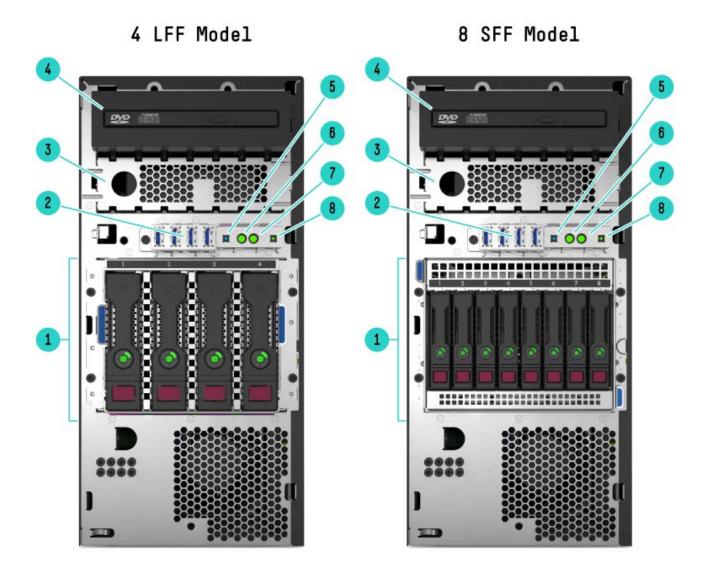
# QuickSpecs

### Overview

### HPE ProLiant ML30 Gen9 Server

HPE ProLiant ML30 Gen9, delivers a full featured single-socket tower server with the right features at a competitive price, easy to use and maintain for growing small businesses and remote branch offices.



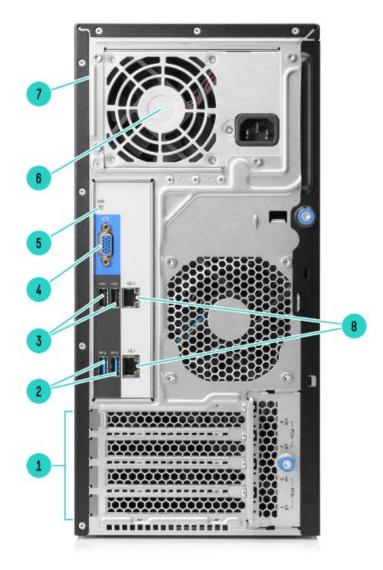
### Front View (details for 4LFF and 8SFF)

- 1. Four (4) LFF or Eight (8) SAS/SATA HDD cage
- 3. Media Drive Blank
- 5. Power On/Standby button and system power LED button
- 7. Health LED

- 2. Four (4) USB 3.0 connectors
- 4. 9.5mm Slim SATA DVD-ROM or DVD RW Optical Drive
- 6. NIC status LED
- 8. UID (unit identification) button/LED

Hewlett Packard Enterprise

### Overview

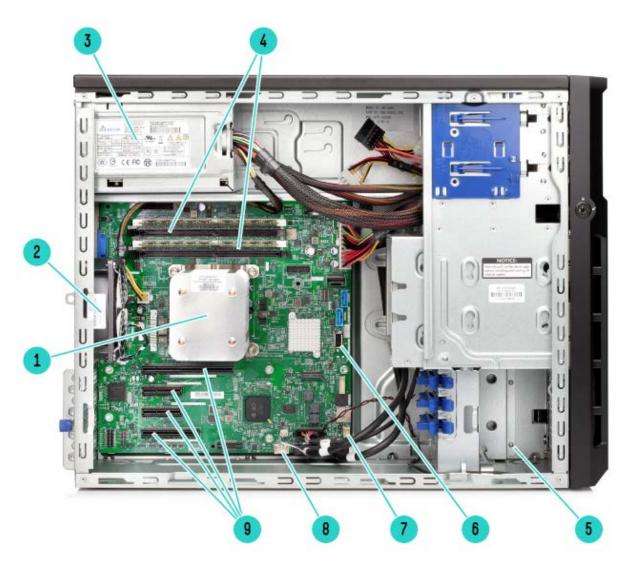


**Rear View** 

- 1. PCI Slots (Slots 1-4)
- 3. USB 2.0 (2)
- 5. UID LED
- 7. HPE 350W Power Supply

- 2. USB 3.0 (2)
- 4. Video Connector
- 6. Power Supply Power Fan
- 8. NIC1/shared iLO port (lower), NIC2 (upper)

### Overview



### **Internal View**

- 1. One (1) processor and heatsink
- 3. Power Supply
- 5. Front PCIe fan (optional)
- 7. Front PCIe fan connector
- 9. Four (4) PCIe expansion slots

- al View
- 2. System Fan
- 4. Four (4) DDR4 DIMM slots
- 6. Two (2) Internal USB 2.0 connectors (USB Type A, Tape Drive Header)
- 8. Smart Storage Battery connector

### What's New

• ClearOS, an easy to use OS with an application marketplace, allows you to build a fully functional server that is just right for you at no upfront cost. To learn more on what you can do, please visit <u>http://www.hpe.com/servers/clearos</u>.

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

Intel<sup>®</sup> Xeon<sup>®</sup> processor E3-1200v5 and E3-1200v6 quad core processor family is designed to deliver the best combination of performance, built-in capabilities, and cost-effectiveness. The product also supports Intel<sup>®</sup> Pentium<sup>®</sup> and Intel<sup>®</sup> Core-i3 dual core processors. Choose one of the following processors based on the model:

processors. Choose on	e of the following proc	cessors based o	on the mod	lel:			
<b>Processor</b> One of the following	Model	CPU frequency	Cores	L3 Cache	Power	DDR4 Hz	
depending on model	G4560	3.5 GHz	2	3MB	54W	2400	
	G4600	3.6 GHz	2	3MB	51W	2400	
	i3-7100	3.9 GHz	2	3MB	51W	2400	
	i3-7300	4.0 GHz	2	3MB	51W	2400	
	E3-1220v6	3.0 GHz	4	8MB	72W	2400	
	E3-1230v6	3.5 GHz	4	8MB	72W	2400	
	E3-1240v6	3.7 GHz	4	8MB	72W	2400	
	E3-1270v6	3.8 GHz	4	8MB	72W	2400	
	E3-1280v6	3.9 GHz	4	8MB	72W	2400	
Cache Memory One of the following depending on model	NOTE: For Quad-co 3MB (1 x 3MB) Lev	<ul> <li>8MB (1 x 8MB) Level 3 cache</li> <li>NOTE: For Quad-core Intel Xeon® processors.</li> <li>3MB (1 x 3MB) Level 3 cache</li> <li>NOTE: For Dual-core Intel Pentium® Core<sup>TM</sup> i3 processors.</li> </ul>					
Chipset	Intel® C236 Chipset <b>NOTE:</b> For more information regarding Intel® chipsets, please see the following URL: <u>http://www.intel.com/products/server/chipsets/</u>						
On System Management Chipset	HPE iLO (Firmware HPE iLO4 2.0 or later) 4GB NAND <b>NOTE:</b> 1GB USB user space configurable via UEFI and accessible via iLO. Read and learn more in the <u>HPE iLO QuickSpecs</u> .						
<b>Memory</b> One of the following depending on model	Type: DDR4 Unbuffered (UDIMM) DIMM Slots Available 4 4 DIMMs (2 Channels/ 2 DIMMs per channel) Maximum Capacity 64GB (4 x 16GB UDIMM @2400MHz) (UDIMM)						
Memory Protection	ECC						
Network Controller	HPE Ethernet 1Gb 2-port NC332i Adapter						

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Expansion Slots						
Expansion Slots #	Technology	Bus Width	Connector Width	Bus Number	Form Factor	Notes
4	PCle 3.0	x16	x16		Full length/full height	
3	PCle 3.0	х1	x4		Full length/full height	
2	PCle 3.0	х1	x4		Full length/full height	
1	PCle 3.0	x4	x8		Half length/full height	

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

<b>Storage Controller</b> One of the following depending on model	Performance Models	HPE Dynamic Smart Array B140i Controller with any standup internal controller. HPE Dynamic Smart Array B140i Controller with any standup internal controller.
Internal Storage	Optical Drives	Optional SATA 9.5mm DVD-ROM Optical Drive
Devices		Optional SATA 9.5mm DVD RW Optical Drive
One of the following depending on model	Hard Drives	None ship standard
depending on model	Hard Drive Bays	4 LFF drive bays (non-hot-plug and hot-plug)
		8 SFF hot-plug drive bays
		<b>NOTE:</b> HPE ProLiant ML30 Series servers offer both SFF and LFF versions in CTO. <b>NOTE:</b> All Pre-configured Models come populated with some hard drive blanks installed. Should the customer need additional hard drive blanks, they can order more using either P/N 666987-B21: HPE SFF HDD Blank Kit or P/N 666986-B21: HPE LFF HDD Blank Kit.

Maximum Internal		CAPACITY	CONFIGURATION
Storage	Hot Plug LFF SAS	48TB	4 x 12TB
One of the following depending on model	Hot Plug SFF SAS	19.2TB	8 x 2.4TB
depending on moder	Hot Plug LFF SATA	48TB	4 x 12TB
	Hot Plug SFF SATA	16TB	8 x 2TB
	Non Hot Plug LFF SATA	16TB	4 x 4TB
	Hot Plug SFF SATA SSD	30.72TB	8 x 3.84TB
	Hot Plug LFF SATA SSD	7.68TB	4 x 1.92GB

#### **Power Supply**

One of the following depending on model

HPE 350W ATX-Gen9 Power Supply FIO Kit

HPE 460W Redundant Power Supply

HPE Entry-Level Power Supplies provide lower-cost options for customers trying to balance their need for enterprise class efficiency and reliability while maintaining lowest possible hardware costs. All Entry-Level power supply options have been designed specifically for HPE ProLiant Gen9 Essential Series servers. The HPE 350W FIO Power Supply is the standard, non-redundant AC power supply option for most HPE ProLiant Gen9 Essential servers. It features Bronze-level (85%) certified power efficiency with a set of features optimized for the Gen9 Essential-series rack and tower servers.

The HPE 460W (Redundant) AC Power Supply can be configured with redundancy enablement kit to support power redundancy in ProLiant ML30 Servers, providing additional protection against power loss. With an 80 Plus Gold power efficiency rating (up to 92%), this power option helps to reduce operating expenses while protecting against trapped power capacity in the data center. All pre-configured servers ship with a standard 6-foot IEC C-13/C-14 jumper cord (AOK02A). 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 Specification and Technical Content for supported power supplies can be found at: https://www.hpe.com/h20195/v2/GetHTML.aspx?docname=c04111541. **Required Cabling Server Power Cords** The ProLiant ML30 server is a tower server that ships standard with a 6 country specific NEMA power cord that allows connection to wall outlets in a home or office. If customers require additional local power cords, they can check the power cord matrix for the appropriate country specific SKU. System Fans Non-redundant Redundant One of the following 1P model system fan One (1) Non-redundant system fan NA depending on model Non-redundant Redundant 1P model PCIe fan One (1) Non-redundant PCIe fan NA Interfaces Video 1 (rear) Network RJ-45 (Ethernet) 2 (1 shared for HPE Integrated Lights-Out) Micro SD Slot 1 (internal) NOTE: The Micro-SD slot is not a hot-pluggable device. Customers should not attempt to plug a Micro-SD card into the Micro-SD slot while the server is powered. USB 3.0 6 (4 front, 2 rear) USB 2.0 4 (2 rear, 1 internal standard USB, 1 internal USB header) **Operating Systems Microsoft Windows Server** and Virtualization Red Hat Enterprise Linux (RHEL) Software Support for SUSE Linux Enterprise Server (SLES) ProLiant Servers VMware **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. For more information on ClearOS, please visit http://www.hpe.com/servers/clearos. NOTE: VMWare availability is dependent on General availability from the vendor. HPE ProLiant ML30 supports VMWare 5.5 U3 and 6.0 U1. NOTE: For more information on HPE's Certified and Supported ProLiant Servers for OS and Virtualization Software and latest listing of software drivers available for your server, please visit our Support Matrix at: http://www.hpe.com/info/ossupport and our driver download page.

Upgradeability	Upgradeable to 4 cores NOTE: Total 2 or 4 cores. Up to 4 DIMM slots available for higher memory capacity Up to 8 SFF Hard Drive Bays; or 4 LFF Hard Drive Bays All PCIe 3.0 I/O slots for additional communications and storage expansion Redundant Power Supply Optical Drive Bay NOTE: Up to 2.
Industry Standard Compliance	ACPI 2.0b Compliant PCIe 3.0 Compliant PXE Support WOL Support Microsoft® Logo certifications USB 2.0 /3.0 Support
Graphics	Integrated Matrox G200 video standard • 1280 x 1024 (32 bpp) • 1920 x 1200 (16 bpp) HPE iLO 4 On System Management Memory • 16 MB Flash • 256 MB DDR 3 with ECC (112 MB after ECC and video) HPE NVIDIA Quadro M2000 GPU Module
HPE Server UEFI/Legacy ROM	<ul> <li>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.</li> <li>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.</li> <li>UEFI enables numerous new capabilities specific to HPE ProLiant servers such as: <ul> <li>Secure Boot</li> <li>Operating system specific functionality</li> <li>Support for &gt; 2.2 TB (using GPT) boot drives</li> <li>USB 3.0 Stack</li> <li>Embedded UEFI Shell</li> <li>Mass Configuration Deployment Tool using RESTful API for iLO 4</li> <li>PXE boot support for IPv6 networks</li> <li>Boot support for option cards that only support a UEFI option ROM</li> <li>Network Stack configurations</li> </ul> </li> <li>NOTE: For UEFI Boot Mode, boot environment and OS image installations should be configured properly to support UEFI.</li> <li>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.</li> </ul>

<b>Form Factor</b> One of the following depending on model	Micro ATX Tower (4U) chassis with feet/bezel: 14.5" (36.82cm) Height x 6.89" (17.5cm) Width x 18.71" (47.52cm) Length			
	8 SFF Drive Bay C	age: 4.6" (11.74cm) Height x 5.74" (14.57cm) Width x 4.79" (12.15cm) Length		
	4 LFF Drive Bay C	Cage: 4.6" (11.72cm) Height x 5.74" (14.57cm) Width x 6.90" (17.54cm) Length		
Embedded Management	HPE Integrated Lights-Out (HPE iLO)	Monitor your servers for ongoing management, service alerting, reporting and remote management with HPE iLO. Learn more at <u>http://www.hpe.com/info/ilo</u> .		
	UEFI	Configure and boot your servers securely with industry standard Unified Extensible Firmware Interface (UEFI). Learn more at <b><u>http://www.hpe.com/servers/uefi</u></b> .		
	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. Learn more at <b>http://www.hpe.com/info/restfulapi</b> .		
	Intelligent Provisioning	Hassle free server and OS provisioning for 1 or few servers with Intelligent Provisioning. Learn more at <b>http://www.hpe.com/servers/intelligentprovisioning</b> .		
	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. Learn more at <u>http://www.hpe.com/info/insightonline/explore</u> .		
Server utilities	Smart Update	Optimize firmware and driver updates with Smart Update solutions including Smart Update Manager (SUM) and Service Pack for ProLiant (SPP). Learn more at <b>http://www.hpe.com/servers/smartupdatemanager</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-HPE servers. HPE SIM also integrates with Smart Update Manager to provide quick and seamless firmware updates. Learn more at <u>http://www.hpe.com/servers/hpsim</u> .		
		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 <u>http://www.hpe.com/servers/proliant/stk</u> or <u>http://www.hpe.com/servers/powershell</u> .		
	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. Learn more at <b>http://www.hpe.com/info/resttool</b> .		
	HPE iLO Mobile Application	Enables the ability to access, deploy, and manage your server anytime from anywhere from select smartphones and mobile devices. For additional information please visit: <u>http://www.hpe.com/info/ilo/mobileapp</u> .		

	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.		
Security	Power-on passwo	rd		
	Setup password			
	Power switch secu	urity		
	Administrator's pa	assword		
	TPM 1.2			
	TPM 2.0			
	UEFI			
Warranty	of HPE Authorized years from date of purchase. Enhance customized service specific hard drive <b>NOTE:</b> Server Wa day response. Wa These parts fall ir and labor charge parts are also des to have Hewlett regarding worldw	vered by a global limited warranty and supported by HPE Services and a worldwide network d Channel Partners resellers. Hardware diagnostic support and repair is available for three of purchase. Support for software and initial setup is available for 90 days from date of rements to warranty services are available through HPE Pointnext operational services or ce agreements. Hard drives have either a one year or three year warranty; refer to the e QuickSpecs for details. arranty includes 3-Year Parts, 1-Year Labor, 1-Year Onsite support with next business arranty repairs may be accomplished through the use of Customer Self Repair (CSR) parts. not two categories: 1) Mandatory CSR parts are designed for easy replacement. A travel e will result when customers decline to replace a Mandatory CSR part; 2) Optional CSR signed for easy replacement but may involve added complexity. Customers may choose Packard Enterprise replace Optional CSR parts at no charge. Additional information vide limited warranty and technical support is available at: <b>vww1.hpe.com/us/en/enterprise/servers/warranty/</b> .		

Embedded Management	iLO Essentials	HPE iLO Essentials is the preferred license for small and medium business that offers full remote server management capabilities for small and medium business via the Integrated Remote Console (IRC), virtual media, and e-mail based alerts. Learn more about HPE iLO Essentials at <u>http://www.hpe.com/servers/iLO/essentials</u> .
	iLO Scale-Out	HPE iLO Scale-Out is the preferred license built for web hosting, cloud service providers, and high performance computing data centers, managing massive scale out environments for the DL 100 and 10 series servers, not available for ML servers. This license offers sophisticated scripting tools that provides remote access through Text Console via SSH, Dynamic power capping, Email-based Alerting and proactive notifications. For more information, visit <u>http://www.hpe.com/servers/iLO/scale-out</u> .
	iLO Advanced	HPE iLO Advanced licenses offer smart remote functionality without compromise, for all HPE ProLiant servers. The license includes the full integrated remote console, virtual keyboard, video, and mouse (KVM), multi-user collaboration, console record and replay, and GUI-based and scripted virtual media and virtual folders. You can also activate the enhanced security and power management functionality. Learn more about HPE iLO Advanced at <u>http://www.hpe.com/servers/iloadvanced</u> .
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 <b>http://www.hpe.com/info/insightcontrol</b> .
HPC Interconnects	the HPE Cluster Packard Enterpr a lot of flexibilit	formance Computing (HPC) interconnect technologies are available for this server under Platform product portfolio. These high-speed interconnects are fully supported by Hewlett ise when they are part of these configure to order clusters. Solutions can be defined with y with the help of configuration tools. Please visit the following URL to configure HPEC iniBand Interconnects: https://www.hpe.com/info/hpc/solutions.

### **Optional Features**

#### 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 gots the job dama.

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.

### • 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

With HPE StoreVirtual VSA you can use the power of virtualization to create a virtual array within your host server. Manage it as a single pool of shared storage capacity, and scale it to match your evolving needs. HPE ProLiant Gen9 servers include a 3-year limited license for HPE StoreVirtual VSA software with 1TB of capacity at no extra cost. Simply select to install HPE StoreVirtual VSA software during server setup within Intelligent Provisioning. More information, instructional videos, and free console management software are available at http://www.hpe.com/info/vsa1TB.

**NOTE:** For more information about Storage Software including QuickSpecs, please

see: https://www.hpe.com/us/en/storage/software-defined.html

ClearOS	HPE and ClearCenter will help you lower the cost of building on-premise solutions without sacrificing security and ease of use. HPE ProLiant servers with ClearOS give you a simple, secure, and affordable operating system with an intuitive web based graphical user interface that provides a cloud-like experience on- premise, and an Application Marketplace with over 100 apps and growing. Whether you're starting out or scaling, you decide what applications you need and pay as you grow.
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. <u>http://ocs.ext.hpe.com/</u> .

## 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 24x7monitoring, 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-HP CSC reports 2014-2015			
Recommended Support	Basic: HPE Foundation Care NBD, three-year Support Service HPE Foundation Care Next Business Day connects you to Hewlett Packard Enterprise during business hours for assistance on resolving issues – This service features need based next business day hardware onsite response and software call back within two hours. In addition, Collaborative software support and provides troubleshooting assistance on industry leading software running on your HPE server. Simplify your support experience and make Hewlett Packard Enterprise your first call to help resolve hardware or software problems. https://www.hpe.com/h20195/V2/GetDocument.aspx?docname=4AA4-8876ENW&cc=us&lc=en			
	Standard: HPE Foundation Care 24x7, three-year Support Service HPE Foundation Care 24x7 gives you access to Hewlett Packard Enterprise 24 hours a day, seven days a week for assistance on resolving issues. This service includes need based Hardware onsite response within four hours. In addition, collaborative software support is included in this service that provides troubleshooting assistance on industry leading software running on your HPE server. Simplify your support experience and make Hewlett Packard Enterprise your first call to help resolve hardware or software problems. https://www.hpe.com/h20195/V2/GetDocument.aspx?docname=4AA4-8876ENW&cc=us&lc=en			
	<b>Optimized: HPE Proactive Care* with 24x7 coverage, three year Support Service</b> 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 HPE servers.			
Parts and Materials	Hewlett Packard Enterprise will provide HPE-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 quick-specs, 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.			

## Service and Support

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			
	<b>HPE Installation and Startup Service</b> 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 <sup>®</sup> or Linux).			
	<b>HPE Technology Services Support Credits</b> 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.			
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. <b>http://www.hpe.com/ww/learn</b>			
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: <b>http://www.hpe.com/services</b>			

### **SMB Models**

	Entry Models	Performa	nce Models	Solution Models		
[SKU Number]	P03704-XXX	P03705-XXX	P03706-XXX	P03707-XXX		
Model Name	HPE ProLiant ML30 Gen9 E3-1220v6 1P 8GB-U B140i 4LFF NHP SATA 350W PS Entry Server	HPE ProLiant ML30 Gen9 E3-1220v6 1P 8GB-U B140i 4LFF HP SATA 350W PS Perf Server	HPE ProLiant ML30 Gen9 E3-1230v6 1P 8GB-U B140i 4LFF HP SATA 460W RPS Perf Server	HPE ProLiant ML30 Gen9 E3-1240v6 1P 8GB-U B140i 8SFF SATA 460W RPS Perf Server		
Processor	Intel® Xeon® E3- 1220v6	Intel® Xeon® E3- 1220v6	Intel® Xeon® E3- 1230v6	Intel® Xeon® E3-1240v6		
Number of Processors			One			
Memory	8GB (1x8GB UDIMMs, 2400 MHz)	8GB (1x8GB UDIMMs, 2400 MHz)	8GB (1x8GB UDIMMs, 2400 MHz)	16GB (1x16GB UDIMMs, 2400 MHz)		
Network Controller		Broadcom 5	720 Dual-port 1GbE			
Storage Controller	HPE Dynamic Smart Array B140i with 4 SATA ports support	HPE Dynamic Smart Array B140i with 4 SATA ports support <b>NOTE:</b> Field upgradeable to SAS support by selecting an HPE SAS Controller or Smart HBA.		HPE Dynamic Smart Array B140i with 4 SATA ports support <b>NOTE:</b> Field upgradeable to SAS/8 ports support by selecting an HPE SAS Controller or Smart HBA.		
Network Controller		Broadcom 5720 Dual-port 1GbE				
Storage Controller		HPE Dynam	ic Smart Array B140i			
Hard Drive	None ship st	randard; includes 3 LFF ha	ard drive blanks	None ship standard; includes 7SFF hard drive blanks		
Internal Storage	4 LFF HDD Bays (Non Hot Plug)	4 LFF HDD Bays (Hot Plug)		8SFF HDD Bays (Hot Plug)		
Optical Drive Bay	1 (Optional: DVD- ROM, DVD-RW)	1 (Optional: DVD-ROM, DVD-RW)		1 (Optional: DVD-ROM, DVD-RW)		
Optical Drive	None	1 DV	D RW	None		
PCI-Express Slots		4 P	Cle 3.0 slots			
Power Supply	(1) 350W AT	X Power Supply	(1) 460W Redu	Indant Power Supply		
Fans		1 non hot p	lug, non-redundant			
Management	iLO Management (standard), Intelligent Provisioning (standard), iLO Essentials (optional), iLO Scale-out (optional only for DL), iLO Advanced (optional)					
Form Factor		Τ	ower (4U)			
Warranty	Server Warranty includes 3-Year Parts, 1-Year Labor, 1-Year Onsite support with next business day response.					
	<b>NOTE:</b> APJ Server Warranty includes 3-Year Parts, 3-Year Labor, 3-Year Onsite support with next business day response.					

xx1 = S01	US
xx1 = S05	ΒZ
xx1 = 425	EU/UK
xx1 = 375	AP
xx1 = 291	Japan

## Service and Support

**NOTE:** Not all models are available in all regions. Check with your local country Hewlett Packard Enterprise offices for availability.

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

- 1. Factory Integrated Models must start with a CTO Server.
- 2. 2. FIO indicates that this option is only available as a factory installable option.
- 3. 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. 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)

[Chassis]	HPE ProLiant ML30 Gen9 Non-hot Plug 4LFF Configure-to-order Server	HPE ProLiant ML30 Gen9 Hot Plug 4LFF Configure-to-order Server	HPE ProLiant ML30 Gen9 Hot Plug 8SFF Configure-to-order Server	
SKU Number	823401-B21	823402-B21	823403-B21	
Processor	1	1	1	
DIMM Slots	4 [	DIMM slots for UDIMM DDR4 Memo	bry	
Storage Controller	HPE Dynamic Smart Array B140i with 4 SATA ports support	HPE Dynamic Smart Array B140i with 4 SATA ports support, choice of HPE SAS Controller or Smart HBA		
PCle		4 PCIe 3.0 slots		
Drive Cage	4LFF Non Hot Plug	4LFF Hot Plug	8SFF Hot Plug	
Network Controller		Broadcom 5720 Dual-port 1GbE		
Fans		1 non hot plug, non-redundant		
Management	iLO Managem	ent (standard), Intelligent Provisioni	ing (standard)	
USB		4 front, 4 rear, 2 internal		

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

**HPE Processors** 

Select one processor from Core Options-Processor section below.

- Select one xxxxxx-L21.
- Only one processor supported.
- DDR4 speed is the maximum memory speed of the processor. Actual memory speed may depend on the quantity and type of DIMMs installed.

For the Intel<sup>®</sup> C236 Chipset E3-1200 Series, the letter preceding the model number indicates the Product Line (E3, E5, E7); 1200x v#, 1 is the number of CPU, 2 is socket type/segment designation, OO = Processor SKU, x = L for low power SKUs and v# (not yet designated) is the version number

**HPE Memory** 

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

- HPE memory from previous generation servers is not qualified or warranted with this HPE ProLiant Server.
- HPE Standard Memory (UDIMM) is required to realize the memory performance improvements and enhanced functionality listed in this document for this HPE ProLiant Server.
- With one processor installed, four DIMMs slots are available.

Options

### Configuration Information - Factory Integrated Models

• Depending on the memory configuration and processor model, the memory speed would run at 2133MHz. Please see Memory Population Table or the Online Memory Configuration Tool at: <u>http://www.hpe.com/servers/ddr4memoryconfig</u>.

**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: <u>http://www.hpe.com/info/hppoweradvisor</u>.
- 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.

• 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 Graphics Select one or more graphics adapter from Additional Options section b	elow.
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- 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: <u>http://www.hpe.com/info/hppoweradvisor</u>.
- This section may contain FIO options, please see HPE Computation & Graphics Accelerators section below.

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

- Please see the QuickSpecs for Technical Specifications and additional information: <u>http://www.hpe.com/servers/ProLiantNICs</u>.
- 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.

### **Configuration Information - Factory Integrated Models**

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

	<ul> <li>This section may contain FIO options, please see HPE Cooling Options section below.</li> <li>FIO indicates that this option is only available as a factory installable option.</li> </ul>
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.
	<ul> <li>This section may contain FIO options, please see HPE Storage Controllers section below.</li> <li>FIO indicates that this option is only available as a factory installable option.</li> </ul>

**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 your local sales representative for additional information.

HPE ML30 Gen9 Front PCI Fan Kit820290-821NOTE: Required for any PCI-E card.822384-821HPE ML30 Gen9 350W E-star 2.0 Power Supply Kit822384-821HPE ML30 Gen9 4U Redundant Power Supply Enablement Kit8223607-821HPE ML30 Gen9 4 Large Form Factor Hot Plug Hard Drive Cage Kit822608-821NOTE: The LFF Kit is a backplane kit designed for going from NHP LFF to hot-plug LFF.822756-821HPE ML30 Gen9 8 Small Form Factor Hot Plug Hard Drive Cage Kit822756-821NOTE: The SFF Kit is the cage plus backplane and designed to convert from any LFF configuration to SFF.417705-821HPE Tower to Rack Conversion Tray Universal Kit417705-821NOTE: ML30 Gen9 8 final Goen9 Front PCI Fan Kit (820290-821).758959-822NOTE: ML30 Gen9 Trape Drive Cable Kit851615-821NOTE: UEF1 is the default, this FIO part can be used for CTO to enable Legacy mode.HPE ML30 Gen9 Tape Drive Cable KitMax=21pc required per LTO int tape drive or per RDX USB int disk backup sys if selected together with 350W ES1.0 or ES2.0 power supply.851615-821HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.0GHz/4-core/8MB/72W) FIO Processor Kit871841-L21HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.5GHz/4-core/8MB/72W) FIO Processor Kit871841-L21HPE ML30 Gen9 Intel Xeon E3-1270v6 (3.8GHz/4-core/8MB/72W) FIO Processor Kit871844-L21E3-1200v6 series ProcessorsHPE ML30 Gen9 Intel Xeon E3-1270v6 (3.8GHz/4-core/8MB/72W) FIO Processor Kit871844-L21E3-1200v6 series ProcessorsHPE ML30 Gen9 Intel Xeon E3-1270v6 (3.8GHz/4-core/8MB/72W) FIO Processor Kit871844-L21E3-1200v6 series Processor		
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NOTE: Required for any PCI-E card.HPE ML30 Gen9 350W E-star 2.0 Power Supply Kit822384-821HPE ML30 Gen9 4 U arege form Factor Hot Plug Hard Drive Cage Kit822608-821NOTE: The LFF Kit is a backplane kit designed for going from NHP LFF to hot-plug LFF.822756-821HPE ML30 Gen9 8 Small Form Factor Hot Plug Hard Drive Cage Kit822756-821NOTE: The SFF Kit is the cage plus backplane and designed to convert from any LFF configuration to SFF.417705-821HPE Tower to Rack Conversion Tray Universal Kit417705-821NOTE: Require HPE ML30 Gen9 Front PCI Fan Kit (820290-821).758959-822NOTE: NL50 Gen9 is not designed for a data center rack application environment, the Tower to Rack setting can be located in the office environment up to 35C ambient.758959-822NOTE: UEFI is the default, this PIO part can be used for CTO to enable Legacy mode.851615-821HPE ML30 Gen9 Tape Drive Cable Kit851615-821NOTE: Max=2 1pc required when 2pcs of Optical Drives were selected together with 350W ES1.0 or ES2.0 power supply.851615-821HPE ProcessorsE3-1200v6 series Processors871843-121HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.0GHz/4-core/8MB/72W) FIO Processor Kit HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.3GHz/4-core/8MB/72W) FIO Processor Kit HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.3GHz/4-core/8MB/72W) FIO Processor Kit HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.3GHz/4-core/8MB/72W) FIO Processor Kit HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.3GHz/4-core/8MB/72W) FIO Processor Kit HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.3GHz/4-core/8MB/72W) FIO Processor Kit HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.3GHz/4-core/8MB/72W) FIO Processor Kit 	HPE ML30 Gen9 Slim Optical Disk Drive Enablement Kit	820288-B21
HPE ML30 Gen9 350W E-star 2.0 Power Supply Kit822384-B21HPE ML30 Gen9 4U Redundant Power Supply Enablement Kit822607-B21HPE ML30 Gen9 4 Large Form Factor Hot Plug Hard Drive Cage Kit822608-B21NOTE: The LFF Kit Is a backplane kit designed for going from NHP LFF to hot-plug LFF.822756-B21HPE ML30 Gen9 8 Small Form Factor Hot Plug Hard Drive Cage Kit822756-B21NOTE: The SFF Kit Is the cage plus backplane and designed to convert from any LFF configuration to SFF.417705-B21HPE Tower to Rack Conversion Tray Universal Kit417705-B21NOTE: ML30 Gen9 Is not designed for a data center rack application environment, the Tower to Rack setting can be located in the office environment up to 35C ambient.758959-B22NOTE: ML30 Gen9 Tape Drive Cable Kit851615-B21NOTE: Max=21pc required per LTO int tape drive or per RDX USB int disk backup sys if selected together with 350W ES1.0 or ES2.0 power supply. 1pc required when 2pcs of Optical Drives were selected together with 350W ES1.0 or ES2.0 power supply. This cable is not required when only 1pc of Optical drive is selected.871841-L21HPE ML30 Gen9 Intel Xeon E3-1220V6 (3.0GHz/4-core/8MB/72W) FIO Processor Kit HPE ML30 Gen9 Intel Xeon E3-1220V6 (3.3GHz/4-core/8MB/72W) FIO Processor Kit HPE ML30 Gen9 Intel Xeon E3-1220V6 (3.3GHz/4-core/8MB/72W) FIO Processor Kit HPE ML30 Gen9 Intel Xeon E3-1220V6 (3.3GHz/4-core/8MB/72W) FIO Processor Kit HPE ML30 Gen9 Intel Xeon E3-1220V6 (3.3GHz/4-core/8MB/72W) FIO Processor Kit HPE ML30 Gen9 Intel Xeon E3-1220V6 (3.3GHz/4-core/8MB/72W) FIO Processor Kit HPE ML30 Gen9 Intel Xeon E3-1220V6 (3.3GHz/4-core/8MB/72W) FIO Processor Kit HPE ML30 Gen9 Intel Xeon E3-1220V6 (3.3GHz/4-core/8MB/72W) FIO Processor Kit<	HPE ML30 Gen9 Front PCI Fan Kit	820290-B21
HPE ML30 Gen9 4U Redundant Power Supply Enablement Kit822607-821HPE ML30 Gen9 4 Large Form Factor Hot Plug Hard Drive Cage Kit822608-821NOTE: The LFF Kit is a backplane kit designed for going from NHP LFF to hot-plug LFF.822756-821HPE ML30 Gen9 8 Small Form Factor Hot Plug Hard Drive Cage Kit822756-821NOTE: The SFF Kit is the cage plus backplane and designed to convert from any LFF configuration to SFF.417705-821HPE Tower to Rack Conversion Tray Universal Kit417705-821NOTE: Require HPE ML30 Gen9 Front PCI Fan Kit (820290-B21).758959-822NOTE: ML30 Gen9 is not designed for a data center rack application environment, the Tower to Rack setting can be located in the office environment up to 35C ambient.758959-822NOTE: UEFI is the default, this FIO part can be used for CTO to enable Legacy mode.851615-821HPE ML30 Gen9 Tape Drive Cable Kit851615-821NOTE: Max=21pc required per LTO int tape drive or per RDX USB int disk backup sys if selected together with 350W ES1.0 or ES2.0 power supply. Tipc required when 2pcs of Optical Drives were selected together with 350W ES1.0 or ES2.0 power supply. This cable is not required when only 1pc of Optical drive is selected.871841-L21HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.0GHz/4-core/8MB/72W) FIO Processor Kit HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.7GHz/4-core/8MB/72W) FIO Processor Kit HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.7GHz/4-core/8MB/72W) FIO Processor Kit HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.7GHz/4-core/8MB/72W) FIO Processor Kit B71844-L21 HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.7GHz/4-core/8MB/72W) FIO Processor Kit HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.7GHz/4-core/8MB/72W) FIO Processor Kit B71844-L21<	NOTE: Required for any PCI-E card.	
HPE ML30 Gen9 4 Large Form Factor Hot Plug Hard Drive Cage Kit       822608-821         NOTE: The LFF Kit is a backplane kit designed for going from NHP LFF to hot-plug LFF.       822756-821         NOTE: The SFF Kit is the cage plus backplane and designed to convert from any LFF configuration to SFF.       822756-821         HPE Tower to Rack Conversion Tray Universal Kit       417705-821         NOTE: Require HPE ML30 Gen9 Front PCI Fan Kit (820290-B21).       NOTE: ML30 Gen9 is not designed for a data center rack application environment, the Tower to Rack setting can be located in the office environment up to 35C ambient.       758959-822         NOTE: UEFI is the default, this FIO part can be used for CTO to enable Legacy mode.       851615-821         NOTE: ML30 Gen9 Tape Drive Cable Kit       851615-821         NOTE:       Max-2       1pc required per LTO int tape drive or per RDX USB int disk backup sys if selected together with 350W ES1.0 or ES2.0 power supply.       1pc required per LTO int tape drive or per RDX USB int disk backup sys if selected         HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.0GHz/4-core/8MB/72W) FIO Processor Kit       871841-121         HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.3GHz/4-core/8MB/72W) FIO Processor Kit       871843-121         HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.3GHz/4-core/8MB/72W) FIO Processor Kit       871843-121         HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.3GHz/4-core/8MB/72W) FIO Processor Kit       871843-121         HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.3GHz/4-core/8MB/72W) FIO Processor Kit <th>HPE ML30 Gen9 350W E-star 2.0 Power Supply Kit</th> <th>822384-B21</th>	HPE ML30 Gen9 350W E-star 2.0 Power Supply Kit	822384-B21
NOTE: The LFF Kit is a backplane kit designed for going from NHP LFF to hot-plug LFF.       822756-821         NOTE: The SFF Kit is the cage plus backplane and designed to convert from any LFF configuration to SFF.       812756-821         HPE Tower to Rack Conversion Tray Universal Kit       417705-821         NOTE: Require HPE ML30 Gen9 Front PCI Fan Kit (820290-821).       8000000000000000000000000000000000000	HPE ML30 Gen9 4U Redundant Power Supply Enablement Kit	822607-B21
LFF.       HPE ML30 Gen9 8 Small Form Factor Hot Plug Hard Drive Cage Kit       822756-821         NOTE: The SFF Kit is the cage plus backplane and designed to convert from any LFF configuration to SFF.       417705-821         HPE Tower to Rack Conversion Tray Universal Kit       417705-821         NOTE: Require HPE ML30 Gen9 Front PCI Fan Kit (820290-821).       NOTE: ML30 Gen9 is not designed for a data center rack application environment, the Tower to Rack setting can be located in the office environment up to 35C ambient.         HPE Legacy FIO Mode Setting       758959-822         NOTE: UEFI is the default, this FIO part can be used for CTO to enable Legacy mode.       HPE ML30 Gen9 Tape Drive Cable Kit         Max=2       1pc required per LTO int tape drive or per RDX USB int disk backup sys if selected together with 350W ES1.0 or ES2.0 power supply.       1pc required when 2pcs of Optical Drives were selected together with 350W ES1.0 or ES2.0 power supply.         This cable is not required when only 1pc of Optical drive is selected.       871841-L21         HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.0GHz/4-core/8MB/72W) FIO Processor Kit       871843-L21         HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.0GHz/4-core/8MB/72W) FIO Processor Kit       871843-L21         HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.0GHz/4-core/8MB/72W) FIO Processor Kit       871843-L21         HPE ML30 Gen9 Intel Xeon E3-1280v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit       871843-L21         HPE ML30 Gen9 Intel Xeon E3-1280v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit	HPE ML30 Gen9 4 Large Form Factor Hot Plug Hard Drive Cage Kit	822608-B21
NOTE: The SFF Kit is the cage plus backplane and designed to convert from any LFF configuration to SFF.       HPE Tower to Rack Conversion Tray Universal Kit       417705-B21         NOTE: Require HPE ML30 Gen9 is not designed for a data center rack application environment, the Tower to Rack setting can be located in the office environment up to 35C ambient.       758959-B22         NOTE: ML30 Gen9 Tape Drive Cable Kit       851615-B21         NOTE: ML30 Gen9 Tape Drive Cable Kit       851615-B21         NOTE: ML30 Gen9 Tape Drive Cable Kit       851615-B21         Max=2       1pc required per LTO int tape drive or per RDX USB int disk backup sys if selected together with 350W ES1.0 or ES2.0 power supply.       1pc required when 2pcs of Optical Drives were selected together with 350W ES1.0 or ES2.0 power supply.         HPE Processors       E3-1200v6 series Processors       871841-L21         HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.0GHz/4-core/8MB/72W) FIO Processor Kit       871843-L21         HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit       871842-L21         HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit       871842-L21         HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit       871844-L21         E3-1200v6 series Processors       871844-L21         HPE ML30 Gen9 Intel Xeon E3-1280v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit       871844-L21         HPE ML30 Gen9 Intel Xeon E3-1280v6 (3.9GHz/4-core/8MB/72W) FIO P		
configuration to SFF.HPE Tower to Rack Conversion Tray Universal Kit417705-B21NOTE: Require HPE ML30 Gen9 Front PCI Fan Kit (820290-B21).NOTE: ML30 Gen9 is not designed for a data center rack application environment, the Tower to Rack setting can be located in the office environment up to 35C ambient.HPE Legacy FIO Mode Setting758959-B22NOTE: UEFI is the default, this FIO part can be used for CTO to enable Legacy mode.HPE ML30 Gen9 Tape Drive Cable Kit851615-B21NOTE:Max=21pc required per LTO int tape drive or per RDX USB int disk backup sys if selected together with 350W ES1.0 or ES2.0 power supply.1pc required when 2pcs of Optical Drives were selected together with 350W ES1.0 or ES2.0 power supply.This cable is not required when only 1pc of Optical drive is selected.HPE ProcessorsHPE ML30 Gen9 Intel Xeon E3-1220v6 (3.0GHz/4-core/8MB/72W) FIO Processor Kit HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.3GHz/4-core/8MB/72W) FIO Processor Kit B71841-L21 HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.3GHz/4-core/8MB/72W) FIO Processor Kit B71842-L21 HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit B71842-L21 HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit B71844-L21 E3-1200v6 series ProcessorsHPE ML30 Gen9 Intel Xeon E3-1280v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit B71844-L21 E3-1200v6 series ProcessorsHPE ML30 Gen9 Intel Xeon E3-1280v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit B71844-L21 E3-1200v6 series ProcessorsHPE ML30 Gen9 Intel Xeon E3-1280v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit B71844-L21 E3-1200v6 series ProcessorsHPE ML30 Gen9 Intel Xeon E	HPE ML30 Gen9 8 Small Form Factor Hot Plug Hard Drive Cage Kit	822756-B21
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HPE ML30 Gen9 Intel Xeon E3-1270v6 (3.8GHz/4-core/8MB/72W) FIO Processor Kit871844-L21E3-1200v6 series Processors871844-L21HPE ML30 Gen9 Intel Xeon E3-1280v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit873298-L21Intel® Core i3-6000 series Processors871847-L21HPE ML30 Gen9 Intel Core i3-7100 (3.9GHz/2-core/3MB/51W) FIO Processor Kit871847-L21Intel® Core i3-6000 series Processors871847-L21Intel® Core i3-6000 series Processors871847-L21	HPE ML30 Gen9 Intel Xeon E3-1230v6 (3.5GHz/4-core/8MB/72W) FIO Processor Kit	871843-L21
E3-1200v6 series ProcessorsHPE ML30 Gen9 Intel Xeon E3-1280v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit873298-L21Intel® Core i3-6000 series ProcessorsHPE ML30 Gen9 Intel Core i3-7100 (3.9GHz/2-core/3MB/51W) FIO Processor Kit871847-L21Intel® Core i3-6000 series ProcessorsIntel® Core i3-6000 series Processors871847-L21	HPE ML30 Gen9 Intel Xeon E3-1240v6 (3.7GHz/4-core/8MB/72W) FIO Processor Kit	871842-L21
HPE ML30 Gen9 Intel Xeon E3-1280v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit873298-L21Intel® Core i3-6000 series Processors871847-L21HPE ML30 Gen9 Intel Core i3-7100 (3.9GHz/2-core/3MB/51W) FIO Processor Kit871847-L21Intel® Core i3-6000 series Processors871847-L21	HPE ML30 Gen9 Intel Xeon E3-1270v6 (3.8GHz/4-core/8MB/72W) FIO Processor Kit	871844-L21
Intel® Core i3-6000 series ProcessorsHPE ML30 Gen9 Intel Core i3-7100 (3.9GHz/2-core/3MB/51W) FIO Processor Kit871847-L21Intel® Core i3-6000 series Processors	E3-1200v6 series Processors	
HPE ML30 Gen9 Intel Core i3-7100 (3.9GHz/2-core/3MB/51W) FIO Processor Kit 871847-L21 Intel® Core i3-6000 series Processors	HPE ML30 Gen9 Intel Xeon E3-1280v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit	873298-L21
Intel® Core i3-6000 series Processors	Intel <sup>®</sup> Core i3-6000 series Processors	
	HPE ML30 Gen9 Intel Core i3-7100 (3.9GHz/2-core/3MB/51W) FIO Processor Kit	871847-L21
HDE MI 30 Cop0 Intol Coro i3-7300 (/, 0CHz/2-coro//, MR/51W) EIO Processor Kit 8718/8-1 21	Intel® Core i3-6000 series Processors	
THE MESO GENA INTEL COLETA-1,200 (4.001 12/2-COLE/4MB/31W) FIOLESSOL KILL 07 1040-E21		
Intel <sup>®</sup> Pentium <sup>®</sup> G4000 series Processors	HPE ML30 Gen9 Intel Core i3-7300 (4.0GHz/2-core/4MB/51W) FIO Processor Kit	871848-L21
HPE ML30 Gen9 Intel Pentium G4500 (3.5GHz/2-core/3MB/54W) FIO Processor Kit 871845-L21		871848-L21
HPE ML30 Gen9 Intel Pentium G4600 (3.6GHz/2-core/3MB/51W) FIO Processor Kit 871846-L21	Intel® Pentium® G4000 series Processors	871848-L21 871845-L21
		<ul> <li>HPE ML30 Gen9 Front PCI Fan Kit</li> <li>NOTE: Required for any PCI-E card.</li> <li>HPE ML30 Gen9 350W E-star 2.0 Power Supply Kit</li> <li>HPE ML30 Gen9 4U Redundant Power Supply Enablement Kit</li> <li>HPE ML30 Gen9 4 Large Form Factor Hot Plug Hard Drive Cage Kit</li> <li>NOTE: The LFF Kit is a backplane kit designed for going from NHP LFF to hot-plug LFF.</li> <li>HPE ML30 Gen9 8 Small Form Factor Hot Plug Hard Drive Cage Kit</li> <li>NOTE: The SFF Kit is the cage plus backplane and designed to convert from any LFF configuration to SFF.</li> <li>HPE Tower to Rack Conversion Tray Universal Kit</li> <li>NOTE: Require HPE ML30 Gen9 Front PCI Fan Kit (820290-B21).</li> <li>NOTE: ML30 Gen9 is not designed for a data center rack application environment, the Tower to Rack setting can be located in the office environment up to 35C ambient.</li> <li>HPE Legacy FIO Mode Setting</li> <li>NOTE: UEFI is the default, this FIO part can be used for CTO to enable Legacy mode.</li> <li>HPE ML30 Gen9 Tape Drive Cable Kit</li> <li>NOTE:</li> <li>Max=2</li> <li>1pc required per LTO int tape drive or per RDX USB int disk backup sys if selected together with 350W ES1.0 or ES2.0 power supply.</li> <li>1pc required when 2pcs of Optical Drives were selected together with 350W ES1.0 or ES2.0 power supply.</li> <li>1pc required when DI 1pc of Optical drive is selected.</li> <li>E31200v6 series Processors</li> <li>HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.0GHz/4-core/8MB/72W) FIO Processor Kit</li> <li>HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit</li> <li>HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit</li> <li>HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit</li> <li>HPE ML30 Gen9 Intel Xeon E3-1220v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit</li> <li>HPE ML30 Gen9 Intel Xeon E3-120v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit</li> <li>HPE ML30 Gen9 Intel Xeon E3-120v6 (3.9GHz/4-core/8MB/72W) FIO Processor Kit</li> <li>HPE ML30 Gen9 Intel Xeo</li></ul>

HPE 8GB (1x8GB) Single Rank x8 DDR4-2400 CAS-17-17-17 Unbuffered Standard Memory Kit       862974-B21         HPE 8GB (1x8GB) Single Rank x8 DDR4-2133 CAS-15-15-15 Unbuffered Standard Memory Kit       81980-B21         HPE 16GB (1x16GB) Dual Rank x8 DDR4-2133 CAS-15-15-15 Unbuffered Standard Memory Kit       862976-B21         HPE 16GB (1x16GB) Dual Rank x8 DDR4-2133 CAS-15-15-15 Unbuffered Standard Memory Kit       805671-B21         NOTE: The following memory is supported by the E3-1200v6 series, I3-7000 series, G4560 and G4600 processors only.       726536-B21         HPE 95mm SATA DVD-ROM Optical Drive       726537-B21         HPE 95mm SATA DVD-ROM Optical Drive       726537-B21         HPE 95mm SATA DVD-ROM Optical Drive       726537-B21         HPE 415 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. NOTE: Hard drives have either a one year or three year warranty; refer to the specific hard drive OuckSpees for details.       881457-B21         HPE 2.4TB SAS 126 Enterprise 10K SFF (2.5in) SC 3yr Why 512e Digitally Signed       872479-B21         HDD       HPE 3000B SAS 126 Enterprise 10K SFF (2.5in) SC 3yr Why Digitally Signed Firmware       872477-B21         HDD       HPE 2000B SAS 126 Enterprise 10K SFF (2.5in) SC 3yr Why Digitally Signed Firmware       872477-B21         HDD       HPE 3000B SAS 126 Enterprise 10K SFF (2.5in) SC 3yr Why Digita	HPE Memory	Unbuffered DIMMs (UDIMMs)	
Memory Kit       HPE 16GB (1x16GB) Dual Rank x8 DDR4-2400 CAS-17-17-17 Unbuffered Standard Memory Kit       862976-B21         HPE 16GB (1x16GB) Dual Rank x8 DDR4-2133 CAS-15-15-15 Unbuffered Standard Memory Kit       805671-B21         NOTE: The following memory is supported by the E3-1200v6 series, i3-7000 series, G4560 and G4600 processors only.       726536-B21         HPE Optical Drives       726537-B21         HPE Q5 Smm SATA DVD-ROM Optical Drive       726537-B21         HPE Q5 Smm SATA DVD-RW Optical Drive       726537-B21         HPE Q5 Smm SATA DVD-RW Optical Drive       726537-B21         HPE ML 30 Gen9 Sim Optical Disk Drive Enablement Kit       820288-B21         NOTE: 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.       NOTE: Hard drive Shave either a one year or three year warranty, refer to the specific hard drive OutckSpecs for dreals.         SAS Hot Plug SFF (2.5-incbt Enterprise (ENT) Drives       HPE 2.4TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Why 512e Digitally Signed 872478-B21         HIDD       HPE 200GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Why Digitally Signed Firmware 872479-B21       HDD         HPE 200GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Why Digitally Signed Firmware 872477-B21       HDD         HDD       HPE 200GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Why Digitally Signed Firmware 872477-B21 <th></th> <th>HPE 8GB (1x8GB) Single Rank x8 DDR4-2400 CAS-17-17-17 Unbuffered Standard</th> <th>862974-B21</th>		HPE 8GB (1x8GB) Single Rank x8 DDR4-2400 CAS-17-17-17 Unbuffered Standard	862974-B21
Memory Kit       HPE 16GB (1x16GB) Dual Rank x8 DDR4-2133 CAS-15-15-15 Unbuffered Standard Memory Kit       805671-B21         NOTE: The following memory is supported by the E3-1200v6 series, I3-7000 series, G4560 and G4600 processors only.       726536-B21         HPE Optical Drives       HPE 9.5mm SATA DVD-ROM Optical Drive       726537-B21         HPE Q5mm SATA DVD-ROM Optical Drive       726537-B21         HPE ML30 Gen0 Sim Optical Drive       726537-B21         HPE ML30 Gen0 Sim Optical Drive       726537-B21         HPE Drives       NOTE: The components of a storage subsystem (e.g. the drive, the H8A/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.         NOTE: Hard drives have either a one year or three year warranty; refer to the specific hard drive OulckSpecs for details.       SAS Hot Plug SFF (2.5-incb Deterprise (ENT) Drives         HPE 2.4TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty 512e Digitally Signed       871479-B21         Hirmware HDD       HPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware       872477-B21         HDD       HPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware       872477-B21         HDD       HPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware       872477-B21         HDD       HPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed F			819880-B21
Memory Kit       NOTE: The following memory is supported by the E3-1200v6 series, I3-7000 series, G4560 and G4600 processors only.         HPE Optical Drives       Y26536-821         HPE 9.5mm SATA DVD-ROM Optical Drive       726537-821         HPE 9.5mm SATA DVD-RW Optical Drive       726537-821         HPE ML30 Gen9 Slim Optical Dixb Drive Enablement Kit       820288-821         NOTE: Max=1 if selected together with 460W Hot Plug Power Supply.       1         HPE Drives       NOTE: The components of a storage subsystem (e.g. the drive, the HBA/controller, firmware, and the server backplane) should oparted at the same data transfer rate or the system bandwidth will be negotiated down to an acceptable level for all components.         NOTE: Hard drives have either a one year or three year warranty; refer to the specific hard drive OuckSpecs for dretails.       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       872479-821         HIDD       HPE 400GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware       870753-821         HDD       HPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware       870753-821         HDD       HPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware       870753-821         HDD       HPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware       870753-821         HDD			862976-B21
G4560 and G4600 processors only.         HPE 0ptical Drives         HPE 9.5mm SATA DVD-ROM Optical Drive         T26536-B21         HPE 9.5mm SATA DVD-ROM Optical Drive         HPE ML30 Gen9 Slim Optical Disk Drive Enablement Kit         NOTE: The components of a strage 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.         NOTE: Hard drives have either a one year or three year warranty; refer to the specific hard drive OuickSpecs for details.         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       881457-B21         Firmware HDD         HPE 1.2TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty 512e Digitally Signed       872479-B21         HPE 1.2TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware       870759-B21         HDD         HPE 600GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware       870759-B21         HDD         HPE 2.00GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware       870759-B21         HDE			805671-B21
HPE 9.5mm SATA DVD-ROM Optical Drive726536-B21HPE 9.5mm SATA DVD-RW Optical Drive726537-B21HPE ML30 Gen9 Slim Optical Disk Drive Enablement Kit820288-B21NOTE: Max=1 if selected together with 460W Hot Plug Power Supply.HPE DrivesNOTE: 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. NOTE: Hard drives have either a one year or three year warranty, refer to the specific hard drive OuicKSpees for details.SAS Hot Plug SFF (2.5-inch) Enterprise (ENT) DrivesHPE 2.4TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty 512e Digitally Signed881457-B21HPE 1.8TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHDDHPE 1.2TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signe			
HPE 9.5mm SATA DVD-RW Optical Drive726537-B21HPE ML30 Gen9 Slim Optical Disk Drive Enablement Kit820288-B21NOTE: Max=1 if selected together with 460W Hot Plug Power Supply.HPE DrivesNOTE: 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.NOTE: Hard drives have either a one year or three year warranty; refer to the specific hard drive OuicKSpees for details.SAS Hot Plug SFF (2.5-inch) Enterprise (ENT) DrivesHPE 2.4TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty 512e Digitally Signed881457-B21Firmware HDDHPE 1.8TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872479-B21HDDHPE 4.0006B SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHPE 3006B SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHPE 3006B SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHPE 3006B SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHPE 3006B SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHPE 3006B SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHPE 3006B SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHPE 3006B SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21<	HPE Optical Drives		
HPE ML30 Gen9 Slim Optical Disk Drive Enablement Kit820288-B21NOTE: Max=1 if selected together with 460W Hot Plug Power Supply.HPE DrivesNOTE: 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. NOTE: Hard drives have either a one year or three year warranty: refer to the specific hard drive QuickSpecs for details.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 Signed881457-B21 Firmware HDDHPE 1.2TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD872479-B21 HDDHPE 4.00GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD870477-B21 HDDHPE 500GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD870477-B21 HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD870477-B21 HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD870475-B21 HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD870475-B21 HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD872477-B21 HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD872475-B21 HDDHPE 100 STS drives require the selection of a SAS controller. See card lists in Controllers section. If B1401 is the primary controller, see card lists in Controllers <br< td=""><td>-</td><td>HPE 9.5mm SATA DVD-ROM Optical Drive</td><td>726536-B21</td></br<>	-	HPE 9.5mm SATA DVD-ROM Optical Drive	726536-B21
NOTE: Max=1 if selected together with 460W Hot Plug Power Supply.HPE DrivesNOTE: 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. NOTE: Hard drives have either a one year or three year warranty: refer to the specific hard drive OuickSpecs for details.SAS Hot Plug SFF (2.5-inch) Enterprise (ENT) Drives881457-B21 Firmware HDDHPE 2.4TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty 512e Digitally Signed872481-B21 Firmware HDDHPE 1.8TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD872479-B21 HDDHPE 000GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD870759-B21 HDDHDDHPE 600GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD870759-B21 HDDHDDHPE 600GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD870753-B21 HDDHDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD872477-B21 HDDHDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD872477-B21 HDDHDESAS drives require the selection of a SAS controller. See card lists in Controllers section. If 8140i is the primary controller, user can only select SATA drives.SAS Hot Plug SFF (2.5in) SC 1yr Wty 512e HDD765466-B21 HDDHPE 2TB SAS 12G Midline 72K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD832514-B21 HDE765466-B21 HDE <td< td=""><td></td><td>HPE 9.5mm SATA DVD-RW Optical Drive</td><td>726537-B21</td></td<>		HPE 9.5mm SATA DVD-RW Optical Drive	726537-B21
HPE DrivesNOTE: 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. NOTE: Hard drives have either a one year or three year warranty; refer to the specific hard drive OuicKspecs for details.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 Signed881457-B21 872481-B21 Firmware HDD HPE 1.2TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty 512e Digitally Signed872481-B21 872479-B21 HDD HDE 900GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD HPE 400GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD HPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD HPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD HPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD HPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD HPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD HPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD HPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware B70753-B21 HDD872475-B21 HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD872475-B21 HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD872475-B21 HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD872475-B21 HDD <td></td> <td>HPE ML30 Gen9 Slim Optical Disk Drive Enablement Kit</td> <td>820288-B21</td>		HPE ML30 Gen9 Slim Optical Disk Drive Enablement Kit	820288-B21
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. NOTE: Hard drives have either a one year or three year warranty; refer to the specific hard drive OutcKSpecs for details.SAS Hot Plug SFF (2.5-inch) Enterprise (ENT) DrivesHPE 2.4TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty 512e Digitally Signed881457-B21Firmware HDD872481-B21HPE 1.8TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty 512e Digitally Signed872481-B21HPE 1.2TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD870759-B21HDDHPE 4.00GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD870759-B21HDDHPE 600GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD870753-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD870753-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD872477-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD870753-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD872475-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD872475-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware HDD872475-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD872475-B21 <th></th> <th><b>NOTE:</b> Max=1 if selected together with 460W Hot Plug Power Supply.</th> <th></th>		<b>NOTE:</b> Max=1 if selected together with 460W Hot Plug Power Supply.	
OuickSpecs for details.SAS Hot Plug SFF (2.5-inch) Enterprise (ENT) DrivesHPE 2.4TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty 512e Digitally SignedFirmware HDDHPE 1.8TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty 512e Digitally SignedB72481-821Firmware HDDHPE 1.2TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed FirmwareHDDHPE 900GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed FirmwareHDDHPE 400GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed FirmwareHDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed FirmwareHDDHPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed FirmwareHDDHPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed FirmwareHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed FirmwareHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed FirmwareHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed FirmwareHDDNOTE: User may select any combination of SAS or SATA Hard Drives.SAS Hot Plug SFF (2.5-in) Milline (MDL) DrivesHPE 2TB SAS 126 Midline 7.2K SFF (2.5in) SC 1yr Wty 512e HDD765466-821HPE 2TB SAS 126 Midline 7.2K SFF (2.5in) SC 1yr	HPE Drives	server backplane) should operate at the same data transfer rate or the system bandwidth negotiated down to an acceptable level for all components.	n will be
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Firmware HDDHPE 1.8TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty 512e Digitally Signed872481-B21Firmware HDDHPE 1.2TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872479-B21HDDHPE 900GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware870759-B21HDDHPE 600GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872475-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872475-B21HDDHDESouge SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872475-B21HDDHDESouge SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872475-B21HDDHDESouge SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872475-B21HDDHDESAS drives require the selection of a SAS controller. See card lists in Controllers872475-B21HDDHDESAS Hot Plug SFF (2.5-inch) Midline (MDL) Drives765466-B21HPE 2TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e HDD765466-B21HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware765464-B21HDDHDHDHD		SAS Hot Plug SFF (2.5-inch) Enterprise (ENT) Drives	
Firmware HDDHPE 1.2TB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872479-B21HDDHPE 900GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware870759-B21HDDHPE 600GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware870753-B21HDDHPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware870753-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872475-B21HDDHDDNOTE: User may select any combination of SAS or SATA Hard Drives.872475-B21SAS drives require the selection of a SAS controller. See card lists in Controllers section. If B140i is the primary controller, user can only select SATA drives.SAS Hot Plug SFF (2.5-inch) Midline (MDL) DrivesHPE 2TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e HDD765466-B21HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD832514-B21HDDHPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD832514-B21			881457-B21
HDDHPE 900GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware870759-B21HDDHPE 600GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware870753-B21HDDHPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware870753-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872475-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872475-B21HDDNOTE: User may select any combination of SAS or SATA Hard Drives.SAS drives require the selection of a SAS controller. See card lists in Controllers section. If B140i is the primary controller, user can only select SATA drives.SAS Hot Plug SFF (2.5-inch) Midline (MDL) DrivesHPE 2TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e HDD765466-B21765466-B21HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD832514-B21HDDHDHDHD			872481-B21
HDDHPE 600GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872477-B21HDDHPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware870753-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872475-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872475-B21HDDNOTE: User may select any combination of SAS or SATA Hard Drives.872475-B21SAS drives require the selection of a SAS controller. See card lists in Controllers section. If B140i is the primary controller, user can only select SATA drives.SAS Hot Plug SFF (2.5-inch) Midline (MDL) DrivesHPE 2TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e HDD765466-B21HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD832514-B21HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD832514-B21HDDHPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD832514-B21HDDHPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD832514-B21HDDHDDHDDHDD			872479-B21
HDDHPE 300GB SAS 12G Enterprise 15K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware870753-B21HDDHPE 300GB SAS 12G Enterprise 10K SFF (2.5in) SC 3yr Wty Digitally Signed Firmware872475-B21HDDHDDNOTE: User may select any combination of SAS or SATA Hard Drives.872475-B21SAS drives require the selection of a SAS controller. See card lists in Controllers section. If B140i is the primary controller, user can only select SATA drives.872475-B21SAS Hot Plug SFF (2.5-inch) Midline (MDL) Drives765466-B21HPE 2TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e HDD765466-B21HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD832514-B21HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware765464-B21HDDHDHDHD			870759-B21
HDDAnd a standard and a st			872477-B21
HDDNOTE: User may select any combination of SAS or SATA Hard Drives. SAS drives require the selection of a SAS controller. See card lists in Controllers section. If B140i is the primary controller, user can only select SATA drives.SAS Hot Plug SFF (2.5-inch) Midline (MDL) DrivesHPE 2TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e HDD765466-B21HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD832514-B21HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD765464-B21HDDItem Sate State Sta			870753-B21
SAS drives require the selection of a SAS controller. See card lists in Controllers section. If B140i is the primary controller, user can only select SATA drives.SAS Hot Plug SFF (2.5-inch) Midline (MDL) DrivesHPE 2TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e HDD765466-B21HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD832514-B21HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD765464-B21HDDHDD105464-B21			872475-B21
section. If B140i is the primary controller, user can only select SATA drives.SAS Hot Plug SFF (2.5-inch) Midline (MDL) DrivesHPE 2TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e HDD765466-B21HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD832514-B21HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD765464-B21HDDHDD765464-B21		NOTE: User may select any combination of SAS or SATA Hard Drives.	
HPE 2TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e HDD765466-B21HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD832514-B21HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware765464-B21HDDHDD765464-B21			
HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD832514-B21HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware765464-B21HDDHDDHDD		SAS Hot Plug SFF (2.5-inch) Midline (MDL) Drives	
HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware 765464-B21 HDD		HPE 2TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e HDD	765466-B21
HDD		HPE 1TB SAS 12G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD	832514-B21
<b>NOTE:</b> User may select any combination of SAS or SATA Hard Drives.			765464-B21
		<b>NOTE:</b> User may select any combination of SAS or SATA Hard Drives.	

Firmware HDD819201-8HPE 8TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD819201-8HPE 6TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD845174-8HPE 6TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872487-8HPE 2TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872487-8HPE 2TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872487-8HPE 1TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD87485-8NOTE: User may select any combination of SAS or SATA Hard Drives.82654-8SAS drives require the selection of a SAS controller. See card lists in Controllers82654-8HPE 400GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed FirmwareP04541-8SSD12G SAS Hot Plug SFF (2.5-inch) Write Intensive Solid State Drives873351-8HPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP04525-8HPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP04525-8HPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP04525-8SATA Hot Plug SFF (2.5-inch) Midline (MDL) Drives873359-8SATA Hot Plug SFF (2.5-inch) Midline (MDL) Drives765455-8HPE 1TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD655710-8NOTE: User may select any combination of SAS or SATA Hard Drives.SATA Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signe	SAS Hot Plug LFF (3.5-inch) Midline (MDL) Drives			
HDD861754-BHPE 6TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDD861754-BHPE 4TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD846514-BHPE 4TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872487-BHPE 1TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872487-BNOTE: User may select any combination of SAS or SATA Hard Drives.872487-BSAS drives require the selection of a SAS controller. See card lists in Controllers872487-BSection. If B140i is the primary controller, user can only select SATA drives.87351-BSDSD SAS Hot Plug SFF (2.5-inch) Write Intensive Solid State Drives87351-BHPE 400GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware87351-BSDSD SAS Hot Plug SFF (2.5-inch) Mixed Use Solid State DrivesP04541-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP0458-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP04525-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP04525-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD655710-BNOTE: User may select any combination of SAS or SATA Hard Drives.765455-BHPE 1TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD655710-BNOTE: User may select any combination of SAS or SATA Hard Drives.801882-BSAT Hot Plug LFF (3.5-inch) Midline (MDL) Drives801882-BHPE 1TB SATA 6G Midline 7		857644-B2		
HPE 6TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD846514-BHPE 4TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872487-BHPE 2TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872487-BNOTE: User may select any combination of SAS or SATA Hard Drives.846514-BSAS drives require the selection of a SAS controller. See card lists in Controllers846524-BSection. If B1401 is the primary controller, user can only select SATA drives.873551-BSAS drives require the selection of a SAS controller. See card lists in Controllers873551-BSSDSAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware873551-BSSDSAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP04541-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP0488-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP04525-BSAT Ator SPG 25.2 (Sin) SC 3yr Wty Digitally Signed Firmware SSDP04525-BSAT Ator SPG 25.2 (Sin) SC 3yr Wty Digitally Signed Firmware SSDP04525-BSAT Ator SPG 25.2 (Sin) SC 3yr Wty Digitally Signed Firmware SSDP04525-BSAT Ator SPG 25.2 (Sin) SC 3yr Wty Digitally Signed Firmware SSDP04525-BSAT Ator SPG 25.2 (Sin) SC 1yr Wty 512e Digitally Signed Firmware HDD655710-BNOTE: User may select any combination of SAS or SATA Hard Drives.SAS Atores require the selection of a SAS controller. See card lists in ControllersSection. If B1401 is the primary controller, user can only select SATA drives.SATA h		819201-B2		
HPE 4TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wry Digitally Signed Firmware HDD872487-BHPE 2TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wry Digitally Signed Firmware HDD872485-BHPE 1TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wry Digitally Signed Firmware HDD866524-BNOTE: User may select any combination of SAS or SATA Hard Drives.846524-BSAS drives require the selection of a SAS controller. See card lists in Controllers873551-BSSDSSD873551-B873551-BHPE 400GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wry Digitally Signed Firmware873551-BSSDSAS 102G Write Intensive SFF (2.5in) SC 3yr Wry Digitally Signed Firmware SSDP04541-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wry Digitally Signed Firmware SSDP04588-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wry Digitally Signed Firmware SSDP04582-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wry Digitally Signed Firmware SSDP04525-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 1yr Wry Digitally Signed Firmware SSDP04525-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 1yr Wry Digitally Signed Firmware SSDP04525-BSATA Hot Plug SFF (2.5-inch) Midline (MDL) Drives655710-BNOTE: User may select any combination of SAS or SATA Hard Drives.801882-BSATA Hot Plug LFF (3.5-inch) Midline (MDL) Drives655710-BHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wry HolD801882-BSATA Hot Plug LFF (3.5-inch) Midline (MDL) Drives801882-BHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wry HolD801882-BSATA Hot Plug LFF (3.5-inch) Midline (MDL) Driv	HPE 6TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDD	861754-B2		
HPE 2TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872485-BHPE 1TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD846524-BNOTE: User may select any combination of SAS or SATA Hard Drives.SAS drives require the selection of a SAS controller. See card lists in ControllersSaction. If B1401 is the primary controller, user can only select SATA drives.846524-B12G SAS Hot Plug SFF (2.5-inch) Wite Intensive Solid State Drives873351-BHPE 400GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware873351-BSSD12G SAS Hot Plug SFF (2.5-inch) Mixed Use Solid State Drives873351-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP09088-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD873359-BSATA Hot Plug SFF (2.5-inch) Midline (MDL) Drives873359-BHPE 2TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD655710-BNOTE: User may select any combination of SAS or SATA Hard Drives.801882-BSATA Hot Plug LFF (3.5-inch) Midline (MDL) Drives655710-BNOTE: User may select any combination of SAS or SATA Hard Drives.801882-BSATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) Drives801882-BHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) RW 1yr Wty DD801882-BSATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) Drives811882-BHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed81785-BHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed8178	HPE 6TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	846514-B2		
HPE 1TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD846524-BNOTE: User may select any combination of SAS or SATA Hard Drives.SAS drives require the selection of a SAS controller. See card lists in ControllersSection. If B140i is the primary controller, user can only select SATA drives.P04541-B12G SAS Hot Plug SFF (2.5-inch) Write Intensive Solid State DrivesP04541-BHPE 400GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware873351-BSSD12G SAS Hot Plug SFF (2.5-inch) Mixed Use Solid State DrivesP04588-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP09088-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP09088-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP09088-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 1yr Wty Digitally Signed Firmware SSDP04525-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 1yr Wty Digitally Signed Firmware SSDP04525-BHPE 2TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD655710-BNOTE: User may select any combination of SAS or SATA Hard Drives.SAS drives require the selection of a SAS controller. See card lists in ControllersSection. If B140i is the primary controller, user can only select SATA drives.SATA Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed881785-BFirmware HDDR01882-B881785-BHPE 10TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty S12e Digitally Signed Firmware HDD857648	HPE 4TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	872487-B2		
NOTE: User may select any combination of SAS or SATA Hard Drives.SAS drives require the selection of a SAS controller. See card lists in ControllersSection. If B1401 is the primary controller, user can only select SATA drives.12G SAS Hot Plug SFF (2.5-inch) Write Intensive Solid State DrivesHPE 400GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed FirmwareSSD12G SAS Hot Plug SFF (2.5-inch) Mixed Use Solid State DrivesHPE 400GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed FirmwareSSD12G SAS Hot Plug SFF (2.5-inch) Mixed Use Solid State DrivesHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP4PE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP4PE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP4PE 400GB SAS 12G Mixed Use SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware SSDSATA Hot Plug SFF (2.5-inch) Midline (MDL) DrivesHPE 2TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware HDDNOTE: User may select any combination of SAS or SATA Hard Drives.SAS drives require the selection of a SAS controller. See card lists in ControllersSection. If B1401 is the primary controller, user can only select SATA drives.SATA Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty HeD801882-BSATA Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally SignedHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed<	HPE 2TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	872485-B2		
SAS drives require the selection of a SAS controller. See card lists in Controllers section. If B140i is the primary controller, user can only select SATA drives.126 SAS Hot Plug SFF (2.5-inch) Write Intensive Solid State DrivesP04541-B SSDHPE 400GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP04541-B 873351-B126 SAS Hot Plug SFF (2.5-inch) Mixed Use Solid State DrivesP04584-B 873351-B127 SAS Hot Plug SFF (2.5-inch) Mixed Use Solid State DrivesP09088-B P09088-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP09088-B P04525-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP04525-B 877359-BSATA Hot Plug SFF (2.5-inch) Midline (MDL) Drives873359-BHPE 2TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD655710-BNOTE: User may select any combination of SAS or SATA Hard Drives.SATA Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHPE 11B SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD655710-BNOTE: User may select any combination of SAS or SATA Hard Drives.SATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHPE 11B SATA 6G Midline 7.2K LFF (3.5in) RW 1yr Wty HDD801882-BHPE 415 SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed857648-BFirmware HDDHPE 10TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed857648-BFirmware HDDHPE 315 ATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware819203-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in)	HPE 1TB SAS 12G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	846524-B2		
section. If B1401 is the primary controller, user can only select SATA drives. <b>12G SAS Hot Plug SFF (2.5-inch) Write Intensive Solid State Drives</b> HPE 400GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD <b>12G SAS Hot Plug SFF (2.5-inch) Mixed Use Solid State Drives</b> HPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD <b>12G SAS Hot Plug SFF (2.5-inch) Mixed Use Solid State Drives</b> HPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD HPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD HPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD HPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD 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 HPE 1TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD HPE 1TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD NOTE: User may select any combination of SAS or SATA Hard Drives. SAS drives require the selection of a SAS controller. See card lists in Controllers section. If B1401 is the primary controller, user can only select SATA drives. SATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) Drives HPE 11B SATA 6G Midline 7.2K LFF (3.5in) RW 1yr Wty HDD 801882-B BATA 45P Mid IF (3.5-inch) Midline (MDL) Drives HPE 10TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed Firmware HDD HPE 10TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed Firmware HDD HPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware HPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware HPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware HPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDD 861750-B HPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC	NOTE: User may select any combination of SAS or SATA Hard Drives.			
12G SAS Hot Plug SFF (2.5-inch) Write Intensive Solid State DrivesP04541-BHPE 400GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed FirmwareP04541-BSSDSSD873351-B12G SAS Hot Plug SFF (2.5-inch) Mixed Use Solid State Drives873351-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP09088-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP04525-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP04525-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD87359-BSATA Hot Plug SFF (2.5-inch) Midline (MDL) Drives87559-BHPE 1TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD655710-BNOTE: User may select any combination of SAS or SATA Hard Drives.SAS drives require the selection of a SAS controller. See card lists in Controllers section. If B140i is the primary controller, user can only select SATA drives.SATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) RW 1yr Wty HDD801882-B801888-BSATA Hot Plug LFF (3.5-inch) Midline (MDL) Drives81785-BHPE 12TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed857648-BFirmware HDDHPE 10TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed Firmware819203-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware819203-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware819203-BHP				
HPE 400GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed FirmwareP04541-BSSDHPE 400GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware873351-BSSD12G SAS Hot Plug SFF (2.5-inch) Mixed Use Solid State DrivesP09088-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP09088-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP04525-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP04525-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 1yr Wty Digitally Signed Firmware SSD873359-BSATA Hot Plug SFF (2.5-inch) Midline (MDL) Drives765455-BHDDNOTE: User may select any combination of SAS or SATA Hard Drives.655710-BNOTE: User may select any combination of SAS or SATA Hard Drives.SATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) RW 1yr Wty HDD801882-BSATA Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) RW 1yr Wty HDD801882-BSATA Hot Plug LFF (3.5-inch) Midline (MDL) Drives881785-B881785-BHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed857648-BFirmware HDDHPE 10TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware819203-BHPE 8TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware819203-BHPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware819203-BHPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr W				
SSD873351-BHPE 400GB SAS 12G Write Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware873351-BSSD12G SAS Hot Plug SFF (2.5-inch) Mixed Use Solid State DrivesP09088-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP04525-BHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDP04525-BSATA Hot Plug SFF (2.5-inch) Midline (MDL) Drives873359-BSATA Hot Plug SFF (2.5-inch) Midline (MDL) Drives765455-BHDE 1TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD655710-BNOTE: User may select any combination of SAS or SATA Hard Drives.SAS drives require the selection of a SAS controller. See card lists in Controllers section. If B140i is the primary controller, user can only select SATA drives.SATA Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) RW 1yr Wty HDD801882-BHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty HDD801882-BSATA Hot Plug LFF (3.5-inch) Midline (MDL) Drives881785-BHPE 12TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed Firmware HDD857648-BHPE 10TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD857648-BHPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD857648-BHPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD861750-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDD861750-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed F	-			
SSD <b>12G SAS Hot Plug SFF (2.5-inch) Mixed Use Solid State Drives</b> HPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDHPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSDSATA Hot Plug SFF (2.5-inch) Midline (MDL) DrivesHPE 2TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware HDDHPE 1TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDDHPE 1TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDDHPE 1TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDDHPE 1TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDDHPE 1TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDDHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) RW 1yr Wty HDDSATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) RW 1yr Wty HDDSATA Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally SignedFirmware HDDHPE 1DB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally SignedHPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed FirmwareHDDHPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed FirmwareHDDHPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDDHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDDHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally		P04541-B2		
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SATA Hot Plug SFF (2.5-inch) Midline (MDL) Drives765455-BHPE 2TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty 512e Digitally Signed Firmware HDD655710-BHPE 1TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD655710-BNOTE: User may select any combination of SAS or SATA Hard Drives.SAS drives require the selection of a SAS controller. See card lists in Controllers section. If B140i is the primary controller, user can only select SATA drives.SATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) Drives801882-BHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) RW 1yr Wty HDD801882-BSATA Hot Plug LFF (3.5-inch) Midline (MDL) Drives801882-BHPE 12TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed881785-BFirmware HDDHPE 10TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed857648-BFirmware HDDHPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware819203-BHDEHPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware819203-BHDDHPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDD861750-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD82249-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD821780-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDD861750-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD87249-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD87249-B <td>HPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD</td> <td>P04525-B2</td>	HPE 400GB SAS 12G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P04525-B2		
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SAS drives require the selection of a SAS controller. See card lists in Controllers section. If B140i is the primary controller, user can only select SATA drives.SATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) RW 1yr Wty HDD801882-BBY A Colspan="2">SATA Mon-Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) RW 1yr Wty HDDSATA Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHPE 12TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally SignedBY A SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally SignedFirmware HDDHPE 10TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally SignedFirmware HDDHPE 8TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed FirmwareHDDHPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed FirmwareHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDD861750-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDDHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDDHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDDHPE 2TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDDHPE 2TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD <td <="" colspan="2" td=""><td>HPE 1TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD</td><td>655710-B2</td></td>	<td>HPE 1TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD</td> <td>655710-B2</td>		HPE 1TB SATA 6G Midline 7.2K SFF (2.5in) SC 1yr Wty Digitally Signed Firmware HDD	655710-B2
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SATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHPE 1TB SATA 6G Midline 7.2K LFF (3.5in) RW 1yr Wty HDD801882-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) RW 1yr Wty HDD801888-BSATA Hot Plug LFF (3.5-inch) Midline (MDL) Drives81785-BHPE 12TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed881785-BFirmware HDDHPE 10TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed857648-BFirmware HDDHPE 8TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware819203-BHDDHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDD861750-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872491-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872489-B	SAS drives require the selection of a SAS controller. See card lists in Controllers			
HPE 1TB SATA 6G Midline 7.2K LFF (3.5in) RW 1yr Wty HDD801882-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) RW 1yr Wty HDD801882-BSATA Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHPE 12TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally SignedFirmware HDDHPE 10TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally SignedFirmware HDDHPE 8TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed FirmwareHDDHPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed FirmwareHPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDD861750-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDDHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDDHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDDHPE 2TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDDHPE 2TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDDHPE 2TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDDHPE 2TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDDHPE 2TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	section. If B140i is the primary controller, user can only select SATA drives.			
HPE 4TB SATA 6G Midline 7.2K LFF (3.5in) RW 1yr Wty HDD801888-BSATA Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHPE 12TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed881785-BFirmware HDDHPE 10TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed857648-BFirmware HDDHPE 8TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware819203-BHDDRef 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed FirmwareHPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDD861750-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872491-BHPE 2TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872489-B	SATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) Drives			
SATA Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHPE 12TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed881785-BFirmware HDD857648-BHPE 10TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed857648-BFirmware HDD819203-BHDD819203-BHDD861750-BHPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDD861750-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872491-BHPE 2TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872489-B	HPE 1TB SATA 6G Midline 7.2K LFF (3.5in) RW 1yr Wty HDD	801882-B2		
HPE 12TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed881785-BFirmware HDDHPE 10TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed857648-BFirmware HDDHPE 8TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware819203-BHDDHPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDD861750-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872491-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872489-B	HPE 4TB SATA 6G Midline 7.2K LFF (3.5in) RW 1yr Wty HDD	801888-B2		
Firmware HDD857648-BHPE 10TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Helium 512e Digitally Signed857648-BFirmware HDDHPE 8TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware819203-BHDDHPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDD861750-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872491-BHPE 2TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872489-B	SATA Hot Plug LFF (3.5-inch) Midline (MDL) Drives			
Firmware HDD819203-BHPE 8TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e Digitally Signed Firmware819203-BHDDHPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDD861750-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872491-BHPE 2TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872489-B		881785-B2		
HDD861750-BHPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDD861750-BHPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872491-BHPE 2TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872489-B		857648-B2		
HPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872491-BHPE 2TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD872489-B		819203-B2		
HPE 2TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD       872489-B	HPE 6TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty 512e HDD	861750-B2		
HPE 2TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD       872489-B	HPE 4TB SATA 6G Midline 7.2K LFF (3.5in) SC 1yr Wty Digitally Signed Firmware HDD	872491-B2		
		872489-B2		
		861691-B2		

HPE 3.84TB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P06200-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	P06198-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	P06196-B21
HPE 960GB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	877752-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	P06194-B21
HPE 480GB SATA 6G Read Intensive SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	877746-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	877740-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
6G SATA Hot Plug SFF (2.5-inch) 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 1.92TB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	875478-B21
HPE 1.92TB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	877788-B21
HPE 960GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	P09716-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	P09712-B21
HPE 480GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	875470-B21
HPE 480GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	877776-B21
HPE 240GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	875483-B21
HPE 240GB SATA 6G Mixed Use SFF (2.5in) SC 3yr Wty Digitally Signed Firmware SSD	880295-B21
6G SATA Hot Plug LFF (3.5-inch) 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 960GB SATA 6G Read Intensive LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	877754-B21
HPE 480GB SATA 6G Read Intensive LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	P09687-B21
HPE 480GB SATA 6G Read Intensive LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	877748-B21
6G SATA Hot Plug LFF (3.5-inch) Mixed Use Solid State Drives	

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	HPE 1.92TB SATA 6G Mixed Use LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	P09724-B21
	HPE 1.92TB SATA 6G Mixed Use LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	875480-B21
	HPE 1.92TB SATA 6G Mixed Use LFF (3.5in) SCC 3yr Wty Digitally Signed Firmware SSD	877790-B21
	Mixed Use - 6G SATA - M.2 - Solid State Drives	
	HPE 480GB SATA 6G Mixed Use M.2 2280 3yr Wty Digitally Signed Firmware SSD	875490-B21
	HPE 240GB SATA 6G Mixed Use M.2 2280 3yr Wty Digitally Signed Firmware SSD	875488-B21
	Hard Drive Kits	
	HPE ML30 Gen9 8 Small Form Factor Hot Plug Hard Drive Cage Kit	822756-B21
	HPE ML30 Gen9 4 Large Form Factor Hot Plug Hard Drive Cage Kit	822608-B21
	HPE Large Form Factor Hard Drive Blank Kit	666986-B21
	HPE Small Form Factor Hard Drive Blank Kit	666987-B21
	HPE ML10v2 Drive Enablement Kit	812248-B21
	NOTE: Compatible with all chassis and supports NHP LFF Hard Disk. If ATX PSU is	
	installed, system support up to $2x$ . If RPS is installed, system support up to $1x$ .	
	M.2 SSD	
	HPE Universal SATA HHHL 3yr Wty M.2 Kit	878783-B21
HPE Networking	1 Gigabit Ethernet adapters	
	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 560SFP+ Adapter	665249-B21
	HPE Ethernet 10Gb 2-port 561T Adapter	716591-B21
	<b>NOTE:</b> Max=1 if selected with another x8 device.	
HPE Power	HPE Entry-Level Power Supplies	
Supplies	HPE ML30 Gen9 350W E-star 2.0 Power Supply Kit	822384-B21
	NOTE: Max=1.	
	<b>NOTE:</b> The HPE ML30 Gen9 350W E-star 2.0 Power Supply Kit supports Silver-level efficiency (no less than 85%) at all load.	
	HPE ML30 Gen9 4U Redundant Power Supply Enablement Kit	822607-B21
	<b>NOTE:</b> Required for 460W Hot Plug Power Supply. Max=1	
	HPE 460W Common Slot Gold Hot Plug Power Supply Kit	503296-B21
	NOTE: Must select 4U RPS Enablement Kit.	
	Max=2	
	Customer can select:	
	460W Hot Plug Power Supply x1 + 4U RPS Enablement Kit x1	
	460W Hot Plug Power Supply x2 + 4U RPS Enablement Kit x1	

HPE Cooling Optior	ns	
	HPE ML30 Gen9 Front PCI Fan Kit	820290-B21
HPE Computation		
and Graphics	HPE NVIDIA Quadro P2000 Graphics Accelerator	Q0V77A
Accelerators	HPE AMD Radeon Pro WX2100 Graphics Accelerator	Q1P47A

**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 your local sales representative for additional information.

information.		
HPE Insight Software	HPE Insight Control	0 ( N 10 7 A
oonnare	HPE Insight Control including 1yr 24x7 Technical Support and Updates 1-server LTU	C6N27A
	HPE Insight Control including 1yr 24x7 TSU E-LTU	C6N28ABE
	HPE Insight Control including 1yr 24x7 Support ProLiant ML/DL/BL-bundle Single Server FIO LTU	C6N36A
	HPE Insight Control Upgrade from iLO Advanced including 1yr 24x7 Support E-LTU	C6N38ABE
	<b>NOTE:</b> Electronic and Flexible-Quantity licenses can be used to purchase multiple license activation key.	_
	<ul> <li>NOTE: Customer will receive a license entitlement certificate. The license entitlement cer redeemed online or via fax in order to obtain the license activation key(s). Includes one y HPE Software Technical Support and Update Service.</li> <li>NOTE: Licenses ship without media. The HPE Insight Control Media Kit can be ordered s can be downloaded at: <u>https://www.hpe.com/info/insightmanagement</u>.</li> </ul>	ear of 24x7
	<b>NOTE:</b> For additional license options please see the <u>HPE Insight Control QuickSpecs</u> .	
Embedded	HPE iLO Advanced	
Management	HPE iLO Advanced 1-server License with 1yr Support on iLO Licensed Features	512485-B21
	HPE iLO Advanced 1-server License with 3yr Support on iLO Licensed Features	BD505A
	HPE iLO Advanced Flexible Quantity License with 3yr Support on iLO Licensed Features	BD506A
	HPE iLO Advanced AKA Tracking License with 3yr Support on iLO Licensed Features	BD507A
	HPE iLO Advanced Electronic License with 1yr Support on iLO Licensed Features	E6U59ABE
	HPE iLO Advanced Electronic License with 3yr Support on iLO Licensed Features	E6U64ABE
	HPE iLO Essentials	
	HPE iLO Essentials Electronic License with 3yr Support on iLO Licensed Features	E6U61ABE
	HPE iLO Essentials License with 3yr Support on iLO Licensed Features	BD774A
	HPE iLO Essentials License with 1yr Support on iLO Licensed Features	BD775A
	HPE iLO Essentials Electronic License with 1yr Support on iLO Licensed Features	E6U62ABE
HPE Security		
	HPE Trusted Platform Module 2.0 Kit	745823-B21
	<b>NOTE:</b> HPE Trusted Platform Module 2.0 Option works with Gen9 servers with UEFI Mode not Legacy Mode. It is not compatible with HPE ProLiant Gen8 servers or earlier generation variants.	
	<b>NOTE:</b> HPE Gen9 servers purchased earlier may need the latest firmware update to be compatible with the TPM 2.0 Option.	
	<b>NOTE:</b> HPE server systems can have a TPM module (of any type) installed only once. It cannot be replaced with any other TPM module.	
HPE Storage	SAS Controllers	
Controllers	HPE Smart Array P440/2GB FBWC 12Gb 1-port Int SAS Controller	820834-B21
	<b>NOTE:</b> Device Count - This controller can support up to 8 internal SAS/SATA devices Must select P440/P840 Cable Kit x1	

Max=1	
Must select Megacell battery $x1 + battery$ holder kit $x1$ if no other P-series controllers are selected.	
HPE Smart Array P440/4GB FBWC 12Gb 1-port Int SAS Controller	726821-B21
<b>NOTE:</b> Device Count - This controller can support up to 8 internal SAS/SATA devices Must select P440/P840 Cable Kit x1	
Must select Megacell battery x1 + battery holder kit x1 if no other P-series controllers are selected. Max=1	
HPE Smart Array P441/4GB FBWC 12Gb 2-ports Ext SAS Controller	726825-B21
<b>NOTE:</b> Must select Megacell battery x1 + battery holder kit x1 if no other P-series controllers are selected. Max=1	
HPE Smart Host Bus Adapters	
HPE H241 12Gb 2-ports Ext Smart Host Bus Adapter	726911-B21
NOTE: Max=1.	720711 D21
HPE H240 12Gb 2-ports Int Smart Host Bus Adapter	726907-B21
<b>NOTE:</b> Device Count - This controller can support up to 8 internal SAS/SATA devices.	/20/0/ 021
<b>NOTE:</b> Must select Mini SAS H240 Cable Kit (789648-B21) x1 for 4LFF model.	
NOTE: Must select Mini SAS H240 Cable Kit (789648-B21) x2 for 8SFF model.	
see: http://www.hpe.com/storage/storeever. For hardware and software compatibility backup products see: http://www.hpe.com/storage/spock. NOTE: Must select SAS controller to support internal SAS tape drives. NOTE: Tape drive and HDD total amount can't exceed SAS controller support qty. NOTE: Limited to H240 when select Tape Drive.	of HPE tape
Tape Drives	
HPE LTO-7 Ultrium 15000 Internal Tape Drive	BB873A
HPE StoreEver LTO-7 Ultrium 15000 External Tape Drive	BB874A
HPE StoreEver MSL LTO-7 Ultrium 15000 SAS Drive Upgrade Kit	N7P37A
HPE StoreEver LTO-6 Ultrium 6250 External Tape Drive	EH970A
HPE LTO-6 Ultrium 6250 Internal Tape Drive	EH969A
HPE StoreEver MSL LTO-6 Ultrium 6250 SAS Drive Upgrade Kit	COH27A
HPE StoreEver LTO-5 Ultrium 3000 SAS External Tape Drive	EH958B
HPE StoreEver MSL LTO-5 Ultrium 3000 SAS Drive Upgrade Kit	BL540B
HPE StoreEver LTO-5 Ultrium 3000 SAS Internal Tape Drive	EH957B
HPE StoreEver Mini-SAS High Density to 4-lane Mini-SAS External Fanout 2m Cable	K2R09A
HPE StoreEver Mini-SAS High Density to 4-lane Mini-SAS External Fanout 4m Cable	K2R10A
HPE ML30 Gen9 Tape Drive Cable Kit	851615-B21
<b>NOTE:</b> Required per RDX/LTO internal disk backup system if selected together with 350W ES1.0 or ES2.0 power supply.	
<b>NOTE:</b> HPE ML30 Gen9 server requires HPE ML30 Gen9 Tape Drive Cable Kit (851615-B21) for internal tape drive support.	
HPE DAT Autoloader	
HPE StoreEver 1/8 G2 LTO-7 Ultrium 15000 SAS Tape Autoloader	N7P35A
HPE StoreEver 1/8 G2 LTO-6 Ultrium 6250 Fibre Channel Tape Autoloader	COH19A

	HPE StoreEver 1/8 G2 LTO-5 Ultrium 3000 SAS Tape Autoloader	BL536B				
	HPE MSL2024 Tape Library					
	HPE StoreEver MSL2024 0-drive Tape Library	AK379A				
	HPE MSL4048 Tape Library					
	HPE StoreEver MSL4048 0-drive Tape Library	AK381A				
HPE Disk Backup	HPE RDX Removable Disk Backup System					
	HPE RDX 1TB Internal Disk Backup System	B7B67A				
	HPE RDX 1TB External Disk Backup System	B7B69B				
	HPE RDX500 USB3.0 Internal Disk Backup System	B7B64A				
	HPE RDX Internal Docking Station	C8S06A				
	HPE RDX External Docking Station	C8S07E				
	HPE RDX 2TB Internal Disk Backup System	E7X52A				
	HPE RDX 2TB External Disk Backup System	E7X53B				
	HPE RDX 3TB Internal Disk Backup System	P9L71A				
	HPE RDX 3TB External Disk Backup System	P9L71A				
	HPE RDX 4TB Internal Disk Backup System	Q2R32A				
	HPE RDX 4TB External Disk Backup System	Q2R33A				
	<b>NOTE:</b> HPE ML30 Gen9 server requires HPE ML30 Gen9 Tape Drive Cable Kit (851615, B21) for internal tape drive support					
	(851615-B21) for internal tape drive support.					
	<b>NOTE:</b> For the complete range of RDX drives and media see: https://www.hpe.com/us/en/product-catalog/storage/disk-based-backup-					
	see: <a href="https://www.npe.com/us/en/product-catalog/storage/disk-based-backup-">https://www.npe.com/us/en/product-catalog/storage/disk-based-backup-</a> <a href="mailto:systems.html">systems.html</a> . For hardware and software compatibility of HPE disk backup products					
	see: http://www.hpe.com/storage/spock					
	NOTE: Please see the HPE RDX Removable Disk Backup System QuickSpecs for					
	additional part numbers, technical specifications, and additional information.					
HPE Uninterruptible Power Systems (UPS)	<b>NOTE:</b> To learn more, please visit the <u>HPE Uninterruptible Power Systems (UPS)</u> web page.					
HPE USB and SD	HPE Enterprise Mainstream Flash Media Kits for Memory Cards					
		700139-B21				
	HPE Enterprise Mainstream Flash Media Kits for Memory Cards					
	HPE Enterprise Mainstream Flash Media Kits for Memory Cards HPE 32GB microSD Flash Memory Card	726116-B21				
	HPE Enterprise Mainstream Flash Media Kits for Memory Cards HPE 32GB microSD Flash Memory Card HPE 8GB microSD Flash Memory Card	726116-B21 737953-B21				
Options	HPE Enterprise Mainstream Flash Media Kits for Memory Cards HPE 32GB microSD Flash Memory Card HPE 8GB microSD Flash Memory Card HPE 8GB microSD Flash USB Drive	726116-B21 737953-B21				
Options	HPE Enterprise Mainstream Flash Media Kits for Memory Cards HPE 32GB microSD Flash Memory Card HPE 8GB microSD Flash Memory Card HPE 8GB microSD Flash USB Drive HPE 8GB Dual microSD Flash USB Drive	726116-B21 737953-B21 741279-B21				
Options HPE Support	HPE Enterprise Mainstream Flash Media Kits for Memory Cards HPE 32GB microSD Flash Memory Card HPE 8GB microSD Flash Memory Card HPE 8GB microSD Flash USB Drive HPE 8GB Dual microSD Flash USB Drive Installation & Start-up Services HPE Installation ML/DL Series 10 Service	726116-B21 737953-B21 741279-B21				
HPE USB and SD Options HPE Support Services	HPE Enterprise Mainstream Flash Media Kits for Memory Cards HPE 32GB microSD Flash Memory Card HPE 8GB microSD Flash Memory Card HPE 8GB microSD Flash USB Drive HPE 8GB Dual microSD Flash USB Drive Installation & Start-up Services	726116-B21 737953-B21 741279-B21 U7WZ5E				
Options HPE Support	HPE Enterprise Mainstream Flash Media Kits for Memory Cards HPE 32GB microSD Flash Memory Card HPE 8GB microSD Flash Memory Card HPE 8GB microSD Flash USB Drive HPE 8GB Dual microSD Flash USB Drive Installation & Start-up Services HPE Installation ML/DL Series 10 Service HPE Startup ML/DL Series 10 Service Foundation Care	726116-B21 737953-B21 741279-B21 U7WZ5E U7WZ5E				
Options HPE Support	HPE Enterprise Mainstream Flash Media Kits for Memory Cards         HPE 32GB microSD Flash Memory Card         HPE 8GB microSD Flash Memory Card         HPE 8GB microSD Flash Memory Card         HPE 8GB microSD Flash USB Drive         HPE 8GB Dual microSD Flash USB Drive         Installation & Start-up Services         HPE Installation ML/DL Series 10 Service         HPE Startup ML/DL Series 10 Service         HPE 3 year Foundation Care Next business day ML30 Gen9 Service	726116-B21 737953-B21 741279-B21 U7WZ5E U7WZ7E H1ASOE				
Options HPE Support	HPE Enterprise Mainstream Flash Media Kits for Memory Cards         HPE 32GB microSD Flash Memory Card         HPE 8GB microSD Flash USB Drive         HPE 8GB Dual microSD Flash USB Drive         Installation & Start-up Services         HPE Installation ML/DL Series 10 Service         HPE Startup ML/DL Series 10 Service         Foundation Care         HPE 3 year Foundation Care Next business day ML30 Gen9 Service         HPE 3 year Foundation Care Next business day with DMR ML30 Gen9 Service	726116-B21 737953-B21 741279-B21 U7WZ5E U7WZ7E H1AS0E H1AS1E				
Options HPE Support	HPE Enterprise Mainstream Flash Media Kits for Memory Cards         HPE 32GB microSD Flash Memory Card         HPE 8GB microSD Flash Memory Card         HPE 8GB microSD Flash Memory Card         HPE 8GB microSD Flash USB Drive         HPE 8GB Dual microSD Flash USB Drive         HPE 8GB Dual microSD Flash USB Drive         Installation & Start-up Services         HPE Installation ML/DL Series 10 Service         HPE Startup ML/DL Series 10 Service         Foundation Care         HPE 3 year Foundation Care Next business day ML30 Gen9 Service         HPE 3 year Foundation Care 24x7 ML30 Gen9 Service	726116-B21 737953-B21 741279-B21 U7WZ5E U7WZ7E H1AS0E H1AS1E H1AS6E				
Options HPE Support	HPE Enterprise Mainstream Flash Media Kits for Memory Cards         HPE 32GB microSD Flash Memory Card         HPE 8GB microSD Flash USB Drive         HPE 8GB Dual microSD Flash USB Drive         Installation & Start-up Services         HPE Installation ML/DL Series 10 Service         HPE Startup ML/DL Series 10 Service         Foundation Care         HPE 3 year Foundation Care Next business day ML30 Gen9 Service         HPE 3 year Foundation Care Next business day with DMR ML30 Gen9 Service	700139-B21 726116-B21 737953-B21 741279-B21 U7WZ5E U7WZ7E H1AS0E H1AS1E H1AS6E H1AS7E H1AX4E				

HPE 3 year Foundation Care 24x7 with CDMR ML30 Gen9 Service	H1AX7E
Proactive Care	
HPE 3 year Proactive Care 24x7 ML30 Gen9 Service	H1AS8E
HPE 3 year Proactive Care 24x7 with DMR ML30 Gen9 Service	H1AS9E
HPE 3 year Proactive Care 24x7 with CDMR ML30 Gen9 Service	H1AX8E
NOTE: For a full list of packaged support services, please	
visit http://www.hpe.com/services/ssc.	

#### QuickSpecs

### Memory

### NOTE: Memory configurations listed do not apply to "Factory Integrated Models".

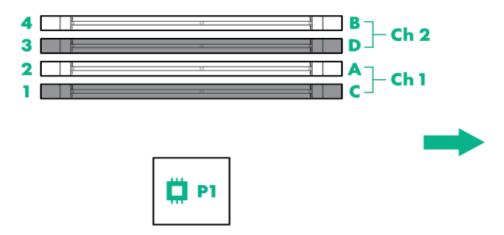
#### **HPE Standard Memory**

HPE Standard Memory is unique technology which is designed to work on 10/100 series Rack and Tower server. In Gen9 Server HPE Standard Memory has passed HPE's rigorous qualification and test processes. HPE Standard Memory is a certified HPE options and will provide a platform to allow future memory-related support enhancements through HPE Active Health System, System Insight Management and Insight Control management software.

#### **DDR4 memory population guidelines**

For detailed memory configuration rules and guidelines, please use the Online DDR4 Memory Configuration Tool: <u>http://www.hpe.com/servers/ddr4memoryconfig</u>.

#### **Memory Population guidelines**



#### **General Memory Population Rules and Guidelines**:

- . The HPE ProLiant ML30 Gen9 Server has four memory slots
- . There are two channels per server with two DIMM slots per channel
- . Memory channel 1 consists of the two (2) DIMMs that are closest to the processor
- . Memory channel 2 consists of the two (2) DIMMs that are furthest from the processor
- . Support for single/dual-rank 2133 MT/s ECC UDIMM (unbuffered DIMMS)
- . The server supports up to 64 GB (4 x 16-GB) for Unbuffered DIMMs
- . No support for LRDIMMs; RDIMMs; Non-ECC UDIMMs
- . Do not install DIMMs if the processor is not installed
- . Populate DIMMs from heaviest load (double-rank) to lightest load (single-rank)
- . Non-ECC DIMMs are not supported
- . Always use HPE qualified DIMMs

### Memory

### Intel Gen9 Supported Memory Bandwidth for HPE ProLiant Gen9 Intel® Xeon® E3-1200v5 Series Processor Family

[DIMM Type]		Unbuffered with EC	CC DIMMs (UDIMMs)	
HPE SKU P/N	819880-B21	805671-B21	862974-B21	862976-B21
DIMM Rank	Single Rank	Dual Rank	Single Rank	Dual Rank
DIMM Capacity	8GB	16GB	8GB	16GB
Voltage	Std Voltage 1.2V	Std Voltage 1.2V	Std Voltage 1.2V	Std Voltage 1.2V
DIMM Native Speed (MT/s)	2133	2133	2400	2400
SLOTS THAT CA	N BE POPULATED			
4 slot servers	4	4	4	4
MAXIMUM CAPA	CITY (GB)			
	32	64	32	64
POPULATED DIN	1M SPEED (MT/s)		1	
1 DIMM Per Channel	2133	2133	2400	2400
2 DIMM Per Channel	2133	2133	2400	2400

DIMM slot and configuration diagram

### Standard memory replaced with optional memory (1 CPU model)

- Population order; start with "A" first, "B" second, "C" third, etc.
- Population order; start with "A" first, "B" second, "C" third, etc.
- When two processors are installed, install DIMMs in sequential alphabetic order: CPU1-A, CPU2-A, CPU1-B, CPU2-B, CPU1-C, CP2-C

CPU 1			
	Slot #	Population order	
Chnl 1	1	С	
	2	A	

CPU 1			
Slot # Population order			
Chnl 2	3	D	
	4	В	

### Memory

E3-1220v5, E3-1230v5, E3-1240Lv5, E3-1240v5, E3-1270v5, i3-6300, i3-6100, G4400, G4500	2133MT/s
E3-1220v6, E3-1230v6, E3-1240v6, E3-1270v6, E3-1278v6, i3-7300, i3-7100, G4560, G4600	2400MT/s

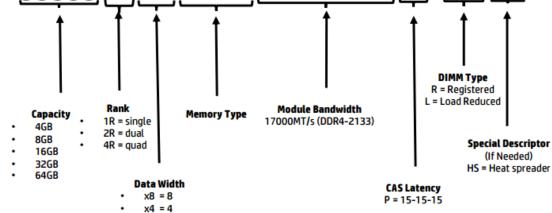
Maximum Memory Capacity (Pre-		-	Optional Memory	Standard Memory Replaced with Optional Memory
configured	E3-1240v5	8GB (1x8GB)	56GB (3x16GB, 1x8GB)	64GB(4x16GB)
Models)	E3-1220v5	4GB (1x4GB)	52GB (3x16GB, 1x4GB)	64GB(4x16GB)
	E3-1240v6	8GB (1x8GB)	56GB (3x16GB, 1x8GB)	64GB(4x16GB)
	E3-1220v6	8GB (1x8GB)	56GB (3x16GB, 1x8GB)	64GB(4x16GB)

#### DDR4 memory options part number decoder

NOTE: Capacity references are rounded to the common gigabyte (GB) values:

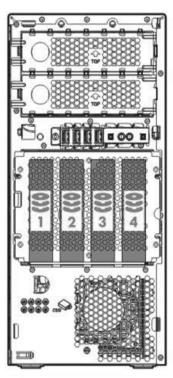
- 2GB = 2,048MB
- 4GB = 4,096MB
- 8GB = 8,192MB
- 16GB = 16,384MB
- 32GB = 32,768MB
- 64GB = 65,536MB

# HP ggggg eRxff DDR4 wwwwm a bb-ccd Kit

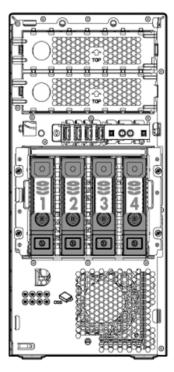


### Storage

### 4-Bay LFF non-hot-plug drive model



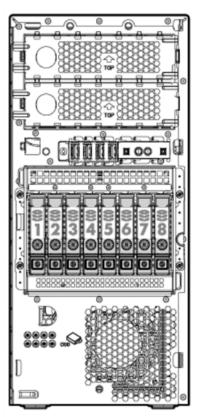
1-4 4 x LFF SATA/SSD Non-hot-plug Hard Drive Bays



### 4-bay LFF hot-plug drive model

### Storage

### 8-bay SFF hot-plug drive model



1-8 8 x SFF SATA/SSD Hot Pluggable Hard Drive Bays

### Maximum Storage Capacity

Total (4 LFF Drive)32TBTotal (8 SFF Drive)16TB

## **Technical Specifications**

System Unit	<b>Tower Dimensions</b> (H x W x D)	14.50 x 6.8	89 x 18.7 in (3	56.82 x 17.5 x 47.52 cm)
	Tower Weight	Minimum:		27.1lb(13.56kg)
		Maximum:		30.8lb(15.4kg)
	Input Requirements	Range Line	e Voltage	100 to 120 VAC
		Rated Inpu Rated Inpu	it Current it Frequency	2.5 to 6 Amps
		Range Line	e Voltage	47 to 63 Hz
		Rated Inpu	It Current	412W to 526W at 115 V AC input
				412W to 523W at 230 V AC input
	BTU Rating	Maximum		460W - 1773 BTU / hr (at 120 VAC), 1715 (at 240 VAC)
	Power Supply Output	Rated	Steady-State	2 350 W (at 115 VAC)
		Power		350 W (at 230 VAC)
		Maximum	Peak Power	350 W (at 115 VAC)
				350 W (at 230 VAC)
	System Inlet Temperature	Standard Support	Operating	10° to 35°C (50° to 95°F) at sea level with an altitude derating of 1.0°C per every 304.8 m (1.8°F per every 1000 ft) above sea level to a maximum of 3048 m (10,000 ft), no direct sustained sunlight. Maximum rate of change is 10°C/hr (18°F/hr). The upper limit may be limited by the type and number of options installed. System performance may be reduced if operating with a fan fault or above 30°C (86°F).
		Non-opera	iting	-30° to 60°C (-22° to 140°F). Maximum rate of change is 20°C/hr (36°F/hr).
	Relative Humidity	Operating		10 to 90% relative humidity (Rh), 28°C (82.4°F) maximum wet bulb temperature.
		Non-opera	iting	5 to 95% relative humidity (Rh), 38.7°C (101.7°F) maximum wet bulb temperature, noncondensing.
	Altitude	Operating		3048 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-opera	iting	9144 m (30,000 ft). Maximum allowable altitude change rate is 457 m/min (1500 ft/min).
	Acoustic Noise	average by the produc measured	/stander positi t is operating i in accordanc	Weighted sound power levels (LWAd) and declared ion A-Weighted sound pressure levels (LpAm) when n a 23°C ambient environment. Noise emissions were with ISO 7779 (ECMA 74) and declared in 26 (ECMA 109).
		Idle		
		LWAd		4.2 Bels (1P LFF Base)
				3.7 Bels (1P LFF Performance)
		LpAm		27 dBA (1P LFF Base)
				23 dBA (1P LFF Performance)

## **Technical Specifications**

		Operating			
		LWAd	4.2 Bels (1P LFF Base)		
			3.8 Bels (1P LFF Performance)		
		LpAm	27 dBA (1P LFF Base)		
			23 dBA (1P LFF Performance)		
			tested for 1P LFF Base models include one (1) 1TB D and Windows 2012 Enterprise 64-bit.		
		(1) 1TB LFF SATA Mid <b>NOTE:</b> The Listed sour	tested for 1P LFF Performance models include one lline HDD and Windows 2012 Enterprise 64-bit. nd levels apply to standard shipping configurations. result in increased sound levels.		
			ted do not account for non-Hewlett Packard		
		Enterprise installed ha	rdware.		
	Emissions Classification	FCC Rating	Class B		
	(EMC)	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		
		sample (type) testing,	mance to cited product specifications is based on evaluation, or assessment. This product or family of to bear the appropriate compliance logos and		
HPE Dynamic Smart	Number of PCI links	Four			
Array B140i	PCI link rate	4Gb/s			
Controller	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 co	nnectors		
	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 2-	• Network Interface	10Base-T/100Base-TX	/1000Base-TX		
port 332i Adapter	Compatibility	IEEE 802.3 10Base-T			
	. /	IEEE 802.3ab 1000Bas	e-T		
		IEEE 802.3u 100Base-			
	Data Transfer Method	PCI Express, two lanes (	(x2)		

### **Technical Specifications**

Controller	BCM5720	
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-Duple>	x) 200 Mb/s per port, 800 Mb/s combined
	1000Base-TX (Half-Duplex)	1000Mb/s per port, 4000 Mb/s combined
	1000Base-TX (Full-Duplex)	2000Mb/s per port, 8000 Mb/s combined
Connector	RJ-45	
Cable Support	10 Base-T 10/100/1000 Base-TX	Categories 3, 4 or 5 UTP; up to 328 ft (100 m) Category 5 or higher UTP; up to 328 ft (100 m)

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The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard Enterprise web site. These instructions may be used by recyclers and other WEEE treatment facilities as well as Hewlett Packard Enterprise OEM customers who integrate and re-sell Hewlett Packard Enterprise equipment.

http://www.hpe.com/recycle

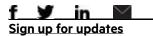
## Summary of Changes

Date	Version History	Action	Description of Change	
03-Dec-2018	Version 28	Changed	Standard Features, SMB Models, Configuration Information and Core Options sections were updated	
01-Oct-2018	Version 27	Changed	Models, Core Options and Additional Options sections were updated. SKU descriptions were updated. Obsolete SKUs were removed from the QuickSpecs. Removed MSL Base Modules.	
06-Aug-2018	Version 26	Added	Added new Solid State Drives to the HPE Drives section.	
_		Changed	Core Options and Additional Options were revised.	
		Removed	Obsolete SKUs were removed from the QuickSpecs.	
04-Jun-2018	Version 25	Added	HPE AMD Radeon Pro WX2100 Graphics Accelerator was added.	
02-Apr-2018	Version 24	Changed	SKU descriptions were revised.	
05-Mar-2018	Version 23	Changed	Maximum Internal Storage and SMB Models were revised.	
		Removed	Obsolete SKUs were removed from the QuickSpecs.	
05-Feb-2018	Version 22	Added	Added new SMB Bundle offering.	
04-Dec-2017	Version 21	Added	Added new HPE 12TB SATA 6G Midline 7.2K LFF (3.5in) LP 1yr Wty Helium 512e Digitally Signed Firmware HDD.	
23-Oct-2017	Version 20	Changed	Care Pack naming and Service and Support- Parts and Materials updated.	
25-Sep-2017 V	Version 19	Added	Added new Solid State Drives to the HPE Drives section. Added new Storage options.	
		Changed	Core Options and Additional Options were revised.	
		Removed	Obsolete SKUs were removed from the QuickSpecs.	
07-Aug-2017	Version 18	Added	Added new Solid State Drives to the HPE Drives section.	
11-Jul-2017	Version 17	Changed	HPE Disk Backup section was revised.	
15-May-2017	Version 16	Added	Added support for E3-1200v6 processors. New memory options were added. Added new Pre-configured Models.	
		Changed	Processors, Memory, and Pre-configured Models were revised.	
08-May-2017	Version 15	Added	Added support for ClearOS.	
		Changed	Operating Systems and Virtualization Software Support for ProLiant Servers and HPE Drives were revised.	
		Removed	Obsolete SKUs were removed from the QuickSpecs.	
27-Mar-2017	Version 14	Added	Added new Hard Drives.	
13-Feb-2017	Version 13	Added	Added new HDD and SSD offering to the HPE Drives section.	
06-Jan-2017	Version 12	Changed	HPE Drives and HPE Tape Backup sections were revised.	
09-Dec-2016	Version 11	Changed	Smart Buy models section in the NA version was revised.	
28-Nov-2016	Version 10	Added	Added new Hard Drives offering. Added new M2000 GPU option.	
		Changed	HPE Unique Options and HPE Computation and Graphics Accelerators were revised.	
		Removed	Obsolete SKUs were removed from the QuickSpecs.	
28-Oct-2016	Version 9	Removed	Obsolete Hard Drives were removed from the QuickSpecs.	
15-Aug-2016	Version 8	Added	Added HPE ML30 Gen9 Tape Drive Cable Kit to the Unique Options section. Added T750, T1000, and T1500 G4 Tower UPS models.	
		Changed	HPE Hard Drives section was revised.	
08-Jul-2016	Version 7	Changed	Smart Buy models section was revised for the NA version only.	
06-Jun-2016	Version 6	Added	Added new HDD offering to the HPE Drives section.	

### **Summary of Changes**

08-Apr-2016	Version 5	Changed	HPE Processors section was revised.
31-Mar-2016	Version 4	Added	Added new HPE TMP 2.0 module, and new RDX Disk Backup Systems.
		Changed	Embedded Management, Security, Service and Support, and Pre-configured Models sections were revised.
		Removed	Obsolete SKUs were removed from the QuickSpecs.
16-Feb-2016	Version 3	Added	New HDD offering was added to HPE Drives.
		Changed	HPE Unique Options and HPE Tape Backup were revised.
		Removed	Obsolete SKUs were removed from the QuickSpecs.
17-Dec-2015	Version 2	Added	Smart Buy models were added to the NA version.
		Changed	Chipset, Pre-configured Models, HPE Drives, HPE Power Supplies, HPE Tape Backup, Maximum Storage Capacity, and Technical Specifications were revised.
01-Dec-2015	Version 1	New	New QuickSpecs.





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