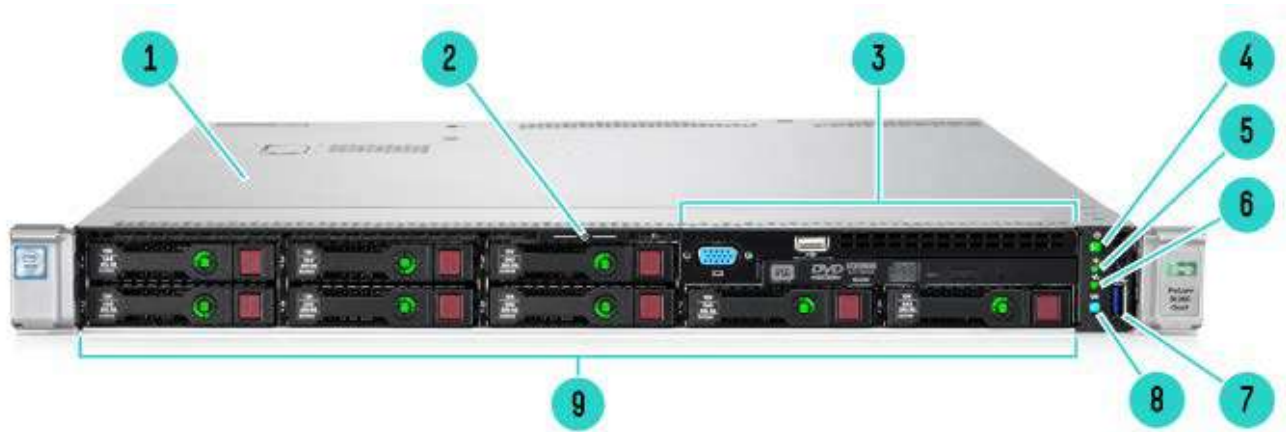


### Overview

#### HPE ProLiant DL360 Generation9 (Gen9)

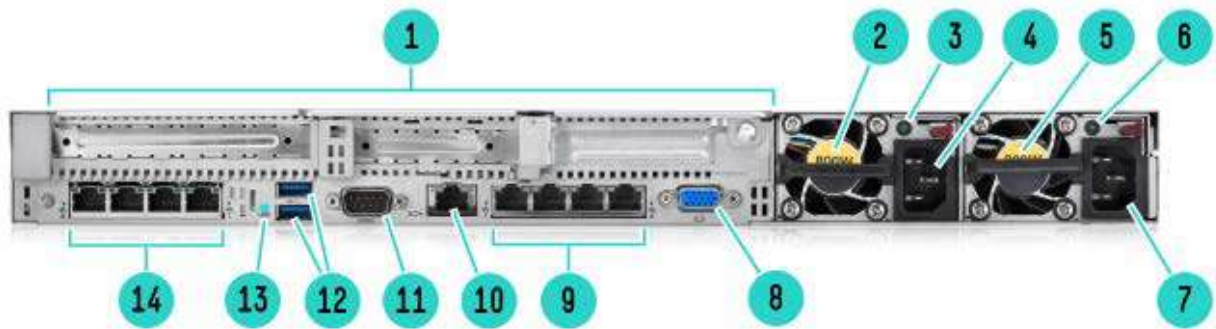
The Hewlett Packard Enterprise leading server for dense general-purpose computing, the HPE ProLiant DL360 Gen9 Server delivers increased performance with the best memory and I/O expandability packed in a 1U dense rack design. Reliability, serviceability and always on availability, backed by a comprehensive warranty, make it ideal for the most space constrained server workloads.



#### Front View

1. Access Panel
2. Serial Label Pull Tab
3. HPE Universal Media Bay or NVMe  
**NOTE:** Shown w/ VGA, USB 2.0 and DVD-ROM or DVD-RW option. Alternative options: NVMe HDD Kits, 2 SFF HDDs or VGA and USB 2.0.
4. Power On/Standby button and system power LED button
5. Health LED
6. NIC Status LED
7. USB 3.0 Connector
8. Unit Identification Button & LED
9. SAS/SATA/SSD/NVMe Drive Bays  
**NOTE:** 8SFF Model shown can be configured:  
8 SAS/SATA Drives or 10 SAS/SATA drives  
4 SAS/SATA (Drive 1-4) + 6 NVMe (Drive 5-10)  
8 SAS/SATA + Universal Media Bay  
4 LFF Models are also available.

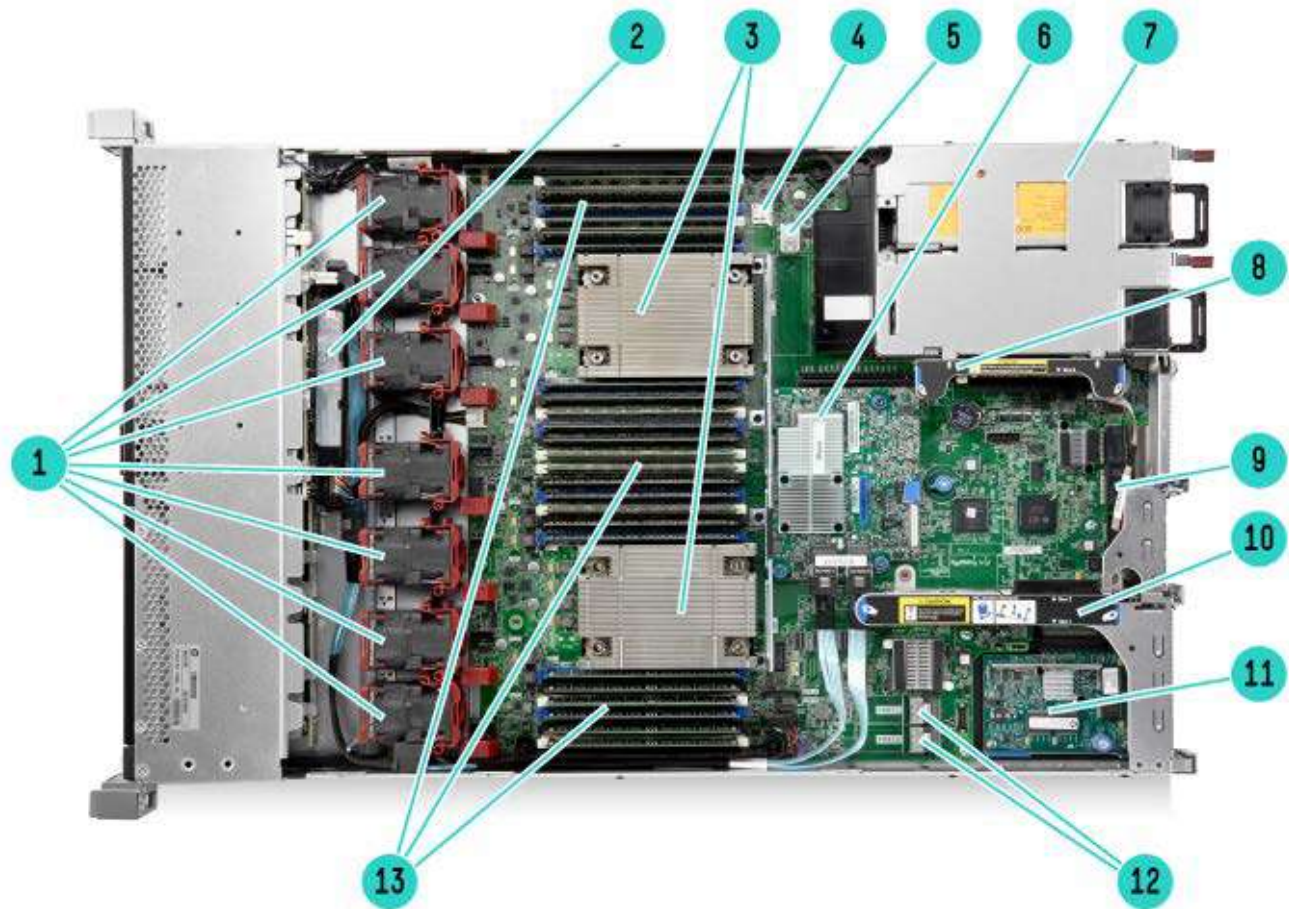
## Overview



## Rear View

1. PCIe 3.0 Slots 1-3  
**NOTE:** Slot 1 and 2 Riser Ships Standard, Slot 3 Optional one FH/  $\frac{3}{4}$  length and two Low Profile slots available (shown) or two FH/  $\frac{3}{4}$  length slots.
2. HPE Flexible Slot Power Supply Bay 2
3. Power Supply 2 Status LED
4. Power Supply 2 C13 Connection
5. HPE Flexible Slot Power Supply Bay 1
6. Power Supply 1 Status LED
7. Power Supply 1 C13 Connection
8. Video Connector
9. Embedded 4x1GbE Network Adapter
10. Dedicated iLO 4 connector
11. Serial Port Connector (Optional)
12. USB 3.0 Connectors (2)
13. Unit Identification LED
14. FlexibleLOM bay (Optional)  
**NOTE:** Shown: 4x1Gbe.

## Overview



### Internal View

- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1. 5 Standard Fans Ship for 1P and 7 Standard Fans Ship for 2P<br/><b>NOTE: High Performance Fans also available as an option.</b></li> <li>3. 2 Processors with HPE Smart Socket Guide</li> <li>5. Dual Internal USB 3.0 connector</li> <li>7. 2 HPE Flexible Slot Power supplies<br/><b>NOTE: Optional Micro UPS option</b></li> <li>9. Embedded 4x1Gbe NIC</li> <li>11. FlexibleLOM Bay (Optional)</li> <li>13. DDR4 DIMM slots. Shown fully populated in 24 slots (12 per processor)</li> </ol> | <ol style="list-style-type: none"> <li>2. HPE Smart Storage Battery (Optional)</li> <li>4. MicroSD card slot<br/><b>NOTE: Optional Dual Micro-SD option.</b></li> <li>6. HPE Flexible Smart Array or Smart HBA (Optional)<br/><b>NOTE: H240ar shown and P440ar available.</b></li> <li>8. Secondary PCIe 3.0 riser for PCIe slot 3 (requires CPU 2)</li> <li>10. Primary PCIe 3.0 riser for PCIe slots 1 &amp; 2</li> <li>12. Embedded SATA Controller ports</li> </ol> |
|--|---|

## Standard Features

**NOTE:** For more information regarding Intel Xeon processors, please see the following <http://www.intel.com/xeon>.

**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

## Standard Features

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	2.4 GHz	22	55MB	145W	9.6GT/s	2400

**NOTE:** Mixing of E5-2600 v3 and E5-2600 v4 processors is not supported

**NOTE:** All processors support Hyper-Threading except E5-2609 v4/v3 and E5-2603 v4/v3.

**NOTE:** Processors consuming up to 120w ship with standard heat sink.

 Processors consuming over 120w ships with a High Performance heat sink as standard.

 A High Performance heat sink can be added to help reduce power consumption (795235-B21).

### 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

HPE iLO (Firmware HPE iLO4 2.0 or later) 4GB NAND

### Management Chipset

**NOTE:** 1GB USB user space configurable via UEFI and accessible via iLO. Read and learn more in the [iLO QuickSpecs](#)

### Memory

One of the following depending on model

Type:

HPE SmartMemory

DDR4 Registered (RDIMM) or Load Reduced (LRDIMM)

DIMM Slots Available 24 (12 DIMM slots per processor, 4 channels per processor, 3 DIMMs per channel)


Maximum Capacity (LRDIMM) 3TB (24 x 128GB LRDIMM)

Maximum Capacity (RDIMM) 768GB (24 x 32GB RDIMM)


Maximum Capacity (NVDIMM) 128GB (16 x 8GB NVDIMM)\*

NVDIMM support only with the E5-2600v4 processors, and RDIMMs only

 128GB DIMMS cannot be mixed with any other size DIMMs.

 \*NVDIMMs cannot be used with LRDIMMs.

 \*A maximum of 16 NVDIMMs can be supported.

 NVDIMMs are only supported on factory configured servers with E5-2600 v4 processors, not supported on servers upgraded from E5-2600 v3 to E5-2600 v4 processors.

### 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.

## Standard Features

### Expansion Slots

Primary Riser	Expansion Slots #	Technology	Bus Width	Connector Width	Bus Number	Form Factor	Notes
	1	PCIe 3.0	X16	X16	7	Full-height, ¾ length (up to 9.5") Slot	Proc 1
	2	PCIe 3.0	X8	X8	10	Low profile	Proc 1

**NOTE:** Bus Width indicates the number of physical electrical lanes running to the connector.

Secondary Riser	Expansion Slots #	Technology	Bus Width	Connector Width	Bus Number	Form Factor	Notes
	3	PCIe 3.0	X16	X16	16	Full-height, full-length slot Low profile	Proc 2
	3	PCIe 3.0	X16	X16	20	Full-height, ¾ length (up to 9.5") slot	Proc 2*

**NOTE:** \*If secondary FH kit (867249-B21) is installed, then primary PCIe Slot 2 cannot be used. Only 2 FH slots are supported max.

### Storage Controller

One of the following depending on model

Entry Models	HPE Dynamic Smart Array B140i Controller HPE H240ar Smart Host Bus Adapter
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**NOTE:** For E5-2600v3 Entry models, the embedded B140i will operate in UEFI mode only.



For legacy mode support an additional controller will be needed.



For CTO orders please also select "HPE Legacy FIO Mode Setting", 758959-B22.

**NOTE:** The embedded B140i defaults to AHCI off the chipset. HPE Dynamic Smart Array Controller needs to be enabled on the SATA only models if needed.

Base Models	HPE Flexible Smart Array P440ar/2GB
Performance Models	HPE Flexible Smart Array P440ar/2GB

### Internal Storage Devices

One of the following depending on model

Optical Drive	8 SFF with optional Universal Media bay Option Kit 764632-B21 VGA, SFF DVD-RW USB Kit Option Kit 818213-B21 VGA, SFF DVD-ROM USB Kit 4 LFF Option Kit 726536-B21 - HPE 9.5mm SATA DVD-ROM Jb Gen9 Kit Option Kit 726537-B21 - HPE 9.5mm SATA DVD-RW Jb Gen9 Kit <b>NOTE:</b> Optical cable kit Required for optical drives, 766203-B21.
Hard Drives	None ship standard
Hard Drive Bays	8 SFF with optional Universal Media Bay or NVMe drive support 4 LFF 10 SFF; 8 SFF Model with optional 2 SFF SAS/SATA kit: 764630-B21 <b>NOTE:</b> HPE ProLiant DL360 Servers offer both SFF and LFF versions in CTO. <b>NOTE:</b> Pre-configured models come populated with some hard drive blanks. To order additional (single) hard drive blanks, use either: P/N 666987-B21: HPE SFF Hard Drive Blank Kit or P/N 666986-B21: HPE LFF Hard Drive Blank Kit. <b>NOTE:</b> The 2SFF kit comes with cable for internal B140i SATA controller. For SAS an alternate storage controller and cable kit are required.

## Standard Features

Maximum Internal Storage		CAPACITY	CONFIGURATION
	Hot Plug SFF SAS SSD	38.4TB	10 x 3.84TB
	Hot Plug SFF SATA SSD	38.4TB	10 x 3.84TB
	Hot Plug SFF SAS	20.0TB	10 x 2.0TB
	Hot Plug SFF SATA	20.0TB	10 x 2.0TB
	Hot Plug LFF SAS SSD	6.4TB	4 x 1.6TB
	Hot Plug LFF SATA SSD	15.36TB	4 x 3.84TB
	Hot Plug LFF SAS	40.0TB	4 x 10TB
	Hot Plug LFF SATA	40.0TB	4 x 10TB
	Hot Plug SFF NVMe PCIe SSD	27.36TB	6 x 2.0TB NVMe + 4 x 3.84TB SFF SSD

### Power Supply

One of the following depending on model

HPE 500W Flex Slot Platinum Hot Plug Power Supply

**NOTE:** Available in 94% efficiency.

HPE 800W Flex Slot Platinum Hot Plug Power Supply

**NOTE:** Also available in 96%.

**NOTE:** Also available in -48VDC and 227VAC/380VDC power inputs 720480-B21 and 720484-B21 Universal PSU.

HPE 1400W Flex Slot Platinum Plus Hot Plug Power Supply

**NOTE:** Available in 94% efficiency.

HPE Flexible Slot Battery Backup Unit Kits

**NOTE:** Flex Slot Battery Backup provides 750W output and 500W in paralleled configuration.

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.

To review the power requirements for your selected system, please use the HPE Power Advisor Tool located at <http://www.hpe.com/info/hppoweradvisor>.

Power specifications and technical content for all HPE Server power supplies can be found at <http://www.hpe.com/info/proliant/powersupply>.

### System Fans

One of the following depending on model

1P model

#### Non-redundant

N/A

#### Redundant

5 fans

2P model

#### Non-redundant

N/A

#### Redundant

7 fans

**NOTE:** The second processor option kit contains two fans.

**NOTE:** High Performance Fan Kit, 766201-B21, is available to meet some extended ambient operating temperatures above 35° C. Qualifications for extended ambient configurations are detailed at: <http://www.hpe.com/servers/ashrae>

## Standard Features

<b>Interfaces</b>	Serial	1
	<b>NOTE:</b> Serial Cable Option Kit: 764646-B21.	
	Video	1 rear (Standard) 1 front (Optional)
	<b>NOTE:</b> Front VGA options available for 8SFF and 4LFF models. See Core Options section of this QuickSpecs for more details.	
	Network RJ-45 (Ethernet)	Embedded 4x1GbE + FlexibleLOM bay
	<b>NOTE:</b> Both the SFF and LFF chassis have an embedded 4x1GbE NIC and FlexibleLOM bay. See HPE Networking section below for more details.	
	HPE iLO Remote Management Network Port	1 Gb Dedicated
	SD Connector	1 micro SD Internal
	<b>NOTE:</b> 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	5 total: 2 rear, 1 front, 2 internal

<b>Operating Systems and Virtualization Software Support for ProLiant Servers</b>	<b><u>Microsoft Windows Server</u></b>
	<b><u>Red Hat Enterprise Linux (RHEL)</u></b>
	<b><u>SUSE Linux Enterprise Server (SLES)</u></b>
	<b><u>Canonical Ubuntu</u></b>
	<b><u>Oracle Linux</u></b>
	<b><u>CentOS</u></b>
	<b><u>VMware</u></b>
	<b><u>Citrix XenServer</u></b>
	<b><u>Oracle Solaris</u></b>
<b><u>Wind River Linux</u></b>	

**NOTE:** For more information on Hewlett Packard Enterprise Certified and Supported ProLiant Servers for OS and Virtualization Software and latest listing of software drivers available for your server including how to purchase from Hewlett Packard Enterprise, please visit our OS Support Site at: <http://www.hpe.com/info/ossupport> and our [driver download page](#)

<b>Upgradeability</b>	Upgradeable to 2 processors (44 Cores)
	Up to 24 DIMM slots available for higher Memory capacity
	Up to 10 SFF Hard Drive Bays; or 4 LFF Hard Drive Bays
	FlexibleLOM slot for 1GbE or 10GbE or QDR/FDR InfiniBand Networking Options
	Optional 3 slot riser (x16, x16, x8), or 2 slot primary riser (x16, x8)
	3 PCIe 3.0 I/O slots for additional communications and storage expansion
	<b>NOTE:</b> Slot 1 and 2 Riser Shipped Standard. Slot 3 Optional 1 FH, ¾ length and 2 Low Profile slots available or two FH, ¾ length slots.
	Redundant Power Supplies
	Optical Drive supported via Universal Media Bay
	8SFF Chassis with: Option Kit 764632-B21 VGA, SFF DVD-RW USB Kit Option Kit 818213-B21 VGA, SFF DVD-ROM USB Kit
4LFF Chassis with: Option Kit 726536-B21 - HPE 9.5mm SATA DVD-ROM Jb Gen9 Kit	



## Standard Features

Option Kit 726537-B21 - HPE 9.5mm SATA DVD-RW Jb Gen9 Kit

**NOTE:** Optical cable kit Required for optical drives, 766203-B21.

### Industry Standard Compliance


ACPI 2.0b Compliant  
 PCIe 3.0 Compliant  
 PXE Support  
 WOL Support  
 Microsoft® Logo certifications  
 USB 3.0 Support  
 Energy Star  
 ASHRAE A3/A4

**NOTE:** The DL360 Gen9 is now one of the first HPE ProLiant Gen9 Servers with Extended Ambient Support up to 45C for data center infrastructures designed for better energy efficiency.

For additional technical thermal details regarding ambient temperatures, humidity and features support please visit <http://www.hpe.com/servers/ashrae>.

### Graphics

Integrated Matrox G200 video standard with 16MB of Video RAM

 1280 x 1024 (32 bpp)










 1920 x 1200 (16 bpp)

### 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. For more information, please visit <http://www.hpe.com/servers/uefi>.

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.

## Standard Features

<b>Form Factor</b>	1U Rack form factor
One of the following depending on model	8 SFF Drive Bay Version and 10 SFF Drive Bay Version: 1.7" (4.32cm) Height x 17.11" (43.47cm) Width x 27.5" (69.85cm) Length
	4 LFF Drive Bay Version: 1.7" (4.32cm) Height x 17.11" (43.47cm) Width x 29.5" (74.67cm) Length

**NOTE:** Dimensions without bezel.

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<b>Embedded Management</b>	<b>HPE Integrated Lights-Out (HPE iLO)</b>	Monitor your servers for ongoing management, service alerting, reporting and remote management with HPE iLO. Learn more at <a href="http://www.hpe.com/info/ilo">http://www.hpe.com/info/ilo</a> .
	<b>UEFI</b>	Configure and boot your servers securely with industry standard Unified Extensible Firmware Interface (UEFI). Learn more at <a href="http://www.hpe.com/servers/uefi">http://www.hpe.com/servers/uefi</a> .
	<b>RESTful API</b>	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. Learn more at <a href="http://www.hpe.com/info/restfulapi">http://www.hpe.com/info/restfulapi</a> .
	<b>Intelligent Provisioning</b>	Hassle free server and OS provisioning for 1 or few servers with Intelligent Provisioning. Learn more at <a href="http://www.hpe.com/servers/intelligentprovisioning">http://www.hpe.com/servers/intelligentprovisioning</a> .
	<b>Embedded Remote Support</b>	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. Learn more at <a href="http://www.hpe.com/info/insightonline/explore">http://www.hpe.com/info/insightonline/explore</a> .

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<b>Server utilities</b>	<b>Smart Update</b>	Optimize firmware and driver updates with Smart Update solutions including Smart Update Manager (SUM) and Service Pack for ProLiant (SPP). Learn more at <a href="http://www.hpe.com/servers/smartupdatemanager">http://www.hpe.com/servers/smartupdatemanager</a> .
	<b>HPE Systems Insight Manager (HPE SIM)</b>	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-Hewlett Packard Enterprise servers. HPE SIM also integrates with Smart Update Manager to provide quick and seamless firmware updates. Learn more at <a href="http://www.hpe.com/servers/hpsim">http://www.hpe.com/servers/hpsim</a> .
	<b>Scripting Tool Kit and Windows PowerShell</b>	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. Learn more at <a href="http://www.hpe.com/servers/proliant/stk">http://www.hpe.com/servers/proliant/stk</a> or <a href="http://www.hpe.com/servers/powershell">http://www.hpe.com/servers/powershell</a> .
	<b>RESTful Interface Tool</b>	RESTful Interface tool is a scripting tool to provision using RESTful API for iLO 4 to discover and deploy servers at scale. Learn more at <a href="http://www.hpe.com/info/resttool">http://www.hpe.com/info/resttool</a> .
	<b>HPE iLO Mobile Application</b>	Enables the ability to access, deploy, and manage your server anytime from anywhere from select smartphones and mobile devices. For additional information please visit: <a href="http://www.hpe.com/info/ilo/mobileapp">http://www.hpe.com/info/ilo/mobileapp</a> .

## Standard Features

**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. Learn more at <http://www.hpe.com/info/insightonline/explore>.

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### Security

Power-on password  
Keyboard password  
QuickLock, Network Server Mode  
Serial interface control  
Administrator's password  
iLO 4 (Integrated Lights-Out 4) has 12 customizable user accounts and SSL encryption  
iLO 4 can be disabled via a Global Setting  
Integrated Lights-Out can be disabled via a Global Setting  
iLO Advanced supports directory services integration  
TPM 2.0  
UEFI

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### Warranty

This product is covered by a global limited warranty and supported by Hewlett Packard Enterprise Services and a worldwide network of Hewlett Packard Enterprise Authorized Channel Partners resellers. Hardware diagnostic support and repair is available for three years from date of purchase. Support for software and initial setup is available for 90 days from date of purchase. Enhancements to warranty services are available through HPE Pointnext operational services or customized service agreements. Hard drives have either a one year or three year warranty; refer to the specific hard drive QuickSpecs for details. **NOTE: Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response. Warranty repairs may be accomplished through the use of Customer Self Repair (CSR) parts. These parts fall into two categories: 1) Mandatory CSR parts are designed for easy replacement. A travel and labor charge will result when customers decline to replace a Mandatory CSR part; 2) Optional CSR parts are also designed for easy replacement but may involve added complexity. Customers may choose to have Hewlett Packard Enterprise replace Optional CSR parts at no charge. Additional information regarding worldwide limited warranty and technical support is available at: <http://h17007.www1.hpe.com/us/en/enterprise/servers/warranty/>.**

## Optional Features

**Server Management**    **HPE Insight Control**    HPE Insight Control, lets you deploy, migrate, monitor, remote control, and optimize your IT infrastructure through a single, simple management console. For more information, see <http://www.hpe.com/info/insightcontrol>.

**HPE Insight Cluster Management Utility (CMU)**    HPE Insight Cluster Management Utility is a HyperScale management framework that includes software for the centralized provisioning, management and monitoring of nodes and infrastructure. Learn more at <http://www.hpe.com/info/cmu>.

**Rack and Power Infrastructure**    HPE Rack and Power Infrastructure products and services create highly efficient and intelligent solutions for existing or new IT data centers. HPE Rack and Power infrastructure solutions – rack infrastructure, power protection and management, performance optimized data centers (PODs) – are the foundation you are looking for to help secure your long-term IT success. These products are designed to help you react to changes in the industry. They deliver efficient, easy-to-use capabilities to manage, monitor, deploy and provision infrastructure from entry to enterprise. As an industry leader, Hewlett Packard Enterprise is uniquely positioned to address the key concerns of power, cooling, cable management and system access. Learn more at [HPE Rack and Power Infrastructure](#).


**High Performance Clusters**    **HPE Insight Cluster Management Utility (CMU)**    HPE Insight Cluster Management Utility is a Hyperscale management framework that includes software for the centralized provisioning, management and monitoring of nodes and infrastructure. Learn more at <http://www.hpe.com/info/cmu>.

**HPC Interconnects**    **NOTE:** High Performance Computing (HPC) interconnect technologies are available for this server under the HPE Cluster Platform product portfolio. These high-speed interconnects are fully supported by Hewlett Packard Enterprise when they are part of these configure to order clusters. Solutions can be defined with a lot of flexibility with the help of configuration tools. Please visit the following URL to configure HPEC Clusters with InfiniBand Interconnects: <https://www.hpe.com/info/hpc/solutions>.


**Storage Software**    Whether you need to solve a specific data protection, archiving, or storage command and control challenge, or deliver on strategic consolidation, compliance, or continuity initiatives, look no further than Hewlett Packard Enterprise storage software. Our storage software helps you reduce costs, simplify storage infrastructure, protect vital assets and respond faster to business opportunities. Storage software that gets the job done:

 **Data Protection and Recovery Software**

Whether you're a large enterprise or a smaller business, Hewlett Packard Enterprise data protection and recovery software will cost-effectively protect you against disaster and ensure business continuity.

 **Data Archive and Migration Software**

Hewlett Packard Enterprise storage software enables you to comply with data retention and retrieval requirements, improve application performance, and reduce costs by efficiently migrating infrequently accessed or less valuable data to lower cost storage.

 **Storage Resource Management Software (SRM)**

Hewlett Packard Enterprise storage resource management software reduces operational costs and provides the command and control foundation you need to efficiently manage and visualize your physical and virtual environments.

## Optional Features

### **Data Replication Software**

Hewlett Packard Enterprise offers array-based and host-based replication software for use in disaster recovery, testing, application development and reporting.

### **Storage Device Management Software**

Maximize your investment in Hewlett Packard Enterprise storage and networking with software that enables hardware-specific configuration, performance tuning and connectivity management.

### **HPE StoreVirtual VSA**

Enable highly available and clustered storage in your HPE ProLiant servers with virtualized storage: Add StoreVirtual VSA to multiple servers, manage it as a single pool of shared storage capacity, and scale it to match your evolving needs. To simplify deployment, Hewlett Packard Enterprise offers StoreVirtual Ready Nodes, pre-defined reference configurations for converged vSphere and Hyper-V virtualization solutions. You also have the option to install free 1TB-capacity StoreVirtual VSA software during server setup within Intelligent Provisioning. HPE ProLiant Gen9 servers include a 3-year limited license for this HPE software-defined storage at no extra cost. More information, instructional videos, and free management software are available at <http://www.hpe.com/storage/storevirtual>

**NOTE:** For more information about Storage Software including QuickSpecs, please see: <https://www.hpe.com/us/en/solutions/hpc-high-performance-computing/hpc-software.html>.

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### **One Config Simple (SCE)**

SCE is a guided self-service tool to help sales and non-technical people provide customers with initial configurations in 3 to 5 minutes. You may then send the configuration on for configuration help, or use in your existing ordering processes. If you require "custom" rack configuration or configuration for products not available in SCE, please contact Hewlett Packard Enterprise Customer Business Center or an Authorized Partner for assistance. <http://ocs.ext.hpe.com/>.

## Service and Support

### HPE Support Services

HPE Technology Services delivers confidence, reduces risk and helps customers realize agility and stability. Connect to Hewlett Packard Enterprise to help prevent problems and solve issues faster. HPE Support Services enable you to choose the right service level, length of coverage and response time as you purchase your new server, giving you full entitlement to the support for need for your IT and business.

### Connect your devices

Unlock all of the benefits of your technology investment by connecting your products to Hewlett Packard Enterprise. Achieve up to 77%<sup>1</sup> reduction in down time, near 100%<sup>2</sup> diagnostic accuracy and a single consolidated view of your environment. By connecting, you will receive 24x7 monitoring, pre-failure alerts, automatic call logging, and automatic parts dispatch. HPE Proactive Care Service and HPE Datacenter Care Service customers will also benefit from proactive activities to help prevent issues and increase optimization. All of these benefits are already available to you with your server storage and networking products, securely connected to Hewlett Packard Enterprise support.

1 - IDC 2 - HPE CSC reports 2014 - 2015

### Recommended Support

#### **Standard: HPE Proactive Care\* with 24x7 coverage, three year Support Service**

HPE Proactive Care gives customers an enhanced call experience. When your products are connected to Hewlett Packard Enterprise, Proactive Care helps prevent problems and maintains IT stability by utilizing personalized proactive reports with recommendations and advice. This service combines three years proactive reporting and advice with our 24x7 coverage, four hour hardware response time when there is a problem. This service also includes collaborative software support for Independent Software Vendors (ISVs), (Red Hat, VMWare, Microsoft, etc.) running on your Hewlett Packard Enterprise servers.

<https://www.hpe.com/h20195/v2/GetPDF.aspx/4AA3-8855ENW.pdf>

#### **Optimized HPE Proactive Care\* with 6 hour call-to-repair commitment, three year Support Service**

HPE Proactive Care gives customers an enhanced call experience. When your products are connected to Hewlett Packard Enterprise, Proactive Care helps prevent problems and maintains IT stability by utilizing personalized proactive reports with recommendations and advice. This service combines three years' proactive reporting and advice with our highest level of hardware support – Hewlett Packard Enterprise 24x7, six hour hardware call-to-repair. Hewlett Packard Enterprise is the only leading manufacturer who makes this level of coverage available as a standard service offering for your most valuable servers. This service also includes collaborative software support for Independent Software Vendors (ISVs), (Red Hat, VMWare, Microsoft, etc.) running on your Hewlett Packard Enterprise servers.

<https://www.hpe.com/h20195/v2/GetPDF.aspx/4AA3-8855ENW.pdf>

### Parts and Materials

Hewlett Packard Enterprise will provide Hewlett Packard Enterprise-supported replacement parts and materials necessary to maintain the covered hardware product in operating condition, including parts and materials for available and recommended engineering improvements.

Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product QuickSpecs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

The defective media retention service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction.

### Related Services

#### **HPE Server Hardware Installation**

Provides for the basic hardware installation of Hewlett Packard Enterprise branded servers, storage devices and networking options to assist you in bringing your new hardware into operation in a timely and professional manner.

<https://www.hpe.com/h20195/V2/GetPDF.aspx/5981-9356EN.pdf>

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## Service and Support

### HPE Installation and Startup Service

Provides for the installation and startup of Hewlett Packard Enterprise technology including BladeSystems, C-Class enclosure, HPE ProLiant c-Class and Integrity server blades, storage blades, SAN switch blades, HPE Virtual Connect modules (Ethernet and Fibre Channel), Ethernet network interconnects, and InfiniBand, as well as the installation of one supported operating system type (Windows® or Linux).

### HPE Technology Services Support Credits

Offer flexible services and technical skills to meet your changing IT demands. With a menu of service that is tailored to suit your needs, you get additional resources and specialist skills to help you maintain peak performance of your IT. Offered as annual credits, you can plan your budgets while proactively responding to your dynamic business.

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### HPE Education Services

Keep your IT staff trained making sure they have the right skills to deliver on your business outcomes. Book on a class today and learn how to get the most from your technology investment. <http://www.hpe.com/ww/learn>

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### HPE Support Center

The HPE Support Center is a personalized online support portal with access to information, tools and experts to support Hewlett Packard Enterprise business products. Submit support cases online, chat with Hewlett Packard Enterprise experts, access support resources or collaborate with peers.

Learn more <http://www.hpe.com/support/hpesc>

The Hewlett Packard Enterprise Support Center Mobile App\* allows you to resolve issues yourself or quickly connect to an agent for live support. Now, you can get access to personalized IT support anywhere, anytime.

HPE Insight Remote Support and HPE Support Center are available at no additional cost with a Hewlett Packard Enterprise warranty, HPE Support Service or Hewlett Packard Enterprise contractual support agreement.

\*HPE Support Center Mobile App is subject to local availability.

For more information: <http://www.hpe.com/services>

## Pre-configured Models

	Entry Models			Base Models		
<b>[SKU Number]</b>	818207-B21	755260-B21	755261-B21	818208-B21	848736-B21	755262-B21
<b>Model Name</b>	HPE ProLiant DL360 Gen9 E5-2603v4 1P 8GB-R H240ar 8SFF 500W PS Entry SAS Server	HPE ProLiant DL360 Gen9 E5-2603v3 1P 8GB-R B140i 500W PS Entry SATA Server	HPE ProLiant DL360 Gen9 E5-2603v3 1P 8GB-R H240ar 500W PS Entry SAS Server	HPE ProLiant DL360 Gen9 E5-2630v4 1P 16GB-R P440ar 8SFF 500W PS Base SAS Server	HPE ProLiant DL360 Gen9 E5-2640v4 1P 16GB-R P440ar 8SFF 500W PS Base Server	HPE ProLiant DL360 Gen9 E5-2630v3 1P 16GB-R P440ar 500W PS Base SAS Server
<b>Processor</b>	Intel® Xeon® E5-2603v4	Intel® Xeon® E5-2603v3		Intel® Xeon® E5-2630v4	Intel® Xeon® E5-2640v4	Intel® Xeon® E5-2630v3
<b>Number of Processors</b>	One					
<b>Memory</b>	8GB (1x8GB Registered DIMMs, 2400 MHz) <b>NOTE:</b> With E5-2603 v4 Processor, the actual DIMM speed will operate at 1866 MHz depending on DIMM configuration.	8GB (1x8GB Registered DIMMs, 2133 MHz) <b>NOTE:</b> With E5-2603 v3 Processor, the actual DIMM speed will operate at 1600 MHz depending on DIMM configuration.		16GB (1x16GB Registered DIMMs, 2400 MHz) <b>NOTE:</b> With E5-2630 v4 Processor, the actual DIMM speed will operate at 2133 MHz depending on DIMM configuration.	16GB (1x16GB Registered DIMMs, 2400 MHz) <b>NOTE:</b> With E5-2640 v4 Processor, the actual DIMM speed will operate at 2133 MHz depending on DIMM configuration.	16GB (1x16GB Registered DIMMs, 2133 MHz) <b>NOTE:</b> With E5-2630 v3 Processor, the actual DIMM speed will operate at 1866 MHz depending on DIMM configuration.
<b>Network Controller</b>	HPE Embedded 1Gb Ethernet 4-port 331i Adapter					
<b>Storage Controller</b>	HPE H240ar Smart Host Bus Adapter	HPE Dynamic Smart Array B140i <b>NOTE:</b> The embedded B140i will operate in UEFI mode only. For legacy support an additional controller will be needed.	HPE H240ar Smart Host Bus Adapter	HPE Flexible Smart Array P440ar/2GB		
<b>Hard Drive</b>	None ship standard	None ship standard <b>NOTE:</b> The embedded B140i defaults to AHCI off the chipset. HPE Dynamic Smart Array	None ship standard			



## Pre-configured Models

		Controller needs to be enabled on the SATA only models if needed.	
<b>Internal Storage</b>	8 SFF HDD Bays		
<b>Optical Drive Bay</b>	Optional via Universal Media Bay		
<b>PCI-Express Slots</b>	2 Standard (1-FH/¾ L, 1-LP) PCIe 3.0		
<b>Power Supply</b>	(1) HPE 500W Flex Slot Platinum Power Supply		
<b>Fans</b>	5 standard hot plug fans, redundant		
<b>Management</b>	iLO Management (standard), Intelligent Provisioning (standard), iLO Advanced (optional), Insight Control (optional), HPE OneView (optional)		
<b>Form Factor</b>	Rack (1U), HPE Easy Install Rails		
<b>Warranty</b>	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response		

## Pre-configured Models

	Performance Models		High Performance Models	
<b>[SKU Number]</b>	818209-B21	755263-B21	851937-B21	795236-B21
<b>Model Name</b>	HPE ProLiant DL360 Gen9 E5-2650v4 2P 32GB-R P440ar 8SFF 800W RPS Perf SAS Server	HPE ProLiant DL360 Gen9 E5-2650v3 2P 32GB-R P440ar 800W RPS Performance SAS Server	HPE ProLiant DL360 Gen9 E5-2660v4 2P 64GB-R P440ar 8SFF 800W RPS Perf2 SAS Server	HPE ProLiant DL360 Gen9 E5-2670v3 2P 64GB P440ar 8SFF 2x10Gb-T 2x800W OneView Server
<b>Processor</b>	Intel® Xeon® E5-2650v4	Intel® Xeon® E5-2650v3	Intel® Xeon® E5-2660v4	Intel® Xeon® E5-2670v3
<b>Number of Processors</b>	Two			
<b>Memory</b>	32GB (2x16GB Registered DIMMs, 2400 MHz) <b>NOTE: With E5-2650 v4 Processor, the actual DIMM speed will operate at 2400 MHz depending on DIMM configuration.</b>	32GB (2x16GB Registered DIMMs, 2133 MHz) <b>NOTE: With E5-2650 v3 Processor, the actual DIMM speed will operate at 2133MHz depending on DIMM configuration.</b>	64GB (4x16GB Registered DIMMs, 2400 MHz) <b>NOTE: With E5-2660 v4 Processor, the actual DIMM speed will operate at 2400 MHz depending on DIMM configuration.</b>	64GB (4x16GB Registered DIMMs, 2133 MHz) <b>NOTE: With E5-2670 v3 Processor, the actual DIMM speed will operate at 2133 MHz depending on DIMM configuration.</b>
<b>Network Controller</b>	HPE Embedded 4x1Gb, plus 2x10Gb-T Flexible LOM	HPE Embedded 4x1Gb, plus 2x10Gb FLR-T FlexFabric Flexible LOM	HPE Embedded 4x1Gb, plus 2x10Gb SFP+ Flexible LOM	HPE Embedded 4x1Gb, plus 2x10Gb FLR-T FlexFabric Flexible LOM
<b>Storage Controller</b>	HPE Flexible Smart Array P440ar/2GB		HPE Smart Array P440ar/2G Controller	HPE Flexible Smart Array P440ar/2GB
<b>Hard Drive</b>	None ship standard			
<b>Internal Storage</b>	8 SFF HDD Bays			
<b>Optical Drive Bay</b>	Optional via Universal Media Bay			
<b>PCI-Express Slots</b>	2 Standard (1-FH/¾ L, 1-LP) PCIe 3.0		3 Standard (1-FH/HL, 2-LP) PCIe 3.0	
<b>Power Supply</b>	(2) HPE 800W Flex Slot Platinum Power Supply			(1) HPE 800W Flex Slot Platinum Power Supply
<b>Fans</b>	7 standard hot plug fans, redundant			
<b>Management</b>	iLO Management (standard), Intelligent Provisioning (standard), iLO Advanced (standard), HPE OneView (optional)			iLO Management (standard), Intelligent Provisioning (standard), iLO Advanced (standard), HPE OneView (Standard)
<b>Energy Star</b>	Meets Energy Star requirements			
<b>Form Factor</b>	Rack (1U), HPE Easy Install Rails			
<b>Warranty</b>	Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response			

<b>Country Code Key</b>	xx1 = B21	Worldwide
	xx1 = 291	Japan
	xx1 = AA1	PRC

## 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 Hewlett Packard Enterprise approved configurator. Contact your local sales representative 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)

<b>[Chassis]</b>	HPE ProLiant DL360 Gen9 4LFF Configure-to-order Server	HPE ProLiant DL360 Gen9 8SFF Configure-to-order Server
<b>SKU Number</b>	755259-B21	755258-B21
<b>Processor</b>	2 (optional) x HPE Smart Socket Guide	
<b>DIMM Slots</b>	24 DIMM slots for RDIMM, LRDIMM DDR4 Memory	
<b>Storage Controller</b>	HPE Dynamic Smart Array B140i	
<b>PCIe</b>	2 PCIe 3.0 Slots: Slot 1, FH / ¾ Length; Slot 2, Low Profile	
<b>Drive Cage</b>	4LFF Hot Plug	8SFF Hot Plug
<b>Network Controller</b>	HPE Embedded 1Gb Ethernet 4-port 331i Adapter	
<b>Fans</b>	5 standard hot plug fans, redundant	
<b>Management</b>	iLO Management (standard), Intelligent Provisioning (standard)	
<b>USB</b>	1 front, 2 internal, 2 rear	
<b>Ears</b>	HPE Quick Release Ears	

**NOTE:** 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 Hewlett Packard Enterprise approved configurator.

Contact your local sales representative for information on configurable product offerings and requirements.

**NOTE:** Factory Integrated Models must start with a CTO Server.

**NOTE:** FIO indicates that this option is only available as a factory installable option.

**NOTE:** All Factory Integrated Models will be populated with sufficient hard drive blanks based on the number of initial hard drives ordered with server.

**NOTE:** 4LFF CTO Chassis includes 1 SATA Cable, option kit: 766213-B21, which attaches to the B140i controller.

**NOTE:** 8SFF CTO Chassis includes two 4 x Mini-SAS Cables, option kit: 766209-B21, which attaches to an optional HPE Smart HBA H240ar or HPE Smart Array P440ar controller.

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

**HPE Processors** Select one or two processors from Core Options-Processor section below.





- If one processor is desired, select one xxxxxx-L21
- If two processors are desired, select one xxxxxx-L21 and one xxxxxx-B21.
- Up to 2 processors supported. Mixing different processor models is not supported.
- DDR4 speed is the maximum memory speed of the processor. Actual memory speed may depend on the quantity and type of DIMMs installed.

## Configuration Information - Factory Integrated Models

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

Select one or more memory from Core Options-Memory section below.

-  UDIMM, RDIMM, and LRDIMM are all distinct memory technologies and cannot be mixed within a server.
-  HPE memory options from previous generation servers are not qualified or warranted with Hewlett Packard Enterprise Gen9 systems. HPE SmartMemory is required to realize the memory performance improvements and enhanced functionality listed in this document for Gen9.
-  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.
-  Depending on the memory configuration and processor model, the memory speed may run at 2400MHz, 2133MHz, 1866MHz or 1600MHz. Please see Memory Population Table or the Online Memory Configuration Tool at: <http://www.hpe.com/go/ddr4config>

### HPE Power Supplies



Select one or more power supplies from Core Options-Power Supplies section below.

-  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. The HPE Power Advisor is located at: <http://www.hpe.com/info/hppoweradvisor>.
-  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.

## Step 3: Choose Additional Factory Integratable Options



### HPE Unique Options

Select one or more Unique options from Core Options section below.

-  This section may contain FIO options, please see the Unique options section below.
-  FIO indicates that this option is only available as a factory installable option.

### HPE Drives


Select one or more drives from Core Options-HPE Drives section below.

-  The components of a storage subsystem (e.g. the drive, the HBA/controller, firmware, and the server backplane) should operate at the same data transfer rate or the system bandwidth will be negotiated down to an acceptable level for all components.
-  Hard drives have either a one year or three year warranty; refer to the specific hard drive QuickSpecs for details.



The HPE ProLiant Gen9 Smart Storage solutions are equipped with re-designed Small Form Factor (SFF 2.5 in) and Large Form Factor (LFF 3.5 in) hot plug carriers for HPE Qualified Hard Drives and Solid State Drives. These new carriers provide status and activity indicators as well as caution indicators for "Do Not Remove."

### HPE FlexibleLOM

Select a FlexibleLOM from Core Options-Networking section below.




-  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.

## Configuration Information - Factory Integrated Models

-  For 10Gb adapters, a minimum of two Gigabytes (2 GB) of server memory is required per each adapter.
-  Please see the QuickSpecs for Technical Specifications and additional information: <http://www.hpe.com/servers/ProLiantNICs>.




### HPE Networking

Select a standup NIC adapter from Core Options-Networking section below.

-  Please see the QuickSpecs for Technical Specifications and additional information: <http://www.hpe.com/go/ProLiantNICs>.
-  These options are upgradeable and can be changed from the original configuration after the server is shipped.
-  For 10Gb adapters, a minimum of two Gigabytes (2 GB) of server memory is required per each adapter.



### HPE Storage Controllers

Select one or more Storage options from Additional Options section below.

-  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.
-  This section may contain FIO options, please see HPE Storage Controllers section below.
-  FIO indicates that this option is only available as a factory installable option.



### HPE Graphics Options

Select one or more graphics adapters from Additional Options section below.

-  Please see the HPE Power Advisor for estimated power consumption of your individual system configuration prior to installing GPUs. The HPE Power Advisor is located at: <http://www.hpe.com/info/hppoweradvisor>.
-  This section may contain FIO options, please see HPE Computation & Graphics Accelerators section below.

### HPE I/O Expansion Options



Select one or more Riser Kit options from Core Options section below.

-  To take advantage of the additional PCI slot upgrade, the second processor must be installed.
-  This section may contain FIO options, please see HPE I/O Expansion Options section below.

FIO indicates that this option is only available as a factory installable option.




### HPE Cooling Options

Select one or more Fan Kits from Core Options section below.

-  This section may contain FIO options, please see HPE Cooling Options section below.
-  FIO indicates that this option is only available as a factory installable option.

### HPE Rail Kits

Select one type of rail kit from Additional Options section below.

-  Please take a moment to review the installation documentation that comes with the server to help you with the installation of your Gen9 server.
-  To assist in the installation of the server into the rack, an optional installation tool is available by contacting your local services representative (p/n 695539-001).
-  See Hewlett Packard Enterprise Rack Options in Additional Options section of this QuickSpecs for more rack kit choices.

## Configuration Information - Factory Integrated Models

**CAUTION:** Hewlett Packard Enterprise recommends that a minimum of two people are required for all Rack Server installations. Please refer to your installation instructions for proper tools and number of people to use for any installation.

## 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 Hewlett Packard Enterprise approved configurator. Contact your local sales representative for additional information.

<b>HPE Unique Options</b>	<p>HP DL360 Gen9 2SFF SAS/SATA Universal Media Bay Kit <span style="float: right;">764630-B21</span></p> <p><b>NOTE:</b> Required when upgrading from an 8SFF config to a 10SFF config. This option kit is not supported on the 4LFF Chassis. This option kit cannot be used with the DVD-ROM or DVD-RW Universal Media Bay option kits. <b>NOTE:</b> This kit contains a cable to attach the 2 drives to the internal B140i SATA controller. For SAS, an alternate storage controller and its associated cable kit are required.</p>
	<p>HP DL360 Gen9 SFF DVD-RW/USB Universal Media Bay Kit <span style="float: right;">764632-B21</span></p> <p><b>NOTE:</b> DVD-RW, USB 2.0 and VGA included. This option kit cannot be used with the 2 SFF SAS/SATA option kit (764630-B21).</p>
	<p>HP DL360 Gen9 SFF DVD/USB Universal Media Bay Kit <span style="float: right;">818213-B21</span></p> <p><b>NOTE:</b> DVD ROM, USB 2.0 and VGA included. This option kit cannot be used with the 2 SFF SAS/SATA option kit (764630-B21).</p>
	<p>HP DL360 Gen9 SFF USB/VGA Universal Media Bay Kit <span style="float: right;">764634-B21</span></p> <p><b>NOTE:</b> Adds front VGA and USB 2.0 ports to SFF chassis. This option kit cannot be used with the 2 SFF SAS/SATA option kit (764630-B21).</p>
	<p>HP DL360 Gen9 LFF USB/VGA Kit <span style="float: right;">764638-B21</span></p> <p><b>NOTE:</b> Adds front VGA and USB 2.0 ports to LFF chassis. This option kit cannot be used with the 2 SFF SAS/SATA Option Kit (764630-B21).</p>
	<p>HP DL360 Gen9 High Performance Heat Sink Kit <span style="float: right;">795235-B21</span></p> <p><b>NOTE:</b> These are included in some higher Watt processors (see processor section), but may also be added to lower power processors to reduce fan power consumption.</p>
	<p>HP DL360 Gen9 Rear Serial Port and Enablement Kit <span style="float: right;">764646-B21</span></p>
	<p>HP DL360 Gen9 Location Discovery Services Ear Kit <span style="float: right;">764757-B21</span></p> <p><b>NOTE:</b> Requires ProLiant Location Discovery Services Infrastructure within server racks.</p>
	<p>HP DL360 Gen9 SFF Systems Insight Display Kit <span style="float: right;">764636-B21</span></p> <p><b>NOTE:</b> Adds a System Insight Display for improved diagnosis capabilities on an 8FF or 10SFF model.</p>
	<p>HP DL360 Gen9 LFF Systems Insight Display Kit <span style="float: right;">764640-B21</span></p> <p><b>NOTE:</b> Adds a System Insight Display for improved diagnosis capabilities on a 4LFF model.</p>
	<p>HP DL360 Gen9 NVMe 2 Solid State Drive Express Bay Enablement Kit <span style="float: right;">764628-B21</span></p> <p><b>NOTE:</b> This option provides support for up to 2 NVMe SFF drives. This option cannot be used with the Universal Media Bay Kit. <b>NOTE:</b> The HPE DL360 Gen9 High Performance Fan Kit (766201-B21) will be required with this option. <b>NOTE:</b> The PCIe card in this enablement kit can only be populated in slot1 of primary riser or in slot3 of secondary optional FH riser.</p>
	<p>HP DL360 Gen9 6 NVMe + 4 SAS/SATA Express Bay Enablement Kit <span style="float: right;">817676-B21</span></p> <p><b>NOTE:</b> This option kit provides support for up to 6 NVMe drives (drives 5-10).</p>

## Core Options

**NOTE:** The PCIe card in this enablement kit can only be populated in slot1 of primary riser.

HPE Legacy FIO Mode Setting 

758959-B22

**NOTE:**  UEFI is the default, this FIO part can be used for CTO to enable Legacy mode. 

## HPE Processors

## E5-2600v4 series Processors

HPE DL360 Gen9 Intel® Xeon® E5-2630Lv4 (1.8GHz/10-core/25MB/55W) Processor Kit	818164-B21
HPE DL360 Gen9 Intel® Xeon® E5-2630Lv4 (1.8GHz/10-core/25MB/55W) FIO Processor Kit	818164-L21
HPE DL360 Gen9 Intel® Xeon® E5-2650Lv4 (1.7GHz/14-core/35MB/65W) Processor Kit	818166-B21
HPE DL360 Gen9 Intel® Xeon® E5-2650Lv4 (1.7GHz/14-core/35MB/65W) FIO Processor Kit	818166-L21
HPE DL360 Gen9 Intel® Xeon® E5-2603v4 (1.7GHz/6-core/15MB/85W) Processor Kit	818168-B21
<b>NOTE:</b> This processor does not support Hyper-Threading.	
HPE DL360 Gen9 Intel® Xeon® E5-2603v4 (1.7GHz/6-core/15MB/85W) FIO Processor Kit	818168-L21
<b>NOTE:</b> This processor does not support Hyper-Threading.	
HPE DL360 Gen9 Intel® Xeon® E5-2609v4 (1.7GHz/8-core/20MB/85W) Processor Kit	818170-B21
<b>NOTE:</b> This processor does not support Hyper-Threading.	
HPE DL360 Gen9 Intel® Xeon® E5-2609v4 (1.7GHz/8-core/20MB/85W) FIO Processor Kit	818170-L21
<b>NOTE:</b> This processor does not support Hyper-Threading.	
HPE DL360 Gen9 Intel® Xeon® E5-2620v4 (2.1GHz/8-core/20MB/85W) Processor Kit	818172-B21
HPE DL360 Gen9 Intel® Xeon® E5-2620v4 (2.1GHz/8-core/20MB/85W) FIO Processor Kit	818172-L21
HPE DL360 Gen9 Intel® Xeon® E5-2623v4 (2.6GHz/4-core/10MB/85W) Processor Kit	818190-B21
HPE DL360 Gen9 Intel® Xeon® E5-2623v4 (2.6GHz/4-core/10MB/85W) FIO Processor Kit	818190-L21
HPE DL360 Gen9 Intel® Xeon® E5-2637v4 (3.5GHz/4-core/15MB/135W) Processor Kit	818192-B21
HPE DL360 Gen9 Intel® Xeon® E5-2637v4 (3.5GHz/4-core/15MB/135W) FIO Processor Kit	818192-L21
HPE DL360 Gen9 Intel® Xeon® E5-2643v4 (3.4GHz/6-core/20MB/135W) Processor Kit	818194-B21
HPE DL360 Gen9 Intel® Xeon® E5-2643v4 (3.4GHz/6-core/20MB/135W) FIO Processor Kit	818194-L21
HPE DL360 Gen9 Intel® Xeon® E5-2640v4 (2.4GHz/10-core/25MB/90W) Processor Kit	818176-B21
HPE DL360 Gen9 Intel® Xeon® E5-2640v4 (2.4GHz/10-core/25MB/90W) FIO Processor Kit	818176-L21
HPE DL360 Gen9 Intel® Xeon® E5-2650v4 (2.2GHz/12-core/30MB/105W) Processor Kit	818178-B21
HPE DL360 Gen9 Intel® Xeon® E5-2650v4 (2.2GHz/12-core/30MB/105W) FIO Processor Kit	818178-L21
HPE DL360 Gen9 Intel® Xeon® E5-2660v4 (2.0GHz/14-core/35MB/105W) Processor Kit	818180-B21
HPE DL360 Gen9 Intel® Xeon® E5-2660v4 (2.0GHz/14-core/35MB/105W) FIO Processor Kit	818180-L21
HPE DL360 Gen9 Intel® Xeon® E5-2697Av4 (2.6GHz/16-core/40MB/145W) Processor Kit	818182-B21
HPE DL360 Gen9 Intel® Xeon® E5-2697Av4 (2.6GHz/16-core/40MB/145W) FIO Processor Kit	818182-L21
HPE DL360 Gen9 Intel® Xeon® E5-2680v4 (2.4GHz/14-core/35MB/120W) Processor Kit	818184-B21



## Core Options

HPE DL360 Gen9 Intel® Xeon® E5-2680v4 (2.4GHz/14-core/35MB/120W) FIO Processor Kit	818184-L21
HPE DL360 Gen9 Intel® Xeon® E5-2690v4 (2.6GHz/14-core/35MB/135W) Processor Kit	818186-B21
HPE DL360 Gen9 Intel® Xeon® E5-2690v4 (2.6GHz/14-core/35MB/135W) FIO Processor Kit	818186-L21
HPE DL360 Gen9 Intel® Xeon® E5-2687Wv4 (3.0GHz/12-core/30MB/160W) Processor Kit	818188-B21
HPE DL360 Gen9 Intel® Xeon® E5-2687Wv4 (3.0GHz/12-core/30MB/160W) FIO Processor Kit	818188-L21
HPE DL360 Gen9 Intel® Xeon® E5-2667v4 (3.2GHz/8-core/25MB/135W) Processor Kit	818196-B21
HPE DL360 Gen9 Intel® Xeon® E5-2667v4 (3.2GHz/8-core/25MB/135W) FIO Processor Kit	818196-L21
HPE DL360 Gen9 Intel® Xeon® E5-2683v4 (2.1GHz/16-core/40MB/120W) Processor Kit	818198-B21
HPE DL360 Gen9 Intel® Xeon® E5-2683v4 (2.1GHz/16-core/40MB/120W) FIO Processor Kit	818198-L21
HPE DL360 Gen9 Intel® Xeon® E5-2695v4 (2.1GHz/18-core/45MB/120W) Processor Kit	818200-B21
HPE DL360 Gen9 Intel® Xeon® E5-2695v4 (2.1GHz/18-core/45MB/120W) FIO Processor Kit	818200-L21
HPE DL360 Gen9 Intel® Xeon® E5-2697v4 (2.3GHz/18-core/45MB/145W) Processor Kit	818202-B21
HPE DL360 Gen9 Intel® Xeon® E5-2697v4 (2.3GHz/18-core/45MB/145W) FIO Processor Kit	818202-L21
HPE DL360 Gen9 Intel® Xeon® E5-2698v4 (2.2GHz/20-core/50MB/135W) Processor Kit	818204-B21
HPE DL360 Gen9 Intel® Xeon® E5-2698v4 (2.2GHz/20-core/50MB/135W) FIO Processor Kit	818204-L21
HPE DL360 Gen9 Intel® Xeon® E5-2699v4 (2.2GHz/22-core/55MB/145W) Processor Kit	818206-B21
HPE DL360 Gen9 Intel® Xeon® E5-2699v4 (2.2GHz/22-core/55MB/145W) FIO Processor Kit	818206-L21
HPE DL360 Gen9 Intel® Xeon® E5-2630v4 (2.2GHz/10-core/25MB/85W) Processor Kit	818174-B21
HPE DL360 Gen9 Intel® Xeon® E5-2630v4 (2.2GHz/10-core/25MB/85W) FIO Processor Kit	818174-L21
HPE DL360 Gen9 Intel® Xeon® E5-2699Av4 (2.4GHz/22-core/55MB/145W) Processor Kit	871580-B21
HPE DL360 Gen9 Intel® Xeon® E5-2699Av4 (2.4GHz/22-core/55MB/145W) FIO Processor Kit	871580-L21
<b>E5-2600v3 series Processors</b>	
HPE DL360 Gen9 Intel® Xeon® E5-2603v3 (1.6GHz/6-core/15MB/85W) Processor Kit	755374-B21
<b>NOTE:</b> This processor does not support Hyper-Threading.	
HPE DL360 Gen9 Intel® Xeon® E5-2603v3 (1.6GHz/6-core/15MB/85W) FIO Processor Kit	755374-L21
<b>NOTE:</b> This processor does not support Hyper-Threading.	
HPE DL360 Gen9 Intel® Xeon® E5-2609v3 (1.9GHz/6-core/15MB/85W) Processor Kit	755378-B21
<b>NOTE:</b> This processor does not support Hyper-Threading.	
HPE DL360 Gen9 Intel® Xeon® E5-2609v3 (1.9GHz/6-core/15MB/85W) FIO Processor Kit	755378-L21
<b>NOTE:</b> This processor does not support Hyper-Threading.	
HPE DL360 Gen9 Intel® Xeon® E5-2623v3 (3GHz/4-core/10MB/105W) Processor Kit	755376-B21
HPE DL360 Gen9 Intel® Xeon® E5-2623v3 (3GHz/4-core/10MB/105W) FIO Processor Kit	755376-L21
HPE DL360 Gen9 Intel® Xeon® E5-2620v3 (2.4GHz/6-core/15MB/85W) Processor Kit	755382-B21

## Core Options

HPE DL360 Gen9 Intel® Xeon® E5-2620v3 (2.4GHz/6-core/15MB/85W) FIO Processor Kit	755382-L21
HPE DL360 Gen9 Intel® Xeon® E5-2630v3 (2.4GHz/8-core/20MB/85W) Processor Kit	755384-B21
HPE DL360 Gen9 Intel® Xeon® E5-2630v3 (2.4GHz/8-core/20MB/85W) FIO Processor Kit	755384-L21
HPE DL360 Gen9 Intel® Xeon® E5-2640v3 (2.6GHz/8-core/20MB/90W) Processor Kit	755386-B21
HPE DL360 Gen9 Intel® Xeon® E5-2640v3 (2.6GHz/8-core/20MB/90W) FIO Processor Kit	755386-L21
HPE DL360 Gen9 Intel® Xeon® E5-2637v3 (3.5GHz/4-core/15MB/135W) Processor Kit	755404-B21
HPE DL360 Gen9 Intel® Xeon® E5-2637v3 (3.5GHz/4-core/15MB/135W) FIO Processor Kit	755404-L21
HPE DL360 Gen9 Intel® Xeon® E5-2630Lv3 (1.8GHz/8-core/20MB/55W) Processor Kit	764097-B21
HPE DL360 Gen9 Intel® Xeon® E5-2630Lv3 (1.8GHz/8-core/20MB/55W) FIO Processor Kit	764097-L21
HPE DL360 Gen9 Intel® Xeon® E5-2650v3 (2.3GHz/10-core/25MB/105W) Processor Kit	755388-B21
HPE DL360 Gen9 Intel® Xeon® E5-2650v3 (2.3GHz/10-core/25MB/105W) FIO Processor Kit	755388-L21
HPE DL360 Gen9 Intel® Xeon® E5-2660v3 (2.6GHz/10-core/25MB/105W) Processor Kit	755390-B21
HPE DL360 Gen9 Intel® Xeon® E5-2660v3 (2.6GHz/10-core/25MB/105W) FIO Processor Kit	755390-L21
HPE DL360 Gen9 Intel® Xeon® E5-2670v3 (2.3GHz/12-core/30MB/120W) Processor Kit	755392-B21
HPE DL360 Gen9 Intel® Xeon® E5-2670v3 (2.3GHz/12-core/30MB/120W) FIO Processor Kit	755392-L21
HPE DL360 Gen9 Intel® Xeon® E5-2680v3 (2.5GHz/12-core/30MB/120W) Processor Kit	755394-B21
HPE DL360 Gen9 Intel® Xeon® E5-2680v3 (2.5GHz/12-core/30MB/120W) FIO Processor Kit	755394-L21
HPE DL360 Gen9 Intel® Xeon® E5-2690v3 (2.6GHz/12-core/30MB/135W) Processor Kit	755396-B21
HPE DL360 Gen9 Intel® Xeon® E5-2690v3 (2.6GHz/12-core/30MB/135W) FIO Processor Kit	755396-L21
HPE DL360 Gen9 Intel® Xeon® E5-2683v3 (2GHz/14-core/35MB/120W) Processor Kit	755398-B21
HPE DL360 Gen9 Intel® Xeon® E5-2683v3 (2GHz/14-core/35MB/120W) FIO Processor Kit	755398-L21
HPE DL360 Gen9 Intel® Xeon® E5-2695v3 (2.3GHz/14-core/35MB/120W) Processor Kit	755400-B21
HPE DL360 Gen9 Intel® Xeon® E5-2695v3 (2.3GHz/14-core/35MB/120W) FIO Processor Kit	755400-L21
HPE DL360 Gen9 Intel® Xeon® E5-2697v3 (2.6GHz/14-core/35MB/145W) Processor Kit	755402-B21
HPE DL360 Gen9 Intel® Xeon® E5-2697v3 (2.6GHz/14-core/35MB/145W) FIO Processor Kit	755402-L21
HPE DL360 Gen9 Intel® Xeon® E5-2643v3 (3.4GHz/6-core/20MB/135W) Processor Kit	755406-B21
HPE DL360 Gen9 Intel® Xeon® E5-2643v3 (3.4GHz/6-core/20MB/135W) FIO Processor Kit	755406-L21
HPE DL360 Gen9 Intel® Xeon® E5-2667v3 (3.2GHz/8-core/20MB/135W) Processor Kit	755408-B21
HPE DL360 Gen9 Intel® Xeon® E5-2667v3 (3.2GHz/8-core/20MB/135W) FIO Processor Kit	755408-L21
HPE DL360 Gen9 Intel® Xeon® E5-2687Wv3 (3.1GHz/10-core/25MB/160W) Processor Kit	755410-B21
HPE DL360 Gen9 Intel® Xeon® E5-2687Wv3 (3.1GHz/10-core/25MB/160W) FIO Processor Kit	755410-L21
HPE DL360 Gen9 Intel® Xeon® E5-2698v3 (2.3GHz/16-core/40MB/135W) Processor Kit	764099-B21

## Core Options

HPE DL360 Gen9 Intel® Xeon® E5-2698v3 (2.3GHz/16-core/40MB/135W) FIO Processor Kit	764099-L21
HPE DL360 Gen9 Intel® Xeon® E5-2650Lv3 (1.8GHz/12-core/30MB/65W) Processor Kit	764101-B21
HPE DL360 Gen9 Intel® Xeon® E5-2650Lv3 (1.8GHz/12-core/30MB/65W) FIO Processor Kit	764101-L21
HPE DL360 Gen9 Intel® Xeon® E5-2699v3 (2.3GHz/18-core/45MB/145W) Processor Kit	780003-B21
HPE DL360 Gen9 Intel® Xeon® E5-2699v3 (2.3GHz/18-core/45MB/145W) FIO Processor Kit	780003-L21

**NOTE:** Mixing of E5-2600 v3 and E5-2600 v4 processors is not supported.

**NOTE:** All processors support Hyper-Threading [E5-2609 v4/v3](#) and [E5-2603 v4/v3](#).

**NOTE:** Processors consuming up to 120w ship with standard heat sink.

**NOTE:** Processors consuming over 120w ships with a High Performance heat sink as standard.

**NOTE:** A High Performance heat sink can be added to help reduce power consumption ([795235-B21](#)).

## HPE Memory

### Registered DIMMs (RDIMMs) for E5-2600v4 Series

HP 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
HP 16GB (1x16GB) Single Rank x4 DDR4-2400 CAS-17-17-17 Registered Memory Kit	805349-B21
HP 8GB (1x8GB) Single Rank x8 DDR4-2400 CAS-17-17-17 Registered Memory Kit	805347-B21

### Load Reduced DIMMs (LRDIMMs) for E5-2600v4 Series

HPE 128GB (1x128GB) Octal Rank x4 DDR4-2400 CAS-20-18-18 Load Reduced Memory Kit	809208-B21
<b>NOTE:</b> 128GB DIMMs cannot be mixed with any other size DIMMs.	
HPE 64GB (1x64GB) Quad Rank x4 DDR4-2400 CAS-17-17-17 Load Reduced Memory Kit	805358-B21
HPE 32GB (1x32GB) Dual Rank x4 DDR4-2400 CAS-17-17-17 Load Reduced Memory Kit	805353-B21

### Registered DIMMs (RDIMMs) for E5-2600v3 Series

HP 32GB (1x32GB) Dual Rank x4 DDR4-2133 CAS-15-15-15 Registered Memory Kit	728629-B21
HP 16GB (1x16GB) Dual Rank x4 DDR4-2133 CAS-15-15-15 Registered Memory Kit	726719-B21
HP 8GB (1x8GB) Single Rank x4 DDR4-2133 CAS-15-15-15 Registered Memory Kit	726718-B21
HP 8GB (1x8GB) Dual Rank x8 DDR4-2133 CAS-15-15-15 Registered Memory Kit	759934-B21
HP 4GB (1x4GB) Single Rank x8 DDR4-2133 CAS-15-15-15 Registered Memory Kit	726717-B21

### Load Reduced DIMMs (LRDIMMs) for E5-2600v3 Series

HP 64GB (1x64GB) Quad Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit	726724-B21
HP 32GB (1x32GB) Quad Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit	726722-B21
HP 16GB (1x16GB) Dual Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit	726720-B21

**NOTE:** Memory speeds will vary by processor model, please see memory section of QuickSpecs.

### 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
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**NOTE:** A maximum of 16 NVDIMMs can be supported. NVDIMMs cannot be used with LRDIMMs.

**NOTE:** NVDIMMs only supported on factory configured servers with E5-2600 v4 processors, not supported on servers upgraded from E5-2600 v3 to E5-2600 v4 processors.

## Core Options

<b>HPE Optical Drives</b>	HPE 9.5mm SATA DVD-ROM JackBlack Gen9 Optical Drive	726536-B21
	<b>NOTE: Supported only with the 4LFF Models &amp; requires cable kit 766203-B21.</b>	
	HPE 9.5mm SATA DVD-RW JackBlack G9 Optical Drive	726537-B21
	<b>NOTE: Supported only with the 4LFF Models &amp; requires cable kit 766203-B21.</b>	
	HPE DL360 Gen9 LFF Optical Cable	766203-B21
	HP DL360 Gen9 SFF DVD/USB Universal Media Bay Kit	818213-B21
	<b>NOTE: Front DVD ROM, USB 2.0, and VGA and optical cable.</b>	
	HP DL360 Gen9 SFF DVD-RW/USB Universal Media Bay Kit	764632-B21
	<b>NOTE: Front DVD-RW, USB 2.0 and VGA, and optical cable.</b>	
	HPE Mobile USB Non Ledged System DVD RW Drive	701498-B21
	<b>NOTE: This is only supported on USB 3.0 ports.</b>	

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<b>HPE Drives</b>	<b>12G SAS 10K Hot Plug SFF (2.5-inch) SC Enterprise Hard Drives - 3yr Warranty</b>	
	HPE 1.2TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty HDD	781518-B21
	HPE 900GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty HDD	785069-B21
	HPE 600GB SAS 12G Enterprise 10K SFF (2.5in ) SC 3yr Wty HDD	781516-B21
	HPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty HDD	785067-B21
	<b>12G SAS 10K Hot Plug SFF (2.5-inch) SC Hard Drives - 3yr Warranty</b>	
	HPE 2.4TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty 512e Digitally Signed Firmware HDD	881457-B21
	HPE 1.2TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD	872479-B21
	HPE 600GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD	872477-B21
	HPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD	872475-B21
	<b>12G SAS 15K Hot Plug SFF (2.5-inch) SC Hard Drives - 3yr Warranty</b>	
	HPE 600GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty HDD	759212-B21
	HPE 450GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty HDD	759210-B21
	HPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty HDD	759208-B21
	<b>12G SAS 15K Hot Plug SFF (2.5-inch) SC Hard Drives - 3yr Warranty</b>	
	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 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD	870753-B21
	<b>12G SAS 7.2K Hot Plug SFF (2.5-inch) SC Midline Hard Drives - 1yr Warranty</b>	
	HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD	832514-B21
	<b>12G SAS 7.2K Hot Plug SFF (2.5-inch) SC 512e Hard Drives - 1yr Warranty</b>	
	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 512e Digitally Signed Firmware HDD	765464-B21
	<b>12G SAS 10K Hot Plug SFF (2.5-inch) SC 512e Hard Drives - 1yr Warranty</b>	
	HPE 1.8TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty 512e Digitally Signed Firmware HDD	872481-B21

## Core Options

HPE 1.8TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty 512e HDD	791034-B21
<b>12G SAS 15K Hot Plug SFF (2.5-inch) SC 512e Hard Drives - 1yr Warranty</b>	
HPE 600GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty 512e Digitally Signed Firmware HDD	870763-B21
HPE 900GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty 512e Digitally Signed Firmware HDD	870765-B21
HPE 600GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty 512e HDD	748387-B21
<b>12G SAS Hot Plug LFF (3.5-inch) SC 512e Hard Drives- 3yr Warranty</b>	
HPE 10TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed Firmware HDD	857644-B21
HPE 8TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed Firmware HDD	861590-B21
HPE 8TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD	819201-B21
HPE 6TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDD	861754-B21
HPE 4TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDD	861756-B21
<b>12G SAS Hot Plug LFF (3.5-inch) SC Enterprise Hard Drives - 3yr Warranty</b>	
HPE 600GB SAS 12G Enterprise 15K LFF (3.5in) SC 3yr Wty HDD	765424-B21
HPE 450GB SAS 12G Enterprise 15K LFF (3.5in) SCC 3yr Wty HDD	737394-B21
HPE 300GB SAS 12G Enterprise 15K LFF (3.5in) SCC 3yr Wty HDD	737261-B21
<b>12G SAS Hot Plug LFF (3.5-inch) SC Midline Hard Drives - 1yr Warranty</b>	
HPE 6TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	846514-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 HDD	818367-B21
HPE 3TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	846528-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 HDD	818365-B21
HPE 1TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	846524-B21
<b>SSD Selection</b>	
To streamline the configuration process for HPE ProLiant Gen9 servers and to provide the best product availability, HPE recommends SSDs from the list located here: <a href="http://www.hpe.com/products/recommend">http://www.hpe.com/products/recommend</a> .	
<b>12G SAS Hot Plug SFF (2.5-inch) Write Intensive Solid State Drives - 3yr Warranty</b>	
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
<b>12G SAS Hot Plug SFF (2.5-inch) SC Read Intensive Solid State Drives - 3yr Warranty</b>	
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	872394-B21
HPE 3.84TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	875330-B21
HPE 1.92TB SAS 12G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	872392-B21

## Core Options

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
<b>12G SAS Hot Plug SFF (2.5-inch) SC Mixed Use-3 Solid State Drives - 3yr Warranty</b>	
HPE 3.2TB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	873367-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
<b>12G SAS Hot Plug SFF (3.5-inch) SC Mixed Use-3 Solid State Drives - 3yr Warranty</b>	
HPE 800GB SAS 12G Mixed Use LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	872378-B21
<b>6G SATA Hot Plug SFF (2.5 inch) SC Midline Hard Drives - 1yr Warranty</b>	
HPE 1TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD	655710-B21
<b>6G SATA Hot Plug SFF (2.5-inch) SC 512e Hard Drives - 1yr Warranty</b>	
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 512e HDD	861752-B21
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 512e Digitally Signed Firmware HDD	765453-B21
<b>6G SATA Hot Plug LFF (3.5-inch) SC 512e Hard Drives - 1yr Warranty</b>	
HPE 10TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed Firmware HDD	857648-B21
HPE 8TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed Firmware HDD	861594-B21
HPE 8TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD	819203-B21
<b>6G SATA Hot Plug LFF (3.5-inch) SC Midline Hard Drives - 1yr Warranty</b>	
HPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	846510-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 HDD	861678-B21
HPE 3TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	861693-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 HDD	861676-B21
HPE 1TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty HDD	861691-B21
<b>6G SATA Hot Plug SFF (2.5-inch) SC DS Read Intensive Solid State Drives - 3yr Warranty</b>	
HPE 3.84TB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	877764-B21