink. For Processors requiring double wide GPU support please order the GPU enablement kit (719082-B21).	
	NOTE: Mixing of E5-2600v3 and E5-2600v4 Processors is not supported.	
	NOTE: Field upgrade from E5-2600v3 to E5-2600v4 is supported.	
HPE Memory	Registered DIMMs (RDIMMs) for E5-2600v3 Series	
	NOTE: The following memory is supported by the E5-2600v3 series Processors.	
	HPE 32GB (1x32GB) Dual Rank x4 DDR4-2133 CAS-15-15-15 Registered Memory Kit	728629-B21
	HPE 8GB (1x8GB) Single Rank x4 DDR4-2133 CAS-15-15-15 Registered Memory Kit	726718-B21
	HPE 16GB (1x16GB) Dual Rank x4 DDR4-2133 CAS-15-15-15 Registered Memory Kit	726719-B21

NOTE: Depending on Processor selected this memory will run at 1600, 1866 or 2133MHz.	
NOTE: Mixing of DIMM types is not supported.	
NOTE: Mixing of 2133 and 2400MHz DIMMs is not supported.	
Load Reduced DIMMs (LRDIMMs) for E5-2600v3 Series	
NOTE: The following memory is supported by the E5-2600v3 series Processors.	
HPE 64GB (1x64GB) Quad Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit	726724-B21
NOTE: Depending on Processor selected this memory will run at 1600, 1866 or 2133MHz.	
NOTE: Mixing of DIMM types is not supported.	
NOTE: Mixing of 2133 and 2400MHz DIMMs is not supported.	
Registered DIMMs (RDIMMs) for E5-2600v4 Series	
NOTE: The following memory is supported by the E5-2600v4 series Processor only.	
HPE 8GB (1x8GB) Single Rank x8 DDR4-2400 CAS-17-17-17 Registered Memory Kit	805347-B21
HPE 16GB (1x16GB) Single Rank x4 DDR4-2400 CAS-17-17-17 Registered Memory Kit	805349-B21
HPE 16GB (1x16GB) Dual Rank x8 DDR4-2400 CAS-17-17-17 Registered Smart Memory Kit	P00423-B21
HPE 32GB (1x32GB) Dual Rank x4 DDR4-2400 CAS-17-17-17 Registered Memory Kit	805351-B21
HPE 16GB (1x16GB) Dual Rank x4 DDR4-2400 CAS-17-17-17 Registered Memory Kit	836220-B21
NOTE: Depending on Processor selected this memory will run at 1866, 2133 or 2400MHz.	
NOTE: Mixing of DIMM types is not supported.	
NOTE: Mixing of 2133 and 2400MHz DIMMs is not supported.	
Load Reduced DIMMs (LRDIMMs) for E5-2600v4 Series	
NOTE: The following memory is supported by the E5-2600v4 series Processor only.	
HPE 32GB (1x32GB) Dual Rank x4 DDR4-2400 CAS-17-17-17 Load Reduced Memory Kit	805353-B21
HPE 64GB (1x64GB) Quad Rank x4 DDR4-2400 CAS-17-17-17 Load Reduced Memory Kit	805358-B21
HPE 128GB (1x128GB) Octal Rank x4 DDR4-2400 CAS-20-18-18 Load Reduced Memory Kit	809208-B21
NOTE: Depending on Processor selected this memory will run at 1866, 2133 or 2400MHz.	
NOTE: These LRDIMMs do not support NVDIMMs.	

	NOTE: Mixing of DIMM types is not supported.	
	NOTE: Mixing of 2133 and 2400MHz DIMMs is not supported.	
	NOTE: Mixing the 128GB LRDIMM with other capacities is not supported.	
	HPE Persistent Memory (NVDIMM)	
	NOTE: The following memory is supported by the E5-2600v4 series Processor only.	
	HPE 8GB NVDIMM Single Rank x4 DDR4-2133 Module	782692-B21
	NOTE: NVDIMMs are only supported with E5-2600v4 processors, excluding field upgrades from E5-2600v3 to E5-2600v4.	
	NOTE: A maximum of 16 NVDIMMs supported.	
	NOTE: Can only be mixed with RDIMMs.	
	NOTE: Depending on Processor selected this memory will run at 2133MHz maximum.	
HPE Optical Drives	HPE 9.5mm SATA DVD-ROM Optical Drive	726536-B21
	NOTE: The Universal Media Bay (724865-B21) is required for this option.	
	HPE 9.5mm SATA DVD-RW Optical Drive	726537-B21
	NOTE: The Universal Media Bay (724865-B21) is required for this option.	
	HPE Mobile USB DVD-RW Optical Drive	701498-B21
	NOTE: This is only supported on USB 3.0 ports.	
HPE Hard Drives	12G SAS Hot Plug SFF (2.5-inch) Enterprise (ENT) Drives	
	HPE 2.4TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty 512e Digitally Signed Firmware HDD	881457-B21
	HPE 1.8TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty 512e Digitally Signed Firmware HDD	872481-B21
	HPE 1.2TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD	872479-B21
	HPE 900GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD	870759-B21
	HPE 600GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD	870757-B21
	HPE 600GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD	872477-B21
	HPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD	870753-B21
	HPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD	872475-B21
	HPE 900GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty 512e Digitally Signed Firmware HDD	870765-B21
	SAS Hot Plug SFF (2.5-inch) Midline (MDL) Drives	
	HPE 2TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e HDD	765466-B21

HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD	832514-B21
HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD	765464-B21
12G SAS Hot Plug LFF (3.5-inch) Enterprise (ENT) Drives	
HPE 600GB SAS 12G Enterprise 15K LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware HDD	P04695-B21
HPE 300GB SAS 12G Enterprise 15K LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware HDD	P04693-B21
12G SAS Hot Plug LFF (3.5-inch) SC Midline Hard Drives - 1yr Warranty	
HPE 8TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD	819201-B21
HPE 4TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	872487-B21
HPE 4TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	872487-B21
HPE 2TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	872485-B21
HPE 2TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	872485-B21
HPE 10TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed Firmware HDD	857644-B21
HPE 6TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	846514-B21
HPE 6TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDD	861754-B21
HPE 1TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	846524-B21
SATA Hot Plug SFF (2.5-inch) Midline (MDL) Drives	
HPE 2TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD	765455-B21
HPE 1TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD	655710-B21
SATA Hot Plug LFF (3.5-inch) Midline (MDL) Drives	
HPE 8TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD	819203-B21
HPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDD	861750-B21
HPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	872491-B21
HPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	872491-B21
HPE 1TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty HDD	861691-B21

HPE 12TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed Firmware HDD	881785-B21
HPE 10TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed Firmware HDD	857648-B21
HPE 2TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	872489-B21
HPE 2TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	872489-B21
12G SAS Mixed Use Hot Plug SFF (2.5-inch) Solid State Drives	
HPE 6.4TB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09096-B21
HPE 3.2TB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09094-B21
HPE 1.6TB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09092-B21
HPE 800GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09090-B21
HPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09088-B21
HPE 6.4TB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04539-B21
HPE 3.2TB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04537-B21
HPE 1.6TB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04533-B21
HPE 800GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04527-B21
HPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04525-B21
HPE 3.2TB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	872386-B21
HPE 1.6TB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	873365-B21
HPE 1.6TB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	872382-B21
HPE 800GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	873363-B21
HPE 800GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	872376-B21
HPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	873359-B21

HPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	872374-B21
HPE 3.2TB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	873367-B21
12G SAS Hot Plug RI-3 SFF (2.5-inch) SC Solid State Drives	
HPE 7.68TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04523-B21
HPE 3.84TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04521-B21
HPE 1.92TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04519-B21
HPE 960GB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04517-B21
HPE 15.3TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P06592-B21
HPE 7.68TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P06590-B21
HPE 3.84TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P06588-B21
HPE 1.92TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P06586-B21
HPE 960GB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P06584-B21
HPE 3.84TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	872394-B21
HPE 1.92TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	872392-B21
HPE 1.92TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	875326-B21
HPE 960GB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	872390-B21
HPE 960GB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	875313-B21
HPE 480GB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	875311-B21
HPE 15.3TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	870148-B21
HPE 7.68TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	870144-B21
HPE 3.84TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	875330-B21

12G SAS Hot Plug MU-3 LFF (3.5-inch) SC Solid State Drives	
HPE 800GB SAS 12G Mixed Use LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	872378-B21
HPE 800GB SAS 12G Mixed Use LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	P04529-B21
12G SAS Hot Plug SFF (2.5-inch) Write Intensive Solid State Drives	
HPE 3.2TB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04547-B21
HPE 1.6TB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04545-B21
HPE 1.6TB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09102-B21
HPE 800GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09100-B21
HPE 400GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09098-B21
HPE 800GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04543-B21
HPE 400GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04541-B21
HPE 1.6TB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	873357-B21
HPE 800GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	873355-B21
HPE 400GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	873351-B21
6G SATA Hot Plug SFF (2.5-inch) SC Read Intensive Solid State Drives	
HPE 3.84TB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04570-B21
HPE 1.92TB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P06198-B21
HPE 1.92TB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	875513-B21
HPE 1.92TB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04566-B21
HPE 960GB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P06196-B21
HPE 960GB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	875511-B21
HPE 960GB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04564-B21

HPE 480GB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P06194-B21
HPE 480GB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	875509-B21
HPE 480GB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04560-B21
HPE 240GB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	875503-B21
HPE 240GB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04556-B21
HPE 7.68TB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04482-B21
HPE 3.84TB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04480-B21
HPE 1.92TB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04478-B21
HPE 960GB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04476-B21
HPE 480GB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04474-B21
HPE 3.84TB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P06200-B21
Read Intensive - 6G SATA - M.2 - Solid State Drives	
HPE 480GB SATA 6G Read Intensive M.2 2280 3yr Wty Digitally Signed Firmware SSD	875498-B21
HPE 960GB SATA 6G Read Intensive M.2 2280 3yr Wty Digitally Signed Firmware SSD	875500-B21
6G SATA Hot Plug SFF (2.5-inch) SC Mixed Use Solid State Drives	
HPE 1.92TB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09722-B21
HPE 960GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09716-B21
HPE 480GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09712-B21
HPE 1.92TB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P07930-B21
HPE 960GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P07926-B21
HPE 480GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P07922-B21

HPE 1.92TB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	872352-B21
HPE 1.92TB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	875478-B21
HPE 960GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	872348-B21
HPE 960GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	875474-B21
HPE 480GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	872344-B21
HPE 480GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	875470-B21
HPE 240GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	875483-B21
HPE 3.84TB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P00896-B21
Mixed Use - 6G SATA - M.2 - Solid State Drives	
HPE 240GB SATA 6G Mixed Use M.2 2280 3yr Wty Digitally Signed Firmware SSD	875488-B21
HPE 960GB SATA 6G Mixed Use M.2 2280 3yr Wty Digitally Signed Firmware SSD	875492-B21
HPE 480GB SATA 6G Mixed Use M.2 2280 3yr Wty Digitally Signed Firmware SSD	875490-B21
6G SATA Hot Plug LFF (3.5-inch) SCC Read Intensive Solid State Drives	
HPE 1.92TB SATA 6G Read Intensive LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	P09693-B21
HPE 960GB SATA 6G Read Intensive LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	P09689-B21
HPE 480GB SATA 6G Read Intensive LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	P09687-B21
6G SATA Hot Plug LFF (3.5-inch) SC Mixed Use Solid State Drives	
HPE 1.92TB SATA 6G Mixed Use LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	P09724-B21
HPE 960GB SATA 6G Mixed Use LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	P09718-B21
HPE 1.92TB SATA 6G Mixed Use LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	P07932-B21
HPE 960GB SATA 6G Mixed Use LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	P07928-B21
HPE 480GB SATA 6G Mixed Use LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	P07924-B21

HPE 1.92TB SATA 6G Mixed Use LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	875480-B21
HPE 960GB SATA 6G Mixed Use LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	872350-B21
HPE 960GB SATA 6G Mixed Use LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	P03691-B21
HPE 480GB SATA 6G Mixed Use LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	872346-B21
HPE NVMe PCIe Read Intensive SFF (2.5 inch) Solid State Drives	
HPE 7.68TB NVMe x4 Lanes Read Intensive SFF (2.5in) SCN 3yr Wty Digitally Signed Firmware SSD	P10218-B21
HPE 3.84TB NVMe x4 Lanes Read Intensive SFF (2.5in) SCN 3yr Wty Digitally Signed Firmware SSD	P10216-B21
HPE 1.92TB NVMe x4 Lanes Read Intensive SFF (2.5in) SCN 3yr Wty Digitally Signed Firmware SSD	P10214-B21
HPE 2TB NVMe x4 Lanes Read Intensive SFF (2.5in) SCN 3yr Wty Digitally Signed Firmware SSD	877986-B21
HPE 1.92TB NVMe x4 Lanes Read Intensive SFF (2.5in) SCN 3yr Wty Digitally Signed Firmware SSD	875591-B21
HPE 960GB NVMe x4 Lanes Read Intensive SFF (2.5in) SCN 3yr Wty Digitally Signed Firmware SSD	875589-B21
HPE 480GB NVMe x4 Lanes Read Intensive SFF (2.5in) SCN 3yr Wty Digitally Signed Firmware SSD	875587-B21
HPE 375GB NVMe x4 Lanes Write Intensive SFF (2.5in) SCN 3yr Wty Digitally Signed Firmware SSD	878014-B21
NOTE: With NVMe support only 1xDouble Wide Graphics card is supported.	
HPE NVMe PCIe Mixed Use SFF (2.5 inch) Solid State Drives	
HPE 6.4TB NVMe x4 Lanes Mixed Use SFF (2.5in) SCN 3yr Wty Digitally Signed Firmware SSD	P10226-B21
HPE 3.2TB NVMe x4 Lanes Mixed Use SFF (2.5in) SCN 3yr Wty Digitally Signed Firmware SSD	P10224-B21
HPE 1.6TB NVMe x4 Lanes Mixed Use SFF (2.5in) SCN 3yr Wty Digitally Signed Firmware SSD	P10222-B21
HPE 3.2TB NVMe x4 Lanes Mixed Use SFF (2.5in) SCN 3yr Wty Digitally Signed Firmware SSD	877998-B21
HPE 1.6TB NVMe x4 Lanes Mixed Use SFF (2.5in) SCN 3yr Wty Digitally Signed Firmware SSD	875597-B21
HPE 1.6TB NVMe x4 Lanes Mixed Use SFF (2.5in) SCN 3yr Wty Digitally Signed Firmware SSD	877994-B21
HPE 800GB NVMe x4 Lanes Mixed Use SFF (2.5in) SCN 3yr Wty Digitally Signed Firmware SSD	875595-B21

HPE 400GB NVMe x4 Lanes Mixed Use SFF (2.5in) SCN 3yr Wty Digitally Signed Firmware SSD	875593-B21
NOTE: With NVMe support only 1xDouble Wide Graphics card is supported.	
NOTE: The NVMe CTO Server (810393-B21) or the NVMe Express Bay Enablement kit (774741-B21) are required to support these drives.	
NOTE: With NVMe support only 1xDouble Wide Graphics card is supported.	
M.2 SSD	
HPE Universal SATA HHHL 3yr Wty M.2 Kit	878783-B21
NOTE: M.2 drives go in PCIe slots and use B140i SATA controller only.	
NOTE: M.2 supports Software RAID only.	
NOTE: No HPE Flexible Smart Array supported.	
Hard Drive Blank Kits	
HPE Large Form Factor Hard Drive Blank Kit	666986-B21
HPE Small Form Factor Hard Drive Blank Kit	666987-B21
Hard Drive Kits	
HPE DL380 Gen9 NVMe 6 Solid State Drive Express Bay Enablement Kit	774741-B21
NOTE: This option provides support for up to 6NVMe drives, and can only be populated in BAY2 in SFF chassis only, can be used with Bay1 and Bay 3 populated.	
NOTE: The HPE DL380 Gen9 High Performance Fan Kit is required for NVMe support (719079-B21).	
NOTE: The PCIe card in this enablement kit can only be populated in slot2 (primary) or slot 5 (secondary).	
NOTE: For true x16 support with this option a secondary riser (719073-B21) is needed (second processor required).	
NOTE: Kit includes Mylar film for Universal Media Bay (724865-B21) support to ensure optimal airflow.	
HPE DL380 Gen9 8SFF Bay1 Cage/Backplane Kit	719067-B21
HPE DL380 Gen9 Additional 8SFF Bay2 Cage/Backplane Kit	768857-B21
HPE DL380 Gen9 2SFF Front/Rear SAS/SATA Kit	724864-B21
HPE DL380 Gen9 3LFF Rear SAS/SATA Kit	768856-B21
Media Bay Kits	
HPE DL380 Gen9 Universal Media Bay Kit	724865-B21

	<p>NOTE: The Universal Media Bay offers front VGA and 2xUSB 2.0, plus ability to add optional Optical drive, and 2SFF.</p> <p>NOTE: This is only compatible with the 8SFF or 8+8 SFF configurations and can only be populated in Bay1.</p>	
	<p>NOTE: The Universal Media Bay offers front VGA and 2xUSB 2.0, plus ability to add optional Optical drive, and 2SFF.</p> <p>NOTE: This is only compatible with the 8SFF or 8+8 SFF configurations and can only be populated in Bay1.</p>	
HPE Networking	HPE Ethernet 1Gb 4-port 331T Adapter	647594-B21
	HPE Ethernet 1Gb 4-port 366T Adapter	811546-B21
	HPE Ethernet 1Gb 2-port 332T Adapter	615732-B21
	HPE Ethernet 1Gb 2-port 361T Adapter	652497-B21
	10 Gigabit Ethernet adapters	
	HPE Ethernet 10Gb 2-port 530SFP Adapter	652503-B21
	HPE Ethernet 10Gb 2-port 530T Adapter	656596-B21
	HPE Ethernet 10Gb 2-port 562SFP+ Adapter	727055-B21
	HPE Ethernet 10Gb 2-port 546SFP+ Adapter	779793-B21
	HPE Ethernet 10Gb 2-port 560SFP+ Adapter	665249-B21
	HPE Ethernet 10Gb 2-port 561T Adapter	716591-B21
	NOTE: The DL380 Gen9 chassis ships with 4x1Gb Embedded.	
	NOTE: A minimum of two Gigabytes (2 GB) of server memory is required per each adapter.	
	NOTE: Direct Attach Cable (DAC) for copper environments or fiber transceivers and cables for fiber-optic environments must be purchased separately.	
	25 Gigabit Ethernet adapters	
	HPE Ethernet 10/25Gb 2-port 640SFP28 Adapter	817753-B21
	FlexibleLOM Adapters	
	HPE Ethernet 1Gb 4-port 331FLR Adapter	629135-B22
	HPE Ethernet 1Gb 4-port 366FLR Adapter	665240-B21
	HPE FlexFabric 10Gb 2-port 533FLR-T Adapter	700759-B21
	HPE FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter	700751-B21
	HPE FlexFabric 10Gb 4-port 536FLR-T Adapter	764302-B21
	HPE Ethernet 10Gb 2-port 562FLR-SFP+ Adapter	727054-B21
	HPE Ethernet 10/25Gb 2-port 640FLR-SFP28 Adapter	817749-B21
	HPE Ethernet 10Gb 2-port 546FLR-SFP+ Adapter	779799-B21
	HPE FlexFabric 10Gb 2-port 556FLR-SFP+ Adapter	727060-B21
HPE Ethernet 10Gb 2-port 560FLR-SFP+ Adapter	665243-B21	

	HPE Ethernet 10Gb 2-port 561FLR-T Adapter	700699-B21
	<p>NOTE: The DL380 Gen9 chassis ships with 4x1Gb Embedded.</p> <p>NOTE: Only one FlexibleLOM can be added to the server. These options are upgradeable and can be changed from the original configuration after the server is shipped.</p> <p>NOTE: Direct Attach Cable (DAC) for copper environments or fiber transceivers and cables for fiber-optic environments must be purchased separately.</p>	
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HPE InfiniBand	HPE InfiniBand QDR/Ethernet 10Gb 2-port 544+FLR-QSFP Adapter	
	HPE InfiniBand FDR/Ethernet 10Gb/40Gb 2-port 544+FLR-QSFP Adapter	764285-B21
	HPE InfiniBand FDR/Ethernet 10Gb/40Gb 2-port 544+QSFP Adapter	764284-B21
	HPE 100Gb 1-port OP101 QSFP28 x16 PCIe Gen3 with Intel Omni-Path Architecture Adapter	829335-B21
	HPE InfiniBand EDR/Ethernet 100Gb 1-port 840QSFP28 Adapter	825110-B21
	HPE InfiniBand EDR/Ethernet 100Gb 2-port 840QSFP28 Adapter	825111-B21
	HPE InfiniBand EDR 100Gb 1-port 841QSFP28 Adapter	872725-B21
	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	872726-B21
	HPE InfiniBand EDR/Ethernet 100Gb 2-port 841QSFP28 Adapter	872726-B21
	HPE DL380 Gen9 Primary 2 Slot GPU Ready Riser Kit	719076-B21
	<p>NOTE: This is for slot 1 and supports double wide GPGPUs. Slot1: 1xGen3 x16 FH/FL, 1xGen3 x8 FH/HL.</p> <p>NOTE: For Graphics cards please also order the DL380 Gen9 Graphics Enablement kit, 719082-B21.</p> <p>NOTE: Double wide PCIe cards are only supported in risers with the Processors leveraging the High Performance Heatsink. For Processors requiring double wide GPU support please order the GPU enablement kit (719082-B21).</p>	
	HPE DL380 Gen9 Secondary 3 Slot GPU Ready Riser Kit	719073-B21

HPE I/O Expansion Options	<p>NOTE: This is for slot 2 and supports double wide GPGPUs. Slot2: 2xGen3 x16 FH/FL, 1xGen3 x8 FH/HL.</p> <p>NOTE: For Graphics cards please also order the DL380 Gen9 Graphics Enablement kit, 719082-B21.</p> <p>NOTE: Double wide PCIe cards are only supported in risers with the Processors leveraging the High Performance Heatsink. For Processors requiring double wide GPU support please order the GPU enablement kit (719082-B21).</p>																							
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Graphics Accelerators	<p>bay supported to 35C, 16SFF+NVMe cage supported to 35C and 24SFF+2SFF supported to 35C.</p> <p>NOTE: The Primary GPU riser (719076-B21) is required to support this in slot1.</p> <p>NOTE: The secondary GPU riser (719073-B21) is required to support this in slot2 (2nd processor required).</p> <p>NOTE: For doublewide GPU support you are required to have at least 1x1400W Power Supply (720620-B21), per card.</p> <p>NOTE: Double-wide cards require the addition of the High Performance Fan Kit (719079-B21).</p> <p>NOTE: Only supported with E5-2600v4 processors.</p>	
	<p>HPE NVIDIA Tesla M60 Reverse Air Flow Dual GPU PCIe Graphics Accelerator</p>	<p>M3X67A</p>
	<p>NOTE: Maximum 2 supported with both risers, support for 2 cards requires the 1400W Power Supply (720620-B21) to be selected.</p> <p>NOTE: Double-wide cards require the addition of the High Performance Fan Kit (719079-B21).</p> <p>NOTE: This card only runs at PCIeGen2 speeds.</p> <p>NOTE: The Primary GPU riser (719076-B21) is required to support this in slot1.</p> <p>NOTE: The secondary GPU riser (719073-B21) is required to support this in slot2 (2nd processor required).</p> <p>NOTE: There are limitations operating this card with a 160W processor with operative environment temperature limitations: 8SFF to 350C, 16 SFF to 250C and 24SFF/12LFF to 200C</p> <p>NOTE: Additional Grid 2.0 Licensing from NVIDIA is required.</p>	
	<p>HPE NVIDIA Tesla P4 8GB Computational Accelerator</p>	<p>Q0V79A</p>
	<p>NOTE: Maximum of 3 cards supported per server.</p> <p>NOTE: This is supported in all server models.</p> <p>NOTE: The Primary GPU riser (719076-B21) is required to support this in slot1.</p>	

<p>NOTE: The secondary GPU riser (719073-B21) is required to support this in slot2 (2nd processor required).</p> <p>NOTE: 1x 1400W PS recommended, but this card will work with 1x800W PS (Per GPU). NOTE: No GPU enablement kit is required for this option.</p> <p>NOTE: Only supported with E5-2600v4 processors.</p>	
HPE NVIDIA Tesla P40 24GB Computational Accelerator	Q0V80A
<p>NOTE: There are server model limitations with this card: 4LFF supported to 35C, 8SFF supported to 35C, 12LFF supported to 25C, 16SFF+Universal Media bay supported to 30C, 16SFF+NVMe cage supported to 30C and 24SFF+2SFF supported to 30C.</p> <p>NOTE: For doublewide GPU support you are required to have at least 1x1400W Power Supply (720620-B21), per card.</p> <p>NOTE: The Primary GPU riser (719076-B21) is required to support this in slot1.</p> <p>NOTE: The secondary GPU riser (719073-B21) is required to support this in slot2 (2nd processor required).</p> <p>NOTE: There are limitations on the server model and processor supported when adding Graphics accelerators.</p> <p>NOTE: This card will require the addition of the High Performance Fan Kit (719079-B21).</p> <p>NOTE: This card is supported on the E5-2600v4 series processors only.</p>	
HPE NVIDIA Tesla P100 PCIe 16GB Computational Accelerator	Q0E21A
<p>NOTE: There are server model limitations with this card: 4LFF supported to 25C, 8SFF supported to 30C, 12LFF not supported, 16SFF+Universal Media bay supported to 30C, 16SFF+NVMe cage supported to 30C and 24SFF+2SFF supported to 20C.</p> <p>NOTE: For doublewide GPU support you are required to have at least 1x1400W Power Supply (720620-B21), per card.</p> <p>NOTE: The Primary GPU riser (719076-B21) is required to support this in slot1.</p> <p>NOTE: The secondary GPU riser (719073-B21) is required to support this in slot2 (2nd processor required).</p> <p>NOTE: There are limitations on the chassis and processor supported when adding Graphics accelerators.</p> <p>NOTE: This card will require the addition of the High Performance Fan Kit (719079-B21).</p>	

NOTE: This card is supported on the E5-2600v4 series processors only.	
HPE NVIDIA Quadro P2000 Graphics Accelerator	Q0V77A
NOTE: Only supported with E5-2600v4 processors.	
NOTE: This is supported in all server models.	
NOTE: Support with this card limited to 35C for all server permatations.	
NOTE: The Primary GPU riser (719076-B21) is required to support this in slot1.	
NOTE: The secondary GPU riser (719073-B21) is required to support this in slot2 (2nd processor required).	
NOTE: 1x 1400W PS recommended, but this card will work with 1x800W PS (Per GPU).	
HPE NVIDIA Quadro P4000 Graphics Accelerator	Q0V78A
NOTE: Only supported with E5-2600v4 processors.	
NOTE: This is supported in all server models.	
NOTE: Support with this card limited to 35C for all server permatations.	
NOTE: The Primary GPU riser (719076-B21) is required to support this in slot1.	
NOTE: The secondary GPU riser (719073-B21) is required to support this in slot2 (2nd processor required).	
NOTE: 1x 1400W PS recommended, but this card will work with 1x800W PS (Per GPU).	
HPE NVIDIA Quadro P6000 Graphics Accelerator	Q0V76A
NOTE: There are server model limitations with this card: 4LFF supported to 25C, 8SFF supported to 30C, 12LFF not supported, 16SFF+Universal Media bay supported to 30C, 16SFF+NVMme cage supported to 20C and 24SFF+2SFF supported to 20C.	
NOTE: For doublewide GPU support you are required to have at least 1x1400W Power Supply (720620-B21), per card.	
NOTE: The Primary GPU riser (719076-B21) is required to support this in slot1.	
NOTE: The secondary GPU riser (719073-B21) is required to support this in slot2 (2nd processor required).	
NOTE: There are limitations on the server model and processor supported when adding Graphics accelerators.	

NOTE: This card will require the addition of the High Performance Fan Kit (719079-B21).	
NOTE: This card is supported on the E5-2600v4 series processors only.	
HPE NVIDIA Tesla V100 PCIe 16GB Computational Accelerator	Q2N68A
HPE AMD FirePro S9150 Accelerator Kit	J0H11A
NOTE: For doublewide GPU support you are required to have at least 1x1400W Power Supply (720620-B21), per card.	
NOTE: The Primary GPU riser (719076-B21) is required to support this in slot1.	
NOTE: The secondary GPU riser (719073-B21) is required to support this in slot2 (2nd processor required).	
NOTE: There are limitations on the server model and processor supported when adding Graphics accelerators.	
NOTE: This card will require the addition of the High Performance Fan Kit (719079-B21).	
NOTE: This card is supported on the E5-2600v3 series processors only.	
NOTE: 12LFF support is restricted to 30C Server Ambient only.	
HPE AMD FirePro S7150x2 Accelerator Kit	M3X68A
NOTE: For doublewide GPU support you are required to have at least 1x1400W Power Supply (720620-B21), per card.	
NOTE: The Primary GPU riser (719076-B21) is required to support this in slot1.	
NOTE: The secondary GPU riser (719073-B21) is required to support this in slot2 (2nd processor required).	
NOTE: There are limitations on the server model and processor supported when adding Graphics accelerators.	
NOTE: This card will require the addition of the High Performance Fan Kit (719079-B21).	
NOTE: This card is supported on the E5-2600v4 series processors only.	
NOTE: This card only runs at PCIeGen2 speeds.	
NOTE: There are limitations operating this card with operative environment temperature limitations: 12LFF chassis to 300C	

	<p>NOTE: Each DL380 Gen9 server will accommodate up to three single-width or two double width PCIe cards for Computational Graphics support. Note that 11.25" is the max length for a card to also allow for cabling. This applies to primary slots 1 & 2 or secondary slots 4 & 5.</p> <p>NOTE: The NVIDIA Tesla, GRID and Quadro modules are supported only on 64-bit versions of Linux and Windows operating systems as well as on Virtual Machine client operating systems. The supported bare metal operating systems are RHEL6, SLES 11 and Windows Server 2012 R2.</p> <p>NOTE: There are limitations on fan types, setting, and server model support by card. NOTE: Mixing of GPUs is not supported.</p> <p>NOTE: All NVIDIA, Intel and AMD cards limit configurations to having less than 1TB memory installed.</p> <p>NOTE: Double Wide GPUs will occupy slots 2 and 5 and will leave only 2 slots left open.</p> <p>NOTE: There are limitations on GPU support with the NVMe bay installed.</p>
<p>HPE Cooling Options</p>	<p>HPE DL380 Gen9 High Performance Fan Kit: 719079-B21</p> <p>NOTE: High Performance Fan kit consists of 6 fans, these will need to replace all the standard Fans in the unit, and fill all 6-Fan cages.</p> <p>NOTE: The 12LFF and 24SFF models (including field upgrades to 24SFF) will already include 6 High Performance Fan kits.</p> <p>NOTE: The High Performance Fan Kit is needed to support certain Passive GPGPU (Graphics cards) configurations; or ASHRAE operating environments.</p>

Technical Specifications

<p>System Unit</p>	<p>Dimensions</p>	<p>SFF Drives: 3.44 x 17.54 x 26.75 in (8.73 x 44.55 x 67.94 cm)</p>	
	<p>Weight (approximate)</p>	<p>Minimum: (Minimum - 8SFF chassis with 1xSFF HDD and 7</p>	<p>32.6 lb (14.759 kg)</p>

	HDD blanks, 1x processor, 1x power supply (plus blank), 1x Flexible Smart Array, 1x Riser installed)	
	Maximum: (Maximum - 12 LFF hard drives (No rear drives), 2x processors, 2x power supplies, 1x Flexible Smart Array, 2x Risers installed)	51.5 lb (23.6 kg)
Input Requirements (per power supply)	Rated Line Voltage	100 to 120 VAC 200 to 240 VAC
BTU Rating	Maximum	For 800W Power Supply: 3207 BTU/hr (at 100 VAC), 3071 BTU/hr (at 200 VAC), 3112 BTU/hr (at 240 VAC) for China Only For 500W Power Supply: 1979 BTU/hr (at 100 VAC), 1911 BTU/hr (at 200 VAC), 1965 BTU/hr (at 240 VAC) for China Only
	Rated Steady-State Power	For 1400W Power Supply: 1400W (at 240 VAC), 1400W (at 240 VAC) For 800W Power Supply: 800W (at 100 VAC), 800W (at 240 VAC), 800W (at 240 VAC) input for China only For 500W Power Supply: 500W (at 100 VAC), 500W (at 240 VAC), 500W (at 240 VAC) input for China only
Power Supply Output (per power supply)	Maximum Peak Power	For 1400W Power Supply: 1400W (at 200 to 240 1VAC), 1400W (at 240 VAC) input for China only For 800W Power Supply: 800W (at 100 to 127 VAC), 800W (at 200 to 240 1VAC), 800W (at 240 VAC) input for China only

			For 500W Power Supply: 500W (at 100 to 127 VAC), 500W (at 200 to 240 VAC), 500W (at 240 VAC) input for China only	
System Temperature	Inlet	Standard Operating Support	10° to 35°C (50° to 95°F) at sea level with an altitude derating of 1.0°C per every 305 m (1.8°F per every 1000 ft) above sea level to a maximum of 3050 m (10,000 ft), no direct sustained sunlight. Maximum rate of change is 20°C/hr (36°F/hr). The upper limit and rate of change may be limited by the type and number of options installed. System performance during standard operating support may be reduced if operating with a fan fault or above 30°C (86°F).	
		Extended Ambient Operating Support	For approved hardware configurations, the supported system inlet range is extended to be: 5° to 10°C (41° to 50°F) and 35° to 40°C (95° to 104°F) at sea level with an altitude derating of 1.0°C per every 175 m (1.8°F per every 574 ft) above 900 m (2953 ft) to a maximum of 3050 m (10,000 ft). For approved hardware configurations, the supported system inlet range is extended to be: 40° to 45°C (104° to 113°F) at sea level with an altitude derating of 1.0°C per every 125 m (1.8°F per every 410 ft) above 900 m (2953 ft) to a maximum of 3050 m (10,000 ft). System performance may be reduced if operating in the extended ambient operating range or with a fan fault.	
		Non- operating	-30° to 60°C (-22° to 140°F). Maximum rate of change is 20°C/hr (36°F/hr).	
Relative Humidity		Operating	Minimum to be the higher (more moisture) of -12°C (10.4°F) dew point or 8% relative humidity. Maximum to be the lower (less moisture) of 24°C (75.2°F) dew point or 90% relative humidity.	
	(non-condensing)		Non- operating	5 to 95% relative humidity (Rh), 38.7°C (101.7°F) maximum wet bulb temperature, non-condensing.
	Altitude		Operating	3050 m (10,000 ft). This value may be limited by the type and number of options installed.

			Maximum allowable altitude change rate is 457 m/min (1500 ft/min).	
		Non-operating	9144 m (30,000 ft). Maximum allowable altitude change rate is 457 m/min (1500 ft/min).	
	Acoustic Noise	Listed are the declared A-Weighted sound power levels (LWAd) and declared average bystander position A-Weighted sound pressure levels (LpAm) when the product is operating in a 23°C ambient environment. Noise emissions were measured in accordance with ISO 7779 (ECMA 74) and declared in accordance with ISO 9296 (ECMA 109).		
		Idle		
		LWAd	4.0 B Entry LFF	
			4.1 B Entry	
			4.2 B Base	
			5.7 B Base LFF	
			4.3 B Perf	
		LpAm	23 dBA Entry LFF	
			24 dBA Entry	
			24 dBA Base	
			39 dBA Base LFF	
			25 dBA Perf	
		Operating		
		LWAd	4.3 B Entry LFF	
			4.6 B Entry	
			4.8 B Base	
			5.9 B Base LFF	
			5.6 B Perf	
		LpAm	25 dBA Entry LFF	
			29 dBA Entry	
	30 dBA Base			
	31 dBA Base LFF			
	39 dBA Perf			
	NOTE: The Listed sound levels apply to standard shipping configurations (Entry LFF, Entry, Base, Base LFF and Performance models) additional options may result in increased sound levels. The Base LFF model leverages our High Efficiency Fans, other models are shipping with standard fan options.			
	Emissions Classification (EMC)	FCC Rating	Class A	
		Normative Standards	CISPR 22; EN55022; EN55024; FCC CFR 47, Pt 15; ICES-003; CNS13438; GB9254; K22;K24; EN 61000-3-2; EN 61000-3-3; EN 60950-1; IEC 60950-1	

		<p>NOTE: Product conformance to cited product specifications is based on sample (type) testing, evaluation, or assessment. This product or family of products is eligible to bear the appropriate compliance logos and statements.</p> <p>NOTE: The Listed sound levels apply to standard shipping configurations. Additional options may result in increased sound levels.</p>		
HPE Dynamic Smart Array B140i Controller	Number of PCI links	Four		
	PCI link rate	4Gb/s		
	Storage protocol support	SATA		
	SAS/SATA peak data transfer rate	6Gb/s		
	Number of SAS/SATA links	10 links		
	SAS/SATA connectivity	2x4 connectors; 2x1 connectors		
	Expander support	No		
	Drives supported (max)	Up to 10 Internal Drives		
	RAID support	0, 1, 10, 5 SATA		
	Software management	HPE SSA, SMH, SIM		
	Warranty	Server warranty		
	HPE Secure Encryption license	Not Supported		
	HPE SmartCache License	Not Supported		
HPE Smart Storage Administrator	Supported			
HPE Ethernet 1Gb 4-port 331i Adapter	Network Interface	10Base-T/100Base-TX/1000Base-TX		
	Compatibility	IEEE 802.3 10Base-T		
		IEEE 802.3ab 1000Base-T		
		IEEE 802.3u 1000Base-TX		
	Data Transfer Method	PCI Express, two lanes (x2)		
	Controller	BCM5719		
	Network Transfer Rate	10Base-T (Half-Duplex)	10 Mb/s per port, 40 Mb/s combined	
		10Base-T (Full-Duplex)	20 Mb/s per port, 80 Mb/s combined	
		100Base-TX (Half-Duplex)	100 Mb/s per port, 400 Mb/s combined	
		100Base-TX (Full-Duplex)	200 Mb/s per port, 800 Mb/s combined	
1000Base-TX (Half and Full-Duplex)		1000 Mb/s per port, 4000 Mb/s combined		

		1000Base-TX (Full-Duplex)	2000 Mb/s per port, 8000 Mb/s combined
	Connector	Four RJ-45	
	Cable Support	10 Base-T	Categories 3, 4 or 5 UTP; up to 328 ft (100 m)
		10/100/1000 Base-TX	Category 5 or higher UTP; up to 328 ft (100 m)

Where to Buy

Want to buy this series of products? please contact:

- Tel: +1-626-239-8066 (USA)/ +852-3050-1066 / +852-3174-6166
- Fax: +852-3050-1066 (Hong Kong)
- Email: sales@router-switch.com (Sales Inquiries)

Or visit: [HPE DL380 Gen9 Server](#)

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Router-switch.com (HongKong Yejian Technologies Co., Ltd), founded in 2002, is one of the biggest Global Network Hardware Supplier. We are a leading provider of network products with 14,500+ customers in over 200 countries. We provide original new and used network equipments (Cisco, Huawei, HPE, Dell, Juniper, EMC, etc.), including Routers, Switches, Servers, Storage, Telepresence and Videoconferencing, IP Phones, Firewalls, Wireless APs & Controllers, EHWIC/HWIC/VWIC Cards, SFPs, Memory & Flash, Hard Disk, Cables, and all kinds of network solutions related products.

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