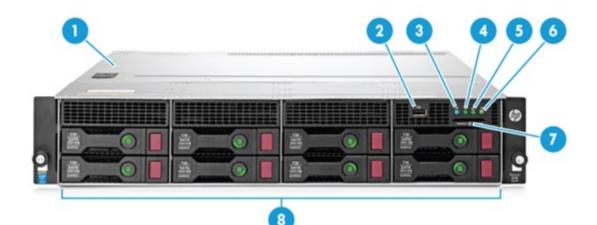
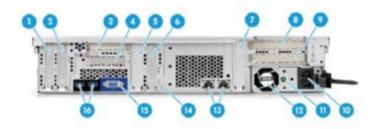
Overview

The HP ProLiant DL80 Gen9 Server is designed with affordable storage, networking and processor scalability, and manageability in a 2U server for cost conscious service provider and SMBs. Apart from basic IT infrastructure workloads this server is ideal for running storage capacity intensive applications like cold storage, back-up due to compelling cost/GB that it offers.



Front View

- 1. Access Panel (Top Cover)
- 2. USB 2.0 connector
- 3. UID button/LED
- 4. Health LED
- 5. NIC status LED
- 6. Power On/Standby button and system power LED
- 7. Serial label pull tab
- 8. 8-bay LFF drive cage bay



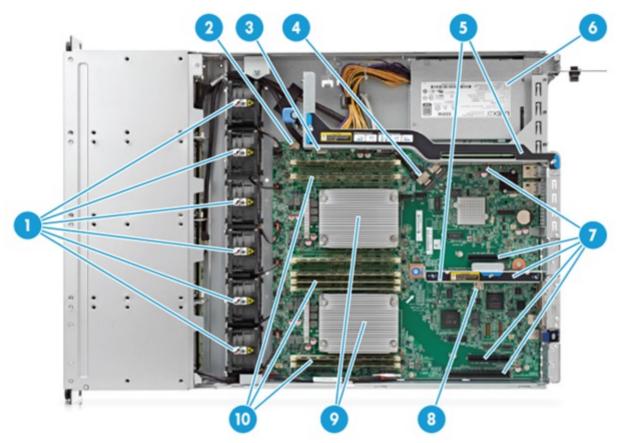
Rear view

- 1. Slot 7 PCIe3 x16 low-profile, standup
- 2. Slot 6 PCIe3 x8 low-profile, standup
- 3. Slot 4 PCIe3 x8 low-profile, riser (optional)
- 4. Slot 5 PCIe3 x8 FlexibleLOM riser (optional)
- 5. Slot 4 PCIe3 x16 low-profile, standup
- 6. Slot 3 PCIe3 x8 low-profile, standup
- 7. Slot 1 PCIe3 x16 low-profile, standup
- 8. Slot 1 PCIe3 x16 full-height, full-length GPU riser (optional) or Slot 1 PCIe3 x8 (8, 4, 1) full-height, half-length riser (optional)
- 9. Slot 2 PCIe3 x8 full-height half-length riser (optional)
- 10. Power supply power connection
- 11. Power supply status LED
- 12. Non-hot-plug power supply



Overview

- 13. Embedded 2x1GbE network adapter
- 14. UID LED
- 15. Video connector
- 16. USB 3.0 connectors



Internal View

- 1. Fans shown with 6 Hot-swap fans
- 2. HP Smart Storage Battery connector (optional)
- 3. Internal USB 3.0 connector
- 4. Embedded HP Smart Array B140i Controller
- 5. PCle riser kits
- 6. (Under) Non-Hot Plug HP Power supply
- 7. PCIe 3.0 slots
- 8. MicroSD card slot
- 9. 2 Processors, heatsink showing, with HP Smart Socket Guide
- 10. HP DDR4 SmartMemory DIMM slots. Shown fully populated in 8 slots (4 per processor)

Standard Features

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

Intel[®] Xeon[®] processor E5-2600 v3 product family is designed to deliver the best combination of performance, built-in capabilities, and cost-effectiveness. One (or two) of the following Intel[®] Xeon[®] E5-2600 v3 processors based on the model.

Processor	Model	CPU frequency	Cores	L3 Cache	Power	QPI	DDR4 Hz	
One of the following	E5-2660v3	2.6GHz	10	25MB	105W	9.6GT/s	2133	
depending on Model	E5-2650v3	2.3GHz	10	25MB	105W	9.6GT/s	2133	
	E5-2650Lv3	1.8GHz	12	30MB	65W	9.6GT/s	2133	
	E5-2640v3	2.6GHz	8	20MB	90W	8.0GT/s	1866	
	E5-2630v3	2.4Ghz	8	20MB	85W	8.0GT/s	1866	
	E5-2630Lv3	1.8GHz	8	20MB	55W	8.0GT/s	1866	
	E5-2623v3	3.0GHz	4	10MB	105W	8.0GT/s	1866	
	E5-2620v3	2.4GHz	6	15MB	85W	8.0GT/s	1866	
	E5-2609v3	1.9GHz	6	15MB	85W	6.4GT/s	1600	
	E5-2603v3	1.6GHz	6	15MB	85W	6.4GT/s	1600	
On System Management	http-//www.int	e information rega tel.com/products/s	server/chi					
Chipset		11 E HF 1204 2.0) 201						
One of the following	NOTE= For more	e information, visit	=http=//w	ww.hp.com/a	o/ilo			
depending on model		,						
Memory	Туре							
One of the following	HP SmartMemory							
depending on model	DDR4 Registered (RDIMM) or Load Reduced (LRDIMM)							
	DIMM Slots Available 8 (4 DIMM slots per processor, 4 channel processor, 1 DIMMs per channel)						annels per	
	Maximum Capa (LRDIMM)	ncity 256GB		•	32GB LRDIMM	•		
	Maximum Capacity 128GB (8 x 16GB RDIMM @2133MHz) (RDIMM)							
Memory Protection One of the following	Advanced ECC						and correct sing	
-	and all multibit error that occurs within a single DRAM chip. Online spare Memory online spare mode detects a rank that is degrading and switches operation to the spare rank.							

Standard Features

Expansion Slots

Motherboard slots	Expansion Slots #	Technology	Bus Width	Connector Width	Bus Number	Form Factor	Notes
(Standard)	1	PCle 3.0	x16	x16		Low Profile	CPU 1 slots
	3	PCle 3.0	x8	x8		Low Profile	CPU 1 slots
	4	PCle 3.0	x16	x16		Low Profile	CPU 1 slots
	6	PCle 3.0	x8	x8		Low Profile	CPU 2 slots
	7	PCIe 3.0	x16	x16		Low Profile	CPU 2 slots

NOTE- Bus Width data indicates the number of physical electrical lanes running to the connector.

Primary Riser (Optional)	Expansion Slots #	Technology	Bus Width	Connector Width	Bus Number	Form Factor	Notes
	1	PCle 3.0	x8	x8		Full-height, half-length Slot	CPU 1 slots
	2	PCle 3.0	X8	x8		Full-height, half-length Slot	CPU 1 slots
Flexible LOM Riser	Expansion Slots #	Technology	Bus Width	Connector Width	Bus Number	Form Factor	Notes

Riser	Slots #			Width		
(Optional)	4	PCIe 3.0	x8	x8	Low profile	CPU 1 slots
	5	PCle 3.0	X8	x8	Flexible LOM	CPU 1 slots

NOTE= Flexible LOM riser kit will be available in FYQ1'15.

NOTE: This riser is mandatory for installing Flexible LOMs & has to be installed in Primary riser slot.

GPU riser (Optional)	Expansion Slots #	Technology	Bus Width	Connector Width	Bus Number	Form Factor	Notes
	1	PCle 3.0	x16	x16		Full Height, Full Length Slot	CPU 1 slots

NOTE: When populating slots on second riser, a second processor must be installed.

Storage Controller One of the following depending on Model	Entry Models NOTE= Provides support RAID 0, 1 & 5.	HP Dynamic Smart Array B140i Controller for up to 10 SATA drives and data transmission speeds up to 6Gb/s and supports	
	Base Models	HP H240 FIO Smart Host Bus Adapter	
	NOTE= H240 Provides support for up to 8 SAS/SATA drives, data transmission speeds up to 12Gb/s and supports RAID 0, 1 & 5.		
Internal Storage Devices One of the following	Optical Drives Hard Drives	Via USB only None ship standard	
depending on Model	Hard Drive Bays	12 LFF drive bays total without Optical Bay 8 LFF drive bays total without Optical Bay	



Standard Features **Maximum Internal** CAPACITY **CONFIGURATION** Storage 72.0TB Hot Plug LFF SAS 12 x 6TB (with 12LFF One of the following drive cage) depending on Model Hot Plug LFF SATA 72.0TB 12 x 6TB (with 12LFF drive cage) Non-Hot Plug LFF SATA 19.2TB 12 x 1.6TB (with 12LFF drive cage) Hot Plug LFF SATA SSD 4.8TB 8 x 600GB (with 8LFF drive cage)

Power Supply

One of the following depending on Model

HP 550W FIO Power Supply HP 800W/900W Gold AC Power Input Module

HP 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 HP ProLiant Gen9 Essential Series servers.

The HP 550W FIO Power Supply is the standard, non-redundant AC power supply option for most HP ProLiant Gen9 Essential servers. It features Silver-level (89%) certified power efficiency with a set of features optimized for the Gen9 Essential-series rack and tower servers.

The HP 800W Gold (Redundant)/900W (Non-Redundant) AC Power Input Module with Power Backplane can be configured to support power redundancy in ProLiant servers that offer only a single power supply bay, 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. Each power backplane option can support up to two (2) hot-plug AC power input modules.

All pre-configured servers ship with a standard 6-foot IEC C-13/C-14 jumper cord (AOKO2A). 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 HP Power Advisor Tool located at http=//www.hp.com/go/hppoweradvisor.

System Fans		Non-redundant	Redundant		
One of the following	1P model	3 fans	5 fans		
depending on Model	NOTE= Redundant and non redundant fan counts vary with riser selection. 1P configurations either one of primary and secondary risers need 3 fans in non redundant configuration and				
		Non-redundant	Redundant		
	2P model	4 fans	6 fans		
	NOTE ² Customers may separately purchase redundant fans with the 765516-B21 option kit. Additional fans (two) are also included in -B21 processor option kits when upgrading from one processor to two processors. NOTE ² All the riser option kits ship with necessary fan option kits.				



Standard Features					
Interfaces	Video	1 (Vaux Support)			
	LOM Network Ports	2 x 1GbE ports			
	Micro SD Slot 1 Micro SD				
	NOTE: The SD slot is not a hot-pluggable device. Customers should not attempt to plug an SD card into the SD slot while the server is powered.				
	USB	Up to 4 USB ports (standard)∓ Front=1xUSB 2.0 std∓(1xUSB2.0 optional upgrade with quick release ears) Rear=2xUSB 3.0 Internal=1x USB 3.0			
	NOTE =12LFF drive cage models	with Quick release latch rack ears supports front USB 2.0.			
Operating Systems and Virtualization Software Support for ProLiant Servers	Microsoft Windows Server Red Hat Enterprise Linux (RHEL) SUSE Linux Enterprise Server (S Oracle Solaris VMware	LES)			
	NOTE ² For more information on HP'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 ² http ² //www.hp.com/go/ossupport and our driver download page http ² //www.hp.com/support/DL80Gen9.				
Upgradeability One of the following depending on Model	Upgradeable to two processors (24 cores) Up to 8 DIMM slots NOTE ² To take advantage of DIMMs 5-8, a second processor must be installed. FlexibleLOM slot for 1Gigabit or 10 Gigabit Ethernet or QDR/FDR InfiniBand networking options NOTE ² To take advantage of the additional 2 PCI slot upgrade, a second processor must be installed. Redundant Power Supply Redundant Fan				
Industry Standard Compliance	ACPI 2.0b Compliant PCIe 3.0 Compliant PXE Support WOL Support Microsoft® Logo certifications USB 3.0 Support ASHRAE A3 NOTE = Supports A3 extended ambience. NOTE = Refer to technical specifications section for more details.				
Graphics	Integrated Matrox G200eH2 vide • 1280 x 1024 (32 bpp) • 1920 x 1200 (16 bpp)	eo standard			



Standard Features

HP Server UEFI/Legacy ROM	 HP Server UEFI /Legacy ROM Unified Extensible Firmware Interface (UEFI) is an industry standard that provides better manageability and more secured configuration while interacting with your server at boot time. HP ProLiant Gen9 platform defaults to UEFI and can be factory or field configured for Legacy BIOS Boot Mode. NOTE*The UEFI System Utilities function is analogous to the HP ROM-Based Setup Utility (RBSU) of Legacy BIOS. For more information, please visit http?//www.hp.com/go/proliantuefi/docs. UEFI enables numerous new capabilities specific to HP ProLiant servers such as* Secure Boot Operating system specific functionality Support for > 2.2 TB (using GPT) boot drives USB 3.0 Stack Embedded UEFI Shell Mass Configuration Deployment Tool using HP RESTful API. YZE boot support for IPv6 networks Boot support for option cards that only support a UEFI option ROM For more information please visit http?//www.hp.com/go/proliant/uefi. MDTE*For UEFI Boot Mode, boot environment and OS image installations should be configured properly to support UEFI. MOTE*For UEFI FIO Setting (758959-B22) can be selected to configure the system in Legacy mode in the factory. 				
Form Factor One of the following depending on Model	2U Rack form factor All models ship with Easy Install rails (Cable management arm optional). 8 LFF Drive Bay Version ⁻ 3.44 (8.75cm) Height x 17.54 8 (44.55 cm) Width x 23.9 8 (60.70 cm) Length 12 LFF Drive Bay Version ⁻ 3.44 (8.75cm) Height x 17.54 8 (44.55 cm) Width x 23.9 8 (60.70 cm) Length				
Embedded Management	HP Integrated Lights-Out (HP iLO)	Monitor your servers for ongoing management, service alerting, reporting and remote management with HP iLO. Learn more at http=//www.hp.com/go/ilo.			
	UEFI	Configure and boot your servers securely with industry standard Unified Extensible Firmware Interface (UEFI). Learn more at http=//www.hp.com/go/ProLiant/uefi.			
	HP RESTful API	RESTful API is an application programming interface. RESTful Web Service API served by iLO's web server=Learn more at http=//www.hp.com/go/restfulapi.			
	Intelligent Provisioning	Provision servers by discovering and deploying 1 to few servers with Intelligent Provisioning. Learn more at http=//www.hp.com/go/intelligentprovisioning.			
	Embedded Remote Support	HP's embedded remote support, when used with Insight Online direct connect or HP Insight Remote Support, allows HP ProLiant servers to transmit hardware events directly to HP or an HP Authorized Partner for automated phone home support. Learn more at http=//www.hp.com/go/insightonline/info.			
	NOTE- For more information, visit ⁻ http ⁻ //www.hp.com/go/ilo or HP iLO Management Engine technologies whitepaper.				

Standard Features

Server utilities	HP Smart Update	Optimize firmware and driver updates with HP Smart Update solutions. Learn more at http=//www.hp.com/go/smartupdate.
	HP Systems Insight Manager (HP SIM)	HP SIM allows you to monitor the health of your HP ProLiant Servers and HP Integrity Servers, and also provides you with basic support for non-HP servers. HP SIM also integrates with HP SUM to provide quick and seemless firmware updates. Learn more at http=//www.hp.com/go/sim.
	HP OneView Standard	HP OneView Standard can inventory, monitor, alert, and report on your G6, G7, Gen8, and Gen9 servers, while using the HP OneView user interface. Annual support is optionally available. Learn more at http=//www.hp.com/go/oneview.
	Scripting Tool Kit and Windows PowerShell	Provision 1 to many servers using your own scripts to discover and deploy them with HP Scripting Tool Kit for Windows and Linux or HP Scripting Tools for Windows PowerShell. Learn more at http=//www.hp.com/go/ProLiantSTK or http=//www.hp.com/go/powershell.
	HP RESTful Interface Tool	HP RESTful Interface tool is a scripting tool to provision servers using RESTful API Interface to discover and deploy servers at scale. Learn more at http=//www.hp.com/go/restfulapi.
	HP 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=http=//www.hp.com/go/ilo/mobileapp.
	HP Insight Online	HP Insight Online, available at no additional cost as part of your HP warranty, Care Pack or contractual support agreement with HP, is a personalized dashboard for simplified tracking of IT operations and support information from anywhere, anytime. Learn more at http=//www.hp.com/go/insightonline/info.
Security	Power-on password Serial interface control Administrator's password TPM 1.2 UEFI	



Standard Features

Warranty

This product is covered by a global limited warranty and supported by HP Services and a worldwide network of HP Authorized Channel Partners resellers. Hardware diagnostic support and repair is available for three years from date of purchase. Support for software and initial setup is available for 90 days from date of purchase. Enhancements to warranty services are available through HP Care Pack services or customized service agreements. Hard drives have either a one year or three year warranty∓refer to the specific hard drive QuickSpecs for details.

NOTE² Server Warranty includes 1-Year Parts, 1-Year Labor, 1-Year Onsite support with next business day response. Warranty repairs may be accomplished through the use of Customer Self Repair (CSR) parts. These parts fall into two categories⁻¹) Mandatory CSR parts are designed for easy replacement. A travel and labor charge will result when customers decline to replace a Mandatory CSR part⁺²) Optional CSR parts are also designed for easy replacement but may involve added complexity. Customers may choose to have HP replace Optional CSR parts at no charge. Additional information regarding worldwide limited warranty and technical support is available at⁻

http⁻//h18004.www1.hp.com/products/servers/platforms/warranty/index.html.



Optional Features		
Embedded Management	iLO Essentials	HP 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 HP iLO Essentials at http=//www.hp.com/go/iLO/essentials.
	iLO Scale-Out	HP 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. 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 http=//www.hp.com/go/iLO/scale-out.
	iLO Advanced	HP iLO Advanced licenses offer smart remote functionality without compromise, for all HP 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 HP iLO Advanced at http=//www.hp.com/go/iloadvanced.
Server Management	HP Insight Control	HP Insight Control, lets you deploy, migrate, monitor, remote control, and optimize your IT infrastructure through a single, simple management console. For more information, see http=//www.hp.com/go/insightcontrol.
	HP OneView Advanced	HP OneView Advanced is converged management that eliminates infrastructure complexity with automation simplicity. This modern architecture is designed to accelerate your IT operations across servers, storage, and network resources using software-defined approaches and automation, see http=//www.hp.com/go/oneview.
Rack and Power Infrastructure	for existing or new IT dat power protection and ma are looking for to help se to changes in the industr and provision infrastruct	structure products and services create highly efficient and intelligent solutions ca centers. HP Rack and Power infrastructure solutions - rack infrastructure, anagement, performance optimized data centers (PODs) - are the foundation you ecure your long-term IT success. These products are designed to help you react y. They deliver efficient, easy-to-use capabilities to manage, monitor, deploy cure from entry to enterprise. As an industry leader, HP is uniquely positioned to s of power, cooling, cable management and system access.



Optional Features	
High Performance Clusters	HP Cluster Platforms are specifically engineered, factory-integrated large-scale ProLiant clusters optimized for High Performance Computing, with a choice of servers, networks and software. Operating system options include specially priced offerings for Red Hat Enterprise Linux and SUSE Linux Enterprise Server, as well as Microsoft Windows HPC Server. A Cluster Platform Configurator simplifies ordering. http=//www.hp.com/go/clusters.
HPC Interconnects	NOTE- High Performance Computing (HPC) interconnect technologies are available for this server under the HP Cluster Platform product portfolio. These high-speed interconnects are fully supported by HP when they are part of these configure to order clusters. Solutions can be defined with a lot of flexibility with the help of configuration tools. Please visit the following URL to configure HPC Clusters with InfiniBand Interconnects ⁻ http ⁻ //www.hp.com/techservers/clusters/ucp/index.html.
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 HP storage software. Our storage software helps you reduce costs, simplify storage infrastructure, protect vital assets and respond faster to business opportunities. Storage software that gets the job done² Data Protection and Recovery Software Whether you're a large enterprise or a smaller business, HP data protection and recovery software will cost-effectively protect you against disaster and ensure business continuity. Data Archive and Migration Software HP's 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) HP's 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 HP 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 HP storage and networking with software that enables hardware-specific configuration, performance tuning and connectivity management. HP StoreVirtual VSA With HP 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. HP ProLiant Gens servers include a 3-year limited license for HP StoreVirtual VSA software with an extra cost. Simply select to install HP StoreVirtual VSA software with in ItB of capacity at ne ex
	NOTE= For more information about Storage Software including QuickSpecs, please see= http=//www.hp.com/go/storage/software.
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 &ustom&ack configuration or configuration for product not available in SCE, please contact HP's Customer Business Center or an Authorized Partner for assistance. http=//www.hp.com/products/configurator

Service and Support

Service and Support	HP Technology Services for Industry Standard Servers HP Technology Services delivers confidence, reduces risk and helps customers realize agility and stability. Connect to HP to help prevent problems and solve issues faster. Our support technology lets you to tap into the knowledge of millions of devices and thousands of experts to stay informed and in control, anywhere, any time.
	Protect your business beyond warranty with HP Care Pack Services HP Care Pack Services enable you to order the right service level, length of coverage and response time as you purchase your new server, giving you full entitlement for the term you select.
Optimized Care	Supports maintaining servers at optimum performance availability
	HP Proactive Care with 24x7 coverage, three year Care Pack Service HP Proactive Care helps prevent problems and stabilize IT by utilizing secure, real-time, predictive analytics and proactive consultations when your products are connected to HP. This Care Pack Service combines three years' proactive reporting and advice with our 24x7 coverage and enhanced escalation management, four hour hardware response time and two hour call back for software questions on leading industry standard software running on your HP ProLiant server. http=//h20195.www2.hp.com/v2/GetPDF.aspx/4AA3-8855ENW.pdf
Standard Care Package	Supports maintaining high level of server availability
	Foundation Care 24x7, three-year Care Pack Service HP Foundation Care 24x7 connects you to HP 24 hours a day, seven days a week for assistance on resolving issues. Hardware onsite response within four hours if needed‡collaborative software included in this Care Pack service provides troubleshooting assistance on industry leading software running on your HP server. Simplify your support experience and make HP your first call for hardware or software questions. http=//h20195.www2.hp.com/V2/GetDocument.aspx?docname=4AA4-8876ENW&cc=us&lc=en
Basic Care	Foundation Care NBD, three-year Care Pack Service HP Foundation Care Next Business Day connects you to HP during business hours for assistance on resolving issues - features next business day hardware onsite response if needed and software call back within two hours. Collaborative software support is included and provides troubleshooting assistance or industry leading software running on your server. Simplify your support experience and make HP your first call for hardware or software questions. http=//h20195.www2.hp.com/V2/GetDocument.aspx?docname=4AA4-8876ENW&cc=us&lc=en
Related Services	HP ProLiant Server Hardware Installation Provides for the basic hardware installation of HP branded servers, storage devices and networking options to assist you in bringing your new hardware into operation in a timely and professional manner. http=//h20195.www2.hp.com/V2/GetPDF.aspx/5981-9356EN.pdf
	Factory Express for Servers and storage HP Factory Express offers configuration, customization, integration and deployment services for HP servers and storage products. Customers can choose how their factory solutions are built, tested, integrated, shipped and deployed. For more information on Factory Express services for your specific server model please contact your sales representative or go to=http=//www.hp.com/go/factory-express.
	Data Privacy Services Protect your data through better media management. HP Data privacy services help manage and protect sensitive data to reduce the risk of unauthorized access to private information and help meet compliance requirements. Our retention services allow you to keep drives and other devices upon failure, our



Service and Support	
	removal services provide convenient data sanitization and our recovery services allow you to safely retire IT assets and capture any remaining value from the hardware. http=//www.hp.com/services/dataprivacy
	Additional HP Care Pack services can be found at=http=//www.hp.com/go/cpc
Get connected to HP to improve your support experience	Prevent problems with innovative, automated monitoring tools and proactive services. Combining Proactive Care Services with our remote support technology such as Insight Online provides you with expert advice and personalized, cloud-based automated IT support, helping to prevent unplanned down time and solve problems quickly. For more information, visit ⁻ http ⁻ //www.hp.com/go/proactiveinsightexperience
HP Support Center	Personalized online support portal with access to information, tools and experts to support HP business products. Submit support cases online, chat with HP experts, access support resources or collaborate with peers. Learn more http=//www.hp.com/go/hpsc
	HP's 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. HP Insight Remote Support and HP Support Center are available at no additional cost with a HP warranty, HP Care Pack or HP contractual support agreement.
	** HP Support Center Mobile App is subject to local availability
Parts and Materials	HP will provide HP-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 HP due to malfunction.

Pre-configured Models

For the Standard Features shipped in the & actory Integrated Models please see the Configuration Information - Factory Integrated Models configuration.

1. Pre-configured models ship with the configurations below. Options can be selected from the Core or Additional options section of this QuickSpecs.

2. HP does not allow factory integration of options into pre-configured models. Any additional options purchased will be shipped separately.

3. If you desire a custom configuration please see **&**onfiguration Information - Factory Integrated Models**&**section of this QuickSpecs.

4. Not all models are available in all regions. Check with your local country HP offices for availability.

NOTE² 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-B21²HP SFF Hard Drive Blank Kit or P/N 666986-B21²HP LFF Hard Drive Blank Kit.

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

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

	Entry Models Base Models		
[SKU Number]	778640-B21	778641-B21	
Model Name	HP ProLiant DL80 Gen9 E5-2603v3 4GB-R B140i 4LFF 550W PS Entry Server	HP ProLiant DL80 Gen9 E5-2609v3 8GB-R H240 8LFF 550W PS Entry Server	
Processor	Intel [®] Xeon [®] E5-2603v3	Intel [®] Xeon [®] E5-2609v3	
Number of Processors	0	ne	
Memory	4GB (1x4GB Registered DIMMs, 2133 MHz) NOTE= Due to processor limitation, these DDR4 DIMMs will operate at 1600 MHz in this model	· · · ·	
Network Controller	HP Embedded Dual Port 36	1i Adapter Network Interface	
Storage Controller	HP Dynamic Smart Array B140i	HP H240 FIO Smart Host Bus Adapter	
Hard Drive	None ship	p standard	
Internal Storage	4 LFF HDD Bays (Non Hot Plug)	8 LFF HDD Bays	
Optical Drive Bay	Not Av	ailable	
Optical Drive		Optional via HP Mobile USB DVDRW Drive (701498-B21)	
PCI-Express Slots	5 PCIe 3.0 slots (without risers)		
Power Supply	(1) HP 550W FI	FIO Power Supply	
Fans	2 hot swap fans, non redundant	4 hot swap fans, redundant	
Management	iLO Management (standard), Intelligent Pro	ent Provisioning (standard), iLO Essentials (optional)	
Form Factor	Rack (2U), HP E	Rack (2U), HP Easy Install Rails	

Country Code Key

xx=B21

Worldwide

NOTE= The -B21 WW SKU is to be ordered in all countries other than Japan or PRC.xx=291Japanxx=AA1PRC



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. HP recommends the use of an HP approved configurator. Contact your local sales representative for information on configurable product offerings and requirements.

1. Factory Integrated Models must start with a CTO Server.

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

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

4. Some options may not be integrated at the factory. Contact your local sales representative for additional information.

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

[Chassis]	HP ProLiant DL80 Gen9 Non-hot	HP ProLiant DL80 Gen9 8LFF	HP ProLiant DL80 Gen9 12LFF		
	Plug 4LFF Configure-to-order	Configure-to-order Server	Configure-to-order Server		
	Server				
SKU Number	Number 778686-B21 778685-B21 787217-B21		787217-B21		
Processor	2 (2 (optional) x HP Smart Socket Guides			
DIMM Slots	8 DIMM slots for RDIMM, LRDIMM DDR4 Memory				
Storage Controller	HP Dynamic Smart Array B140i				
PCIe		5 Low Profile PCIe 3.0 slots			
Drive Cage	4LFF Non Hot Plug 8LFF Hot Plug 12LFF Hot Plug				
Network Controller	HP Embedd	ed Dual Port 361i Adapter Netwo	ork Interface		
Fans		2 hot swap fans, non redundant			
Management	iLO Management (standard), Intelligent Provisioning (standard), iLO Essentials (optional)				
USB		1 front, 1 internal, 2 rear			

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

HP Processors	Select one or two processors from Core options-Processor section below,
	 If one processor is desired, select one xxxxxx-L21 If two processors are desired, select one xxxxxx-L21 and one xxxxxx-B21. Up to 2 processors supported. Mixing different processor models is not supported. DDR4 speed is the maximum memory speed of the processor. Actual memory speed may depend or the quantity and type of DIMMs installed.
	For the Intel® C600 Chipset E5-2600 Series, the letter preceding the model number indicates the Product Line (E3, E5, E7)∓2600x v#, 2 = number of CPUs in a Node, 6 is socket/segment designation, 00 = Processo SKU, x = L for low power SKUs and v# (not yet designated) = version number.
HP Memory	Select one or more memory from Core options-Memory section below,
	 LRDIMM, RDIMM are all distinct memory technologies and cannot be mixed within a server. The majority of ProLiant Gen9 servers support LRDIMM and RDIMM. HP memory from previous generation servers are not qualified or warranted with this HP ProLiant Server. HP SmartMemory is required to realize the memory performance improvements and enhanced functionality listed in this document for Gen9. If only one processor is installed, only half of the total DIMM slots are available. When populating with two processors all DIMM slots are available. Kits described as LP include Low Power DIMMs. For more information on ProLiant Energy Efficient Features, see⁻http⁻/www.hp.com/go/proliant-energy-efficient. Depending on the memory configuration and processor model, the memory speed may run at

hp

Configuration Information - Factory Integrated Models

2133MHz, 1866MHz, 1600MHz or 1333MHz. Please see Memory Population Table or the Online Memory Configuration Tool at-http=//www.hp.com/go/ddr4config.

HP Power Supplies Select one or more power supplies from Core Options-Power Supplies section below²

- Prior to selecting a power supply option, it is highly recommended that you review your server configuration in the HP Power Advisor tool to determine the right size power supply for your serve configuration. The HP Power Advisor is located at⁻http⁻//www.hp.com/go/hppoweradvisor.
- Mixing of power supplies in the same server is not supported. All power supplies must be of the same input voltage, output rating, and efficiency rating. If non-matching power supplies are installed, you may receive an error message and/or experience operational issues with your server.

Step 3=Choose Additional Factory Integratable Options

HP Unique Options	Select one or more Unique options from Core options section below.
	 This section may contain FIO options, please see the Unique options section below. FIO indicates that this option is only available as a factory installable option.
HP Drives	Select one or more drives from Core options-HP 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 QuickSpec for details. The HP 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 HP Qualified Hard Drives and Solid State Drives. These new carriers provide status and activity indicators as well as caution indicators for <i>B</i> o Not Remove<i>B</i>.
HP Flexible LOM	Select a FlexibleLOM from Core options-Networking section below,
	 Only one FlexibleLOM can be added to the server. These options are upgradeable and can be changed from the original configuration after the server is shipped. For 10Gb adapters, a minimum of two Gigabytes (2 GB) of server memory is required per each adapter. Please see the QuickSpecs for Technical Specifications and additional information- http=//www.hp.com/go/ProLiantNICs.
HP Networking	Select a standup NIC adapter from Core options-Networking section below,
	 Please see the QuickSpecs for Technical Specifications and additional information⁻ http⁻//www.hp.com/go/ProLiantNICs. These options are upgradeable and can be changed from the original configuration after the server is shipped. For 10Gb adapters, a minimum of two Gigabytes (2 GB) of server memory is required per each adapter.
HP Graphics Options	Select one or more graphics adapter from Additional options section below.
	 Please see the HP Power Advisor for estimated power consumption of your individual system configuration prior to installing GPUs. The HP Power Advisor is located at⁻ http⁻//www.hp.com/go/hppoweradvisor.



Configuration Information - Factory Integrated Models This section may contain FIO options, please see HP Computation & Graphics Accelerators section below. **HP Cooling Options** Select one or more Fan Kits from Core options section below. • This section may contain FIO options, please see HP Cooling Options section below. FIO indicates that this option is only available as a factory installable option. • **HP Storage Controllers** Select one or more Storage options from Additional options section below. The embedded B140i controller will operate in UEFI only mode. For legacy support an additional controller will be needed, and for CTO orders please also select the Legacy mode settings part, 758959-B22 • This section may contain FIO options, please see HP Storage Controllers section below. FIO indicates that this option is only available as a factory installable option. **HP I/O Expansion** Select one or more Riser Kit options from Core options section below. Options

- To take advantage of the additional PCI slot upgrade, the second processor must be installed.
- This section may contain FIO options, please see HP I/O Expansion Options section below.
- FIO indicates that this option is only available as a factory installable option.

HP Rail Kits

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

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



Core Options

NOTE⁻Some options may not be integrated at the factory. To ensure only valid configurations are ordered, HP recommends the use of an HP approved configurator. Contact your local sales representative for additional information.

HP Unique Options	HP DL80 Gen9 8LFF Non-hot Plug Enablement Kit NOTE=Required to upgrade from 4LFF NHP to 8LFF NHP models.	788355-B21
	HP DL80 Gen9 Full Height Half Length Riser Kit NOTE -Includes two FLFH PCIe 3.0 slots and one fan.	765515-B21
	HP DL80 Gen9 GPU Enablement Kit NOTE=Includes 1 FHFL slot, one fan and power cable required to enable GPU support. Either one of FHHL or FlexibleLOM riser or GPU riser can be selected.	765518-B21
	HP DL80 Gen9 FlexibleLOM Riser Kit NOTE=Includes one FlexibleLOM slot, one Low Profile slot and one fan.	765514-B21
	HP AHCI-Enable FIO Setting NOTE= This needs to be selected when Advanced Host Controller Interface mode is required on B140i controller.	801845-B21

HP Processors

Entry Processors - E5-2600v3 series Processors

HP DL80 Gen9 Intel® Xeon® E5-2603v3 (1.6GHz/6-core/15MB/85W) Processor Kit	765521-B21
HP DL80 Gen9 Intel® Xeon® E5-2603v3 (1.6GHz/6-core/15MB/85W) FIO Processor Kit	765521-L21
HP DL80 Gen9 Intel® Xeon® E5-2609v3 (1.9GHz/6-core/15MB/85W) Processor Kit	765523-B21
HP DL80 Gen9 Intel® Xeon® E5-2609v3 (1.9GHz/6-core/15MB/85W) FIO Processor Kit	765523-L21

Base Processors - E5-2600v3 series Processors

HP DL80 Gen9 Intel® Xeon® E5-2620v3 (2.4GHz/6-core/15MB/85W) Processor Kit HP DL80 Gen9 Intel® Xeon® E5-2620v3 (2.4GHz/6-core/15MB/85W) FIO Processor Kit	765525-B21 765525-L21
HP DL80 Gen9 Intel® Xeon® E5-2630v3 (2.4GHz/8-core/20MB/85W) Processor Kit	765526-B21
HP DL80 Gen9 Intel® Xeon® E5-2630v3 (2.4GHz/8-core/20MB/85W) FIO Processor Kit	765526-L21
HP DL80 Gen9 Intel® Xeon® E5-2640v3 (2.6GHz/8-core/20MB/90W) Processor Kit	765531-B21
HP DL80 Gen9 Intel® Xeon® E5-2640v3 (2.6GHz/8-core/20MB/90W) FIO Processor Kit	765531-L21
HP DL80 Gen9 Intel® Xeon® E5-2623v3 (3GHz/4-core/10MB/105W) Processor Kit	780100-B21
HP DL80 Gen9 Intel® Xeon® E5-2623v3 (3GHz/4-core/10MB/105W) FIO Processor Kit	780100-L21
HP DL80 Gen9 Intel® Xeon® E5-2630Lv3 (1.8GHz/8-core/20MB/55W) Processor Kit	765530-B21
HP DL80 Gen9 Intel® Xeon® E5-2630Lv3 (1.8GHz/8-core/20MB/55W) FIO Processor Kit	765530-L21
Performance Processors - E5-2600v3 series Processors	
HP DL80 Gen9 Intel® Xeon® E5-2650v3 (2.3GHz/10-core/25MB/105W) Processor Kit	765528-B21
HP DL80 Gen9 Intel® Xeon® E5-2650v3 (2.3GHz/10-core/25MB/105W) FIO Processor Kit	765528-L21
HP DL80 Gen9 Intel® Xeon® E5-2660v3 (2.6GHz/10-core/20MB/90W) ProcessorKit	765529-B21
HP DL80 Gen9 Intel® Xeon® E5-2660v3 (2.6GHz/10-core/20MB/90W) FIO Processor Kit	765529-L21
HP DL80 Gen9 Intel® Xeon® E5-2650Lv3 (1.8GHz/12-core/30MB/65W) Processor Kit	765532-B21
HP DL80 Gen9 Intel® Xeon® E5-2650Lv3 (1.8GHz/12-core/30MB/65W) FIO Processor Kit	765532-L21



HP 4GB (1x4GB) Single Rank x8 DDR4-2133 CAS-15-15 Registered Memory Kit726717-B21HP 4GB 1Rx8 PC4-2133P-R STND Kit803026-B21HP 8GB (1x8GB) Single Rank x4 DDR4-2133 CAS-15-15 Registered Memory Kit726718-B21HP 8GB (1x8GB) Dual Rank x8 DDR4-2133 CAS-15-15 Registered Memory Kit759934-B21HP 8GB 1Rx4 PC4-2133P-R STND Kit803028-B21HP 16GB (1x16GB) Dual Rank x4 DDR4-2133 CAS-15-15 Registered Memory Kit726719-B21Load Reduced DIMMs (LRDIMMs) for E5-2600v3 Series726719-B21HP 16GB (1x16GB) Dual Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit726720-B21HP 32GB (1x32GB) Quad Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit726722-B21HP 0ptical DrivesHP Mobile USB Non Leaded System DVD RW Drive701498-B21	Core Options			
HP 4GB 1Rx8 PC4-2133P-R STND Kit 803026-821 HP 8GB (1x8GB) Single Rank x4 DDR4-2133 CA5-15-15-15 Registered Memory Kit 726718-821 HP 8GB (1x8GB) Dual Rank x4 DDR4-2133 CA5-15-15-15 Registered Memory Kit 803026-821 HP 8GB 1Rx4 PC4-2133P-R STND Kit 803026-821 HP 1GGB (1x16GB) Dual Rank x4 DDR4-2133 CA5-15-15-15 Registered Memory Kit 726719-821 Load Reduced DIMMs (LDIMMs) for 55-2600v3 Series 726722-821 HP 1GGB (1x16GB) Dual Rank x4 DDR4-2133 CA5-15-15-15 Load Reduced Memory Kit 726722-821 HP 32GB (1x32GB) Quad Rank x4 DDR4-2133 CA5-15-15-15 Load Reduced Memory Kit 726722-821 HP Optical Drives HP Mobile USB Non Leaded System DVD RW Drive 701498-821 HP 4ard Drives SAS Hot Plug LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard 737394-821 Drive HP 430GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard 737261-821 Vrve SAS Hot Plug LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 761477-821 HP 47B 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652763-821 HP 31B 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652763-821 HP 31B 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652753-821 HP 31B 6G SAS 7.2K rpm LFF (3.5-inch) SC	HP Memory	Registered DIMMs (RDIMMs) for E5-2600v3 Series		
HP 8GB (1x8GB) Single Rank x4 DDR4-2133 CAS-15-15-15 Registered Memory Kit726718-821HP 8GB (1x8GB) Dual Rank x8 DDR4-2133 CAS-15-15-15 Registered Memory Kit73934-821HP 16GB (1x16GB) Dual Rank x4 DDR4-2133 CAS-15-15-15 Registered Memory Kit726719-821Load Reduced DIMMs (LRDIMMs) for E5-26000 Series72670-821HP 16GB (1x16GB) Dual Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit726729-821HP 32GB (1x32GB) Quad Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit726729-821HP 0ptical DrivesHP Mobile USB Non Leaded System DVD RW Drive701498-821HP 400 Cols 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard Drive755424-821HP 450GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard Drive737261-821HP 450GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard Drive737261-821HP 41B 65 SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive761477-821HP 41B 65 SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-821HP 41B 65 SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-821HP 41B 65 SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-821HP 41B 65 SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-821HP 41B 65 SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-821HP 41B 65 SAT 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-821HP 41B 65 SAT 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652677-821HP 41B 65 SAT 7.2K rpm L		HP 4GB (1x4GB) Single Rank x8 DDR4-2133 CAS-15-15-15 Registered Memory Kit	726717-B21	
HP 8GB (1x8GB) Dual Rank x8 DDR4-2133 CAS-15-15 Registered Memory Kit759934-821 803028-821HP 16GB (1x16GB) Dual Rank x4 DDR4-2133 CAS-15-15-15 Registered Memory Kit726719-821 726719-821Load Reduced DIMMS (LRDIMMS) for E5-2600v3 Series726720-821 726720-821HP 16GB (1x16GB) Dual Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit726720-821 726722-821HP 32GB (1x32GB) Quad Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit726722-821 726722-821HP Optical DrivesHP Mobile USB Non Leaded System DVD RW Drive701498-821HP 450GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard Drive755424-821 737394-821HP 450GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard Drive737261-821 737261-821HP 30GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard Drive737261-821 737261-821HP 61B 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive761477-821 761477-821 HP 31B 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652756-821 65275-821 65275-821 HP 218 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652753-821 65275-821 65275-821 HP 218 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652753-821 65275-821 HP 218 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652753-821 65275-821 HP 218 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive653807-821 65387-821 HP 218 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive653807-821 65387-821 HP 218 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive653878		HP 4GB 1Rx8 PC4-2133P-R STND Kit	803026-B21	
HP 8GB 1Rx4 PC4-2133P-R STND Kit803028-821HP 16GB (1x16GB) Dual Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit726720-821HP 16GB (1x16GB) Dual Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit726720-821HP 32GB (1x32GB) Quad Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit726720-821HP 32GB (1x32GB) Quad Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit726720-821HP Optical DrivesHP Mobile USB Non Leaded System DVD RW Drive701498-821HP 4ard DrivesSAS Hot Plug LFF (3.5-inch) Enterprise (ENT) Drives765424-821HP 4aoGB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard Drive737394-821HP 300GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard Drive737261-821HP 300GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard Drive737261-821HP 47B 66 SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive761477-821HP 47B 66 SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive65275-821HP 47B 66 SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive65275-821HP 37B 66 SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive65275-821HP 17B 66 SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive65275-821HP 37B 66 SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive65275-821HP 37B 66 SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive65307-821HP 37B 66 SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive653079-821HP 37B 66 SATA 7.2K rpm LFF (3.5-inch)		HP 8GB (1x8GB) Single Rank x4 DDR4-2133 CAS-15-15-15 Registered Memory Kit	726718-B21	
HP 16GB (1x16GB) Dual Rank x4 DDR4-2133 CA5-15-15 Registered Memory Kit Load Reduced DIMMS (RBIMMS) for E5-26003 Series HP 16GB (1x16GB) Dual Rank x4 DDR4-2133 CA5-15-15-15 Load Reduced Memory Kit HP 32GB (1x32GB) Quad Rank x4 DDR4-2133 CA5-15-15-15 Load Reduced Memory Kit HP 32GB (1x32GB) Quad Rank x4 DDR4-2133 CA5-15-15-15 Load Reduced Memory Kit HP 32GB (1x32GB) Quad Rank x4 DDR4-2133 CA5-15-15-15 Load Reduced Memory Kit HP 450GB 12G SA5 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard Drive726722-821MP Mard DrivesHP Mobile USB Non Leaded System DVD RW Drive701498-821MP Hard DrivesSA5 Hot Plug LFF (3.5-inch) Enterprise (ENT) Drives HP 450GB 12G SA5 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard Drive737346-821MP doolg 12G SA5 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard Drive737261-821MP 616 G SA5 7, 2K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard Drive737261-821MP 616 G SA5 7, 2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive HP 718 6G SA5 7, 2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive HP 718 6G SA5 7, 2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive HP 718 6G SA7 7, 2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive HP 718 6G SATA 7, 2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive HP 718 6G SATA 7, 2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive HP 718 6G SATA 7, 2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive HP 718 6G SATA 7, 2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive HP 718 6G SATA 7, 2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive HP 718 6G SATA 7, 2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive HP 718 6G SATA 7, 2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive HP 718 6G SATA 7, 2K		HP 8GB (1x8GB) Dual Rank x8 DDR4-2133 CAS-15-15-15 Registered Memory Kit	759934-B21	
Load Reduced DIMMs (LRDIMMs) for ES-2600v3 Series726720-B21HP 16GB (1x16GB) Dual Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit726722-B21HP 32GB (1x32GB) Quad Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit7201498-B21TRP Optical DrivesHP Mobile USB Non Leaded System DVD RW Drive701498-B21HP Ard DrivesSAS Hot Plug LFF (3.5-inch) Enterprise (ENT) Drives755424-B21HP 600GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard737394-B21DriveHP 300GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard737261-B21DriveHP 300GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard737261-B21DriveSAS Hot Plug LFF (3.5-inch) Midline (MDL) Drives761477-B21HP 47B 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652766-B21HP 37B 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652753-B21SAS Hot Plug LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652753-B21HP 37B 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652753-B21SATA Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHP 67B 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652807-B21HP 37B 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652807-B21HP 37B 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive65807-B21HP 37B 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive65807-B21HP 37B 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive65807-B21		HP 8GB 1Rx4 PC4-2133P-R STND Kit	803028-B21	
HP 16GB (1x16GB) Dual Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit726720-B21HP 32GB (1x32GB) Quad Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit726720-B21726720-B21TP Optical Drives701498-B21HP Mobile USB Non Leaded System DVD RW Drive701498-B21DrivesHP 4000E 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard765424-B21DriveHP 300GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard737394-B21DriveSAS Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHP 300GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard7373261-B21DriveSAS Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHP 61B 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652736-B21HP 61B 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive65273-B21HP 21B 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive65273-B21HP 21B 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive6528061-B21HP 21B 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive6528061-B21HP 21B 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive6528061-B21 <td colspa<="" th=""><th></th><th>HP 16GB (1x16GB) Dual Rank x4 DDR4-2133 CAS-15-15-15 Registered Memory Kit</th><th>726719-B21</th></td>	<th></th> <th>HP 16GB (1x16GB) Dual Rank x4 DDR4-2133 CAS-15-15-15 Registered Memory Kit</th> <th>726719-B21</th>		HP 16GB (1x16GB) Dual Rank x4 DDR4-2133 CAS-15-15-15 Registered Memory Kit	726719-B21
HP 32GB (1x32GB) Quad Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit 726722-821 HP Optical Drives HP Mobile USB Non Leaded System DVD RW Drive NP Hard Drives HP 600GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard Drive HP 400GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard 737394-B21 Drive HP 300GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard 737261-B21 Drive SAS Hot Plug LFF (3.5-inch) Midline (MDL) Drives 737261-B21 HP 6TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 655510-B21 HP 4TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652757-B21 HP 3TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652757-B21 HP 3TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652757-B21 HP 3TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652758-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652768-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652768-B21 HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Dri		Load Reduced DIMMs (LRDIMMs) for E5-2600v3 Series		
HP Optical DrivesHP Mobile USB Non Leaded System DVD RW Drive701498-B21HP Hard DrivesSAS Hot Plug LFF (3.5-inch) Enterprise (ENT) Drives765424-B21HP 400GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard765424-B21DriveHP 400GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard737394-B21DriveHP 300GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard737261-B21DriveHP 300GB 12G SAS 15K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive737261-B21DriveSAS Hot Plug LFF (3.5-inch) Midline (MDL) Drives761477-B21HP 6TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652766-B21HP 3TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-B21HP 1TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-B21HP 1TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652753-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652867-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive653867-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive653867-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive653867-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-B21		HP 16GB (1x16GB) Dual Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit	726720-B21	
HP Optical DrivesHP Mobile USB Non Leaded System DVD RW Drive701498-B21HP Ard DrivesSAS Hot Plug LFF (3.5-inch) Enterprise (ENT) Drives765424-B21HP 6006B 126 SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard737394-B21DriveHP 43006B 126 SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard737394-B21DriveHP 3006B 126 SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard737261-B21DriveSAS Hot Plug LFF (3.5-inch) Midline (MDL) Drives761477-B21HP 6TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652766-B21HP 3TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-B21HP 3TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-B21HP 3TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-B21HP 1TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-B21HP 1TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652867-B21HP 3TB 6G SAT 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652867-B21HP 3TB 6G SAT 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652867-B21HP 3TB 6G SAT 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652867-B21HP 3TB 6G SAT 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652867-B21HP 3TB 6G SAT 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658677-B21HP 3TB 6G SAT 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658677-B21HP 3TB 6G SAT 7.2K rpm		HP 32GB (1x32GB) Quad Rank x4 DDR4-2133 CAS-15-15-15 Load Reduced Memory Kit		
HP Hard DrivesSAS Hot Plug LFF (3.5-inch) Enterprise (ENT) DrivesHP 600GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard765424-B21DriveHP 450GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard737394-B21DriveHP 300GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard737261-B21HP 300GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard737261-B21DriveSAS Hot Plug LFF (3.5-inch) Midline (MDL) Drives761477-B21HP 6TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652576-B21HP 3TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-B21HP 3TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-B21HP 1TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-B21HP 1TB 6G SAT 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652675-B21SATA Hot Plug LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652673-B21HP 4TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-B21HP 4TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-i			726722-B21	
HP 600GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard765424-B21DriveHP 450GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard737394-B21DriveHP 300GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard737261-B21DriveSAS Hot Plug LFF (3.5-inch) Midline (MDL) Drives71477-B21HP 6TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive695510-B21HP 3TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive65276-B21HP 3TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-B21HP 1TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-B21HP 1TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652753-B21SATA Hot Plug LFF (3.5-inch) Midline (MDL) Drives73874-B21HP 6TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive63867-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive63867-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-B21SATA Non-Hot Plug LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive6280566-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch	HP Optical Drives	HP Mobile USB Non Leaded System DVD RW Drive	701498-B21	
Drive HP 450GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard Drive HP 300GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard Drive SAS Hot Plug LFF (3.5-inch) Midline (MDL) Drives HP 6TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 695510-B21 HP 4TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 695510-B21 HP 3TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652765-B21 HP 2TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652753-B21 SATA Hot Plug LFF (3.5-inch) Midline (MDL) Drives HP 6TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652753-B21 SATA Hot Plug LFF (3.5-inch) Midline (MDL) Drives HP 6TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652753-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 65267-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 65367-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 658079-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 658079-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 658071-B21 SATA Non-Hot Plug LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 658071-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 658071-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive 658071-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive 658065-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive 659339-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive 659337-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive 659337-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive 659337-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug	HP Hard Drives	SAS Hot Plug LFF (3.5-inch) Enterprise (ENT) Drives		
Drive HP 300GB 12G SAS 15K rpm LFF (3.5-inch) SC Converter Enterprise 3yr Warranty Hard Drive SAS Hot Plug LFF (3.5-inch) Midline (MDL) Drives HP 6TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive P4 TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 695510-821 HP 3TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652766-821 HP 2TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652757-821 HP 1TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652753-821 SATA Hot Plug LFF (3.5-inch) Midline (MDL) Drives HP 6TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 63867-821 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 63867-821 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 63867-821 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 658079-821 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 658071-821 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 658071-821 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 658071-821 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 658071-821 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 628065-821 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive 628065-821 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive 659339-821 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive 659337-821 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive 659337-821 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive 659337-821 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive 659337-821 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr War			765424-B21	
Drive SAS Hot Plug LFF (3.5-inch) Midline (MDL) Drives HP 6TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 695510-B21 HP 4TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652766-B21 HP 3TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652757-B21 HP 1TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652753-B21 SATA Hot Plug LFF (3.5-inch) Midline (MDL) Drives HP 6TB 6G SAT 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652753-B21 HP 3TB 6G SAT 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 65266-B21 HP 2TB 6G SAT 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 652753-B21 SATA Hot Plug LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 693687-B21 HP 4TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 628061-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 658079-B21 HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 658079-B21 HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 658071-B21 SATA Non-Hot Plug LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 658071-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 658071-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive 658071-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive 628065-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive 659339-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive 659339-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive 659339-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive 659339-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive 659339-B21 HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive 659331-B21 HP 3TB 6G SATA 7.2K			737394-B21	
HP 6TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive761477-B21HP 4TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive695510-B21HP 3TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652766-B21HP 2TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-B21HP 1TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652753-B21SATA Hot Plug LFF (3.5-inch) Midline (MDL) Drives753874-B21HP 6TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive693687-B21HP 4TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive693687-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-B21SATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) Drives801888-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive628061-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive658079-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-B21SATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) Drives801888-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive628065-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive659339-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive </td <td></td> <td></td> <td>737261-B21</td>			737261-B21	
HP 4TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive695510-B21HP 3TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652766-B21HP 2TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-B21HP 1TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652753-B21SATA Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHP 6TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive693687-B21HP 4TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive693687-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive68001-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-B21SATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) Drives801888-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive628065-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive801888-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot		SAS Hot Plug LFF (3.5-inch) Midline (MDL) Drives		
HP 3TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652766-821HP 2TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-821HP 1TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652753-821SATA Hot Plug LFF (3.5-inch) Midline (MDL) Drives753874-821HP 6TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive693687-821HP 4TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive628061-821HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-821HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-821HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-821HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-821HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-821HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive628065-821HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive801888-821HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive659339-821HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659339-821HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659339-821HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659339-821HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659337-821HP		HP 6TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	761477-B21	
HP 2TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652757-B21HP 1TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652753-B21SATA Hot Plug LFF (3.5-inch) Midline (MDL) Drives753874-B21HP 6TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive693687-B21HP 4TB 6G SATA 7.2k rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive628061-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive6580571-B21HP 4TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive628065-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive628065-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive628065-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659339-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659337-B		HP 4TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	695510-B21	
HP 1TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive652753-821SATA Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHP 6TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive753874-821HP 4TB 6G SATA 7.2k rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive693687-821HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive628061-821HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-821HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-821HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-821SATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) Drives658071-821HP 4TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive65805-821HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive801888-821HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive801888-821HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive801886-821HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive801886-821HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659339-821HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659339-821HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659339-821HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659337-821HP 1TB 6G SATA		HP 3TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	652766-B21	
SATA Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHP 6TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive753874-B21HP 4TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive693687-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive628061-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-B21SATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) Drives801888-B21HP 4TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive801888-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive801886-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive801886-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive801886-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive801886-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659337-B21		HP 2TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	652757-B21	
HP 6TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive753874-B21HP 4TB 6G SATA 7.2k rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive693687-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive628061-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-B21SATA Non-Hot Plug LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive801888-B21HP 4TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801888-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Midline 1yr Warranty Hard Drive801888-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Midline 1yr Warranty Hard Drive801886-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Midline 1yr Warranty Hard Drive801886-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Midline 1yr Warranty Hard Drive801886-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Midline 1yr Warranty Hard Drive801886-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801884-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5inch) Non-hot Plug Standard 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5inch) Non-hot Plug Standard 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5inch) Non-hot Plug Midline 1yr Warranty Hard Drive		HP 1TB 6G SAS 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	652753-B21	
HP 4TB 6G SATA 7.2k rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive693687-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive628061-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive657750-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-B21SATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) Drives801888-B21HP 4TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive801888-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive628065-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive801886-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive801884-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659337-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr		SATA Hot Plug LFF (3.5-inch) Midline (MDL) Drives		
HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive628061-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive657750-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-B21SATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) Drives658071-B21HP 4TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801888-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive801888-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive801886-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive801886-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659339-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive801882-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive801882-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive801882-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive801882-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plu		HP 6TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	753874-B21	
HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658079-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive657750-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-B21SATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) Drives801888-B21HP 4TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801888-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive628065-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive801886-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive801882-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659341-B21DriveDrive659341-B21		HP 4TB 6G SATA 7.2k rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	693687-B21	
HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive657750-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-B21SATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) Drives801888-B21HP 4TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801888-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive628065-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801886-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot plug Midline 1yr Warranty Hard Drive801886-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive801884-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive801884-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659337-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659341-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard659341-B21DriveDrive659341-B21		HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	628061-B21	
HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive658071-B21SATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) Drives801888-B21HP 4TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive628065-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive628065-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801886-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive801884-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive659337-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive801882-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive659341-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659341-B21DriveDrive659341-B21		HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	658079-B21	
SATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) DrivesHP 4TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801888-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive628065-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801886-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801884-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659337-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive801882-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659341-B21DriveFF 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659341-B21		HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	657750-B21	
HP 4TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801888-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive628065-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801886-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive801884-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive801884-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive801882-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive801882-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Midline 1yr Warranty Hard659341-B21DriveDrive659341-B21		HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) SC Midline 1yr Warranty Hard Drive	658071-B21	
HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive628065-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801886-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801884-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive801884-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive801882-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive801882-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard659341-B21DriveB01882-B21		SATA Non-Hot Plug LFF (3.5-inch) Midline (MDL) Drives		
HP 3TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive628065-B21HP 3TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801886-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801884-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive801884-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot Plug Standard 1yr Warranty Hard Drive801882-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive801882-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard659341-B21DriveB01882-B21		HP 4TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive	801888-B21	
HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801884-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801882-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive801882-B21Drive659341-B21			628065-B21	
HP 2TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659339-B21HP 2TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801884-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801882-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive801882-B21Drive659341-B21				
HP 2TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801884-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801882-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard659341-B21DriveDrive659341-B21				
HP 1TB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard Drive659337-B21HP 1TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801882-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard659341-B21DriveDrive659341-B21				
HP 1TB 6G SATA 7.2K rpm LFF (3.5in) Non-hot Plug Standard 1yr Warranty Hard Drive801882-B21HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard659341-B21DriveDrive659341-B21				
HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard 659341-B21 Drive				
		HP 500GB 6G SATA 7.2K rpm LFF (3.5-inch) Non-hot plug Midline 1yr Warranty Hard		
		12G SAS Hot Plug LFF (3.5-inch) Enterprise Value Solid State Drives		

Core Options

HP 800GB 12G SAS Value Endurance LFF 3.5-in SC Enterprise Value 3yr Wty Solid State Drive	762270-B21
HP 1.6TB 12G SAS Value Endurance LFF 3.5-in SC Enterprise Value 3yr Wty Solid State Drive	762272-B21
6G SATA Hot Plug LFF (3.5-inch) Enterprise Mainstream Solid State Drives	
HP 800GB 6G SATA Mainstream Endurance LFF 3.5-in SC Enterprise Mainstream 3yr Wty Solid State Drive	691860-B21
HP 400GB 6G SATA Mainstream Endurance LFF 3.5-in SC Enterprise Mainstream 3yr Wty Solid State Drive	691856-B21
HP 200GB 6G SATA Mainstream Endurance LFF 3.5-in SC Enterprise Mainstream 3yr Wty Solid State Drive	691854-B21
HP 100GB 6G SATA Mainstream Endurance LFF 3.5-in SC Enterprise Mainstream 3yr Wty Solid State Drive	691852-B21
6G SATA Hot Plug LFF Value Endurance (3.5-inch) Converter Enterprise Value M1 Solid State Drives	
HP 800GB 6G SATA Value Endurance LFF 3.5-in SC Converter ENT Value 3yr Wty M1 Solid State Drive	764945-B21
HP 480GB 6G SATA Value Endurance LFF 3.5-in SC Converter ENT Value 3yr Wty M1 Solid State Drive	764943-B21
HP 240GB 6G SATA Value Endurance LFF 3.5-in SC Converter ENT Value 3yr Wty M1 Solid State Drive	764941-B21
HP 120GB 6G SATA Value Endurance LFF 3.5-in SC Converter ENT Value 3yr Wty M1 Solid State Drive	764939-B21
6G SATA Hot Plug LFF (3.5-inch) Enterprise Value Solid State Drives	
HP 1.6TB 6G SATA Value Endurance LFF 3.5-in SC Converter Enterprise Value 3yr Wty Solid State Drive	757342-B21
HP 800GB 6G SATA Value Endurance LFF 3.5-in SC Enterprise Value 3yr Wty Solid State Drive	718189-B21
HP 600GB 6G SATA Value Endurance LFF 3.5-in SC Conveter Enterprise Value 3yr Wty Solid State Drive	739900-B21
HP 480GB 6G SATA Value Endurance LFF 3.5-in SC Enterprise Value 3yr Wty Solid State Drive	718183-B21
HP 300GB 6G SATA Value Endurance LFF 3.5-in SC Converter Enterprise Value 3yr Wty Solid State Drive	739890-B21
HP 240GB 6G SATA Value Endurance LFF 3.5-in SC Enterprise Value 3yr Wty Solid State Drive	718177-B21
HP 960GB 6G SATA Light Endurance LFF 3.5-in SC Converter ENT Light 3yr Wty G1 Solid State Drive	756604-B21
HP 120GB 6G SATA Value Endurance LFF 3.5-in SC Converter ENT Value 3yr Wty G1 Solid State Drive	756624-B21
HP 240GB 6G SATA Value Endurance LFF 3.5-in SC Converter ENT Value 3yr Wty G1 Solid State Drive	756639-B21
HP 480GB 6G SATA Value Endurance LFF 3.5-in SC Converter ENT Value 3yr Wty G1 Solid State Drive	756660-B21
6G SATA Hot Plug LFF (3.5-inch) Enterprise Boot Solid State Drives	
HP 120GB 6G SATA Value Endurance LFF 3.5-in SC Enterprise Boot 3yr Wty Solid State Drive	718171-B21
HP 80GB 6G SATA Value Endurance LFF 3.5-in SC Enterprise Boot 3yr Wty Solid State Drive	734362-B21
Hard Drive Blank Kits	



Core Options		
	HP Large Form Factor Hard Drive Blank Kit	666986-B2 ²
	Hard Drive Kits	
	HP DL80 Gen9 8LFF Non-hot Plug Enablement Kit NOTE- Required to move from 4LFF NHP model to 8 LFF NHP model.	788355-B21
HP Networking	1 Gigabit Ethernet adapters	
	HP Ethernet 1Gb 4-port 331T Adapter	647594-B21
	HP Ethernet 1Gb 2-port 332T Adapter	615732-B21
	HP Ethernet 1Gb 2-port 361T Adapter	652497-B21
	10 Gigabit Ethernet adapters	
	HP Ethernet 10Gb 2-port 530SFP Adapter	652503-B21
	HP Ethernet 10Gb 2-port 530T Adapter	656596-B21
	HP Ethernet 10Gb 2-port 561T Adapter	716591-B21
	HP Ethernet 10Gb 2-port 560SFP+ Adapter	665249-B21
	FlexibleLOM Adapters	
	HP Ethernet 1Gb 4-port 331FLR Adapter	629135-B22
	HP Ethernet 1Gb 4-port 366FLR Adapter	665240-B21
	HP Ethernet 10Gb 2-port 560FLR-SFP+ Adapter	665243-B21
	HP Ethernet 10Gb 2-port 561FLR-T Adapter	700699-B21
	HP FlexFabric 10Gb 2-port 534FLR-SFP+ Adapter	700751-B21
	HP FlexFabric 10Gb 2-port 533FLR-T Adapter	700759-B21
HP InfiniBand	HP InfiniBand FDR 2-port 545QSFP Adapter	702211-B21
	HP InfiniBand FDR/Ethernet 10Gb/40Gb 2-port 544+QSFP Adapter	764284-B21
HP I/O Expansion Options	HP DL80 Gen9 FlexibleLOM Riser Kit NOTE- Includes one FlexibleLOM slot, one Low Profile slot and one fan.	765514-B21
	HP DL80 Gen9 Full Height Half Length Riser Kit NOTEFIncludes two FLFH PCIe 3.0 slots and one fan.	765515-B21
	HP DL80 Gen9 GPU Enablement Kit NOTE=Includes 1 FHFL slot, one fan and power cable required to enable GPU support. Either one of FHHL or FlexibleLOM riser or GPU riser can be selected.	765518-B21
HP Power Supplies	HP Entry-Level Power Supplies	
	HP 550W FIO Power Supply Kit	730941-B21
	HP 800W Gold (Redundant)/900W (Non-Redundant) AC Power Input Module	744689-B21
	HP Server Redundant Power Supply Backplane Kit NOTE =Required to be bought when 900W/800W power supply (P/N=744689-B21) is selected.	745813-B21

Core Options		
HP Computation and Graphics Accelerators	HP NVIDIA Quadro K2200 Graphics Accelerator NOTE= GPU enablement kit (P/N=765518-B21) is required with this option.	JOG89A
	HP NVIDIA Quadro K4200 Graphics Accelerator NOTE= GPU enablement kit (P/N=765518-B21) is required with this option.	JOG90A
	NOTE= 1 GPU supported per Server, attached to the Primary CPU. NOTE= Only the above listed Graphics cards are HP standard supported options in this set NOTE= The NVIDIA Quadro modules are supported only on 64-bit versions of Linux and V operating systems as well as on Virtual Machine client operating systems. The supported operating systems are RHEL6, SLES 11 and Windows Server 2012 R2. NOTE= Please see the HP Power Advisor for estimated power consumption of your individent configuration prior to installing GPUs. The HP Power Advisor is located at= http=//www.hp.com/go/hppoweradvisor.	Windows ed bare metal
HP Cooling Options	HP DL80 Gen9 Redundant Fan Kit NOTE-Includes two fans and is required to move from non -redundant to redundant fan configurations. Since each riser includes a fan as well, please refer to user-guide	765516-B21

for exact fan requirements to enable fan redundancy



Additional Options

HP Insight Software	HP Insight Control	
	HP Insight Control including 1yr 24x7 Technical Support and Updates Single Server License	C6N27A
	HP Insight Control including 1yr 24x7 Technical Support and Updates Electronic License	C6N28ABE
	HP Insight Control including 1yr 24x7 Support ProLiant ML/DL/BL-bundle Single Server FIO License	C6N36A
	HP Insight Control including 1yr 24x7 Support ProLiant ML/DL/BL-bundle FIO Electronic License	C6N36ABE
	HP Insight Control Server Provisioning Media Kit	BD883A
	HP Insight Management Media Kit	C6N31A
	NOTE =Electronic and Flexible-Quantity licenses can be used to purchase multiple license activation key.	es with a single
	NOTE ⁻ Customer will receive a license entitlement certificate. The license entitlement certificate on line or via fax in order to obtain the license activation key(s). Includes one software Technical Support and Update Service.	
	NOTE- Licenses ship without media. The HP Insight Control Media Kit can be ordered sep downloaded at-http-//www.hp.com/go/insightupdates.	parately, or can be
	NOTE -For additional license options please see the QuickSpecs at-	
	http=//h18000.www1.hp.com/products/quickspecs/12631_div/12631_div.html	

NOTE: Some options may not be integrated at the factory. To ensure only valid configurations are ordered, HP recommends the use

Embedded Management HP iLO Advanced

•		
	HP iLO Advanced including 1yr 24x7 Technical Support and Updates Single Server License	512485-B21
	HP iLO Advanced 1 Server License with 3yr 24x7 Tech Support and Updates	BD505A
	HP iLO Advanced including 1yr 24x7 Technical Support and Updates E-LTU	E6U59ABE
	HP iLO Advanced including 3yr 24x7 Technical Support and Updates E-LTU	E6U64ABE
	HP iLO Essentials	
	HP Integrated Lights-Out Essentials including 3yr 24x7 Tech Support and Updates Single Svr License	BD774A
	HP Integrated Lights-Out Essentials including 1yr 24x7 Tech Support and Updates Single Svr License	BD775A
	HP Integrated Lights-Out Essentials including 3yr 24x7 Technical Support and Updates E-LTU	E6U61ABE
	HP Integrated Lights-Out Essentials including 1yr 24x7 Technical Support and Updates E-LTU	E6U62ABE
	HP iLO Scale-out	
	HP Integrated Lights-Out Scale-Out 3yr 24x7 Tech Support and Updates Flex Quantity License	BD776A
	HP Integrated Lights-Out Scale-Out including 3yr 24x7 Tech Support and Updates Flex Qty E-LTU	BD776AAE
	HP Integrated Lights-Out Scale-Out including 3yr 24x7 Tech Support and Updates Tracking License	BD777A
	HP Integrated Lights-Out Scale-Out 1yr 24x7 Tech Support and Updates Flex Quantity License	BD778A
	HP Integrated Lights-Out Scale-Out including 1yr 24x7 Tech Support and Updates Flex Qty E-LTU	BD778AAE



Additional Options

HP Integrated Lights-Out Scale-Out including 1yr 24x7 Tech Support and Updates BD779A Tracking License

HP Converged	HP OneView Advanced (with HP iLO Advanced)	
Infrastructure	HP OneView incl 3yr 24x7 Supp Phys 1 Svr Lic	E5Y34A
Management Software	HP OneView incl 3yr 24x7 Supp Flex Qty E-LTU	E5Y35AAE
	HP OneView Media Kit Phys No Lic	E5Y37A
	HP OneView for ProLiant DL Server incl 3yr 24x7 Supp FIO Bundle Physical 1 Svr Lic	E5Y43A
	HP OneView incl 3yr 24x7 Supp Bundle 1 Svr E-LTU	E5Y43AAE
	HP OneView Advanced (without HP iLO Advanced)	
	HP OneView w/o iLO Adv incl 3yr 24x7 Supp Phys 1 Svr Lic	E5Y38A
	HP OneView w/o iLO Adv inc 3yr 24x7 Supp Flex Qty E-LTU	E5Y39AAE
	 NOTE-Full licenses of HP OneView Advanced also provide the right-to-use HP Insight Control without additional charge. NOTE-Server provisioning (via 'HP Insight Control server provisioning') is licensed as part of HP OneView Advanced and provides multi-server OS and driver provisioning. Media kit #BD883A can be ordered for a physical copy of this software (USB flash drive). NOTE-Licenses ship without media. The HP OneView Media Kit can be ordered separately, or can be downloaded at-http=//www.hp.com/go/oneview NOTE-Electronic and Flexible-Quantity licenses can be used to purchase multiple licenses with a single activation key. 	
HP Security	HP Trusted Platform Module Option HP 2U Security Bezel Kit	488069-B21 666988-B21
	NOTE -Quick release EAR FIO kit (P/N=778109-B21) is required for installing security bezel.	000900-021
	HP DL80 Gen9 Quick Release Ear FIO Kit NOTE= Quick Release Ears are mandatory for 12LFF models.	778109-B21
	HP DL80 Gen9 Thumbscrew Ear FIO Kit NOTE ⁼ The TPM (Trusted Platform Module) is a microcontroller chip that can securely store artifacts used to authenticate the server platform. These artifacts can include passwords, certificates and encryption keys. Windows® BitLocker [™] Drive Encryption (BitLocker) is a data protection feature available in Windows Server® 2008. BitLocker leverages the enhanced security capabilities of a Trusted Platform Module (TPM) version 1.2. The TPM works with BitLocker to help protect user data and to ensure that a server running Windows Server 2008 has not been tampered with while the system was offline. For more information about TPM, including a white paper, go to ⁼ http ⁼ //www.hp.com/go/TPM. NOTE ⁼ ProLiant OS pre-installed units will come with the partition required for TPM deployment. NOTE ⁼ The TPM key is unique to every TPM deployed server and must be retained. Misplacing or losing the key could result in data loss.	787211-B21



HP Storage Controllers	SAS Controllers	
	HP Smart Array Controllers	
	HP Smart Array P440/4GB FBWC 12Gb 1-port Int SAS Controller	726821-B21
	HP Smart Array P840/4GB FBWC 12Gb 2-ports Int SAS Controller	726897-B21
	HP Smart Array P441/4GB FBWC 12Gb 2-ports Ext SAS Controller	726825-B21
	HP Smart Array P440/4GB FBWC 12Gb 1-port Int FIO SAS Controller	726825-B21
	HP Smart Array P840/4GB FBWC 12Gb 2-ports Int FIO SAS Controller	761874-B21
	HP Smart Host Bus Adapters	
	HP H240 12Gb 1-port Int Smart Host Bus Adapter	726907-B21
	HP H240 12Gb 1-port Int FIO Smart Host Bus Adapter	761873-B21
	HP H241 12Gb 2-ports Ext Smart Host Bus Adapter	726911-B21
	HP Cable Options	
	HP DL60/80/120 Gen9 4LFF Cable FIO Kit	777331-B21
	HP DL80 Gen9 LFF Smart Array P440/P840 SAS Cable Kit NOTE=One cable kit must be selected with P440 controller. NOTE=Two of these cable kits must be selected with P840 controller.	779619-B21
	HP DL80 Gen9 LFF Smart Array H240 SAS Cable Kit NOTE-Two cable Kits must be selected with H240	779622-B21
	NOTE= One of the above cables is required to be selected depending on the constorage controller. Cable option kit descriptions include the right chassis and NOTE=FIO indicates that this option is only available as a factory installable option.	storage controllers name
	option if you want the option to be factory installed. NOTE= NHP server chassis (Mod-x) includes SATA cables required to connect d SATA controller.	
	option if you want the option to be factory installed. NOTE- NHP server chassis (Mod-x) includes SATA cables required to connect d	rives to embedded B140i 727258-B21 Ine server
HP Tape Backup	option if you want the option to be factory installed. NOTE =NHP server chassis (Mod-x) includes SATA cables required to connect de SATA controller. Optional Upgrades HP 96W Smart Storage Battery with 145mm Cable for DL/ML/SL Servers NOTE =This option is mandatorily required with HP Smart Array controllers. Of can accommodate only 1 Smart Storage Battery that would suffice the required to the second se	Trives to embedded B140i 727258-B21 Ine server rement of see= tape backup products see
HP Tape Backup	option if you want the option to be factory installed. NOTE= NHP server chassis (Mod-x) includes SATA cables required to connect of SATA controller. Optional Upgrades HP 96W Smart Storage Battery with 145mm Cable for DL/ML/SL Servers NOTE= This option is mandatorily required with HP Smart Array controllers. Of can accommodate only 1 Smart Storage Battery that would suffice the required all HP Smart Array controllers. NOTE= For the complete range of tape drives, autoloaders, libraries and media http=//www.hp.com/go/tape. For hardware and software compatibility of HP http=//www.hp.com/storage/SPOCK and http=//www.hp.com/go/ebs. NOTE= For Internal drives to be connected to DL servers please make sure that	Trives to embedded B140i 727258-B21 Ine server rement of see= tape backup products see
HP Tape Backup	 option if you want the option to be factory installed. NOTE=NHP server chassis (Mod-x) includes SATA cables required to connect de SATA controller. Optional Upgrades HP 96W Smart Storage Battery with 145mm Cable for DL/ML/SL Servers NOTE=This option is mandatorily required with HP Smart Array controllers. Of can accommodate only 1 Smart Storage Battery that would suffice the required all HP Smart Array controllers. NOTE=For the complete range of tape drives, autoloaders, libraries and media http=//www.hp.com/go/tape. For hardware and software compatibility of HP http=//www.hp.com/storage/SPOCK and http=//www.hp.com/go/ebs. NOTE=For Internal drives to be connected to DL servers please make sure that as well. 	Trives to embedded B140i 727258-B21 Ine server rement of see= tape backup products see
HP Tape Backup	option if you want the option to be factory installed. NOTE =NHP server chassis (Mod-x) includes SATA cables required to connect of SATA controller. Optional Upgrades HP 96W Smart Storage Battery with 145mm Cable for DL/ML/SL Servers NOTE =This option is mandatorily required with HP Smart Array controllers. Of can accommodate only 1 Smart Storage Battery that would suffice the required all HP Smart Array controllers. NOTE= For the complete range of tape drives, autoloaders, libraries and media http=//www.hp.com/go/tape. For hardware and software compatibility of HP http=//www.hp.com/storage/SPOCK and http=//www.hp.com/go/ebs. NOTE= For Internal drives to be connected to DL servers please make sure that as well. Tape Drives	Trives to embedded B140i 727258-B21 Ine server rement of see ⁼ tape backup products see it you order rack mount ki
HP Tape Backup	option if you want the option to be factory installed. NOTE= NHP server chassis (Mod-x) includes SATA cables required to connect of SATA controller. Optional Upgrades HP 96W Smart Storage Battery with 145mm Cable for DL/ML/SL Servers NOTE= This option is mandatorily required with HP Smart Array controllers. O can accommodate only 1 Smart Storage Battery that would suffice the requir all HP Smart Array controllers. NOTE= For the complete range of tape drives, autoloaders, libraries and media http=//www.hp.com/go/tape. For hardware and software compatibility of HP http=//www.hp.com/storage/SPOCK and http=//www.hp.com/go/ebs. NOTE= For Internal drives to be connected to DL servers please make sure tha as well. Tape Drives HP StoreEver LTO-6 Ultrium 6650 SAS External Tape Drive	Trives to embedded B140i 727258-B21 Ine server rement of see= tape backup products see it you order rack mount ki EH964A
HP Tape Backup	option if you want the option to be factory installed. NOTE =NHP server chassis (Mod-x) includes SATA cables required to connect of SATA controller. Optional Upgrades HP 96W Smart Storage Battery with 145mm Cable for DL/ML/SL Servers NOTE =This option is mandatorily required with HP Smart Array controllers. O can accommodate only 1 Smart Storage Battery that would suffice the requir all HP Smart Array controllers. NOTE =For the complete range of tape drives, autoloaders, libraries and media http=//www.hp.com/go/tape. For hardware and software compatibility of HP http=//www.hp.com/storage/SPOCK and http=//www.hp.com/go/ebs. NOTE =For Internal drives to be connected to DL servers please make sure tha as well. Tape Drives HP StoreEver LTO-6 Ultrium 6650 SAS External Tape Drive HP StoreEver LTO-6 Ultrium 6250 External Tape Drive	Trives to embedded B140i 727258-B21 Ine server rement of see= tape backup products see it you order rack mount ki EH964A EH970A
HP Tape Backup	option if you want the option to be factory installed. NOTE= NHP server chassis (Mod-x) includes SATA cables required to connect of SATA controller. Optional Upgrades HP 96W Smart Storage Battery with 145mm Cable for DL/ML/SL Servers NOTE= This option is mandatorily required with HP Smart Array controllers. O can accommodate only 1 Smart Storage Battery that would suffice the requir all HP Smart Array controllers. NOTE= For the complete range of tape drives, autoloaders, libraries and media http=//www.hp.com/go/tape. For hardware and software compatibility of HP http=//www.hp.com/storage/SPOCK and http=//www.hp.com/go/ebs. NOTE= For Internal drives to be connected to DL servers please make sure that as well. Tape Drives HP StoreEver LTO-6 Ultrium 6650 SAS External Tape Drive HP StoreEver LTO-6 Ultrium 6250 External Tape Drive HP StoreEver LTO-5 Ultrium 3000 SAS External Tape Drive	T27258-B21 T27258-B21 The server rement of see= tape backup products see it you order rack mount ki EH964A EH970A EH958B
HP Tape Backup	option if you want the option to be factory installed. NOTE *NHP server chassis (Mod-x) includes SATA cables required to connect of SATA controller. Optional Upgrades HP 96W Smart Storage Battery with 145mm Cable for DL/ML/SL Servers NOTE *This option is mandatorily required with HP Smart Array controllers. Of can accommodate only 1 Smart Storage Battery that would suffice the required all HP Smart Array controllers. NOTE *For the complete range of tape drives, autoloaders, libraries and media http?//www.hp.com/go/tape. For hardware and software compatibility of HP http?//www.hp.com/go/tape. For hardware and software compatibility of HP http?//www.hp.com/storage/SPOCK and http?//www.hp.com/go/ebs. NOTE *For Internal drives to be connected to DL servers please make sure that as well. Tape Drives HP StoreEver LTO-6 Ultrium 6650 SAS External Tape Drive HP StoreEver LTO-5 Ultrium 3000 SAS External Tape Drive HP StoreEver LTO-5 Ultrium 3280 SAS External Tape Drive	Trives to embedded B140i 727258-B21 Ine server rement of see= tape backup products see it you order rack mount ki EH964A EH970A EH958B EH900B
HP Tape Backup	option if you want the option to be factory installed. NOTE= NHP server chassis (Mod-x) includes SATA cables required to connect d SATA controller. Optional Upgrades HP 96W Smart Storage Battery with 145mm Cable for DL/ML/SL Servers NOTE= This option is mandatorily required with HP Smart Array controllers. O can accommodate only 1 Smart Storage Battery that would suffice the requir all HP Smart Array controllers. NOTE= For the complete range of tape drives, autoloaders, libraries and media http=//www.hp.com/go/tape. For hardware and software compatibility of HP http=//www.hp.com/go/tape. For hardware and software compatibility of HP http=//www.hp.com/storage/SPOCK and http=//www.hp.com/go/ebs. NOTE= For Internal drives to be connected to DL servers please make sure tha as well. Tape Drives HP StoreEver LTO-6 Ultrium 6650 SAS External Tape Drive HP StoreEver LTO-6 Ultrium 3280 SAS External Tape Drive HP StoreEver LTO-5 Ultrium 3280 SAS External Tape Drive HP StoreEver LTO-4 Ultrium 1760 SCSI External Tape Drive	Trives to embedded B140i 727258-B21 The server rement of see= tape backup products see tt you order rack mount ki EH964A EH970A EH958B EH900B EH922B
HP Tape Backup	option if you want the option to be factory installed. NOTE= NHP server chassis (Mod-x) includes SATA cables required to connect d SATA controller. Optional Upgrades HP 96W Smart Storage Battery with 145mm Cable for DL/ML/SL Servers NOTE= This option is mandatorily required with HP Smart Array controllers. O can accommodate only 1 Smart Storage Battery that would suffice the requir all HP Smart Array controllers. NOTE= For the complete range of tape drives, autoloaders, libraries and media http=//www.hp.com/go/tape. For hardware and software compatibility of HP http=//www.hp.com/go/tape. For hardware and software compatibility of HP http=//www.hp.com/storage/SPOCK and http=//www.hp.com/go/ebs. NOTE= For Internal drives to be connected to DL servers please make sure tha as well. Tape Drives HP StoreEver LTO-6 Ultrium 6650 SAS External Tape Drive HP StoreEver LTO-6 Ultrium 3000 SAS External Tape Drive HP StoreEver LTO-5 Ultrium 3280 SAS External Tape Drive HP StoreEver LTO-4 Ultrium 1760 SCSI External Tape Drive HP StoreEver LTO-4 Ultrium 1760 SAS External Tape Drive	rives to embedded B140i 727258-B21 Ine server rement of see= tape backup products see it you order rack mount ki EH964A EH970A EH958B EH900B EH922B EH920B
HP Tape Backup	option if you want the option to be factory installed. NOTE : NHP server chassis (Mod-x) includes SATA cables required to connect of SATA controller. Optional Upgrades HP 96W Smart Storage Battery with 145mm Cable for DL/ML/SL Servers NOTE : This option is mandatorily required with HP Smart Array controllers. Of can accommodate only 1 Smart Storage Battery that would suffice the require all HP Smart Array controllers. NOTE : For the complete range of tape drives, autoloaders, libraries and media http://www.hp.com/go/tape. For hardware and software compatibility of HP http://www.hp.com/go/tape. For hardware and software compatibility of HP http://www.hp.com/storage/SPOCK and http://www.hp.com/go/ebs. NOTE : For Internal drives to be connected to DL servers please make sure that as well. Tape Drives HP StoreEver LTO-6 Ultrium 6650 SAS External Tape Drive HP StoreEver LTO-5 Ultrium 3000 SAS External Tape Drive HP StoreEver LTO-5 Ultrium 3280 SAS External Tape Drive HP StoreEver LTO-4 Ultrium 1760 SCSI External Tape Drive HP StoreEver LTO-4 Ultrium 1760 SAS External Tape Drive HP StoreEver LTO-4 Ultrium 1760 SAS External Tape Drive HP StoreEver LTO-4 Ultrium 1760 SAS External Tape Drive HP StoreEver LTO-3 Ultrium 920 SAS External Tape Drive	rives to embedded B140i 727258-B21 Ine server rement of see= tape backup products see it you order rack mount ki EH964A EH970A EH958B EH900B EH922B EH920B
HP Tape Backup	option if you want the option to be factory installed. NOTE : NHP server chassis (Mod-x) includes SATA cables required to connect of SATA controller. Optional Upgrades HP 96W Smart Storage Battery with 145mm Cable for DL/ML/SL Servers NOTE : This option is mandatorily required with HP Smart Array controllers. Of can accommodate only 1 Smart Storage Battery that would suffice the require all HP Smart Array controllers. NOTE : For the complete range of tape drives, autoloaders, libraries and media http://www.hp.com/go/tape. For hardware and software compatibility of HP http://www.hp.com/go/tape. For hardware and software compatibility of HP http://www.hp.com/go/tape. For hardware and software compatibility of HP http://www.hp.com/storage/SPOCK and http://www.hp.com/go/ebs. NOTE : For Internal drives to be connected to DL servers please make sure that as well. Tape Drives HP StoreEver LTO-6 Ultrium 6650 SAS External Tape Drive HP StoreEver LTO-6 Ultrium 3280 SAS External Tape Drive HP StoreEver LTO-5 Ultrium 3280 SAS External Tape Drive HP StoreEver LTO-4 Ultrium 1760 SCSI External Tape Drive HP StoreEver LTO-4 Ultrium 1760 SAS External Tape Drive HP StoreEver LTO-4 Ultrium 1760 SAS External Tape Drive HP StoreEver LTO-3 Ultrium 920 SAS External Tape Drive	rives to embedded B140i 727258-B21 Ine server rement of see= tape backup products see it you order rack mount ki EH964A EH970A EH958B EH900B EH928B EH920B EH920B EH848B

Additional Options		
	HP StoreEver 1U SAS Rack-mount Kit	AE459B
	HP StoreEver LTO-4 Ultrium 1760 SAS (1) in 1U Rack-mount Kit	EH946C
	HP StoreEver LTO-5 Ultrium 3280 SAS Tape Drive in 3U Rack-mount	EJ013B
	HP StoreEver LTO-5 Ultrium 3000 SAS Tape Drive in 1U Rack-mount	EJ014B
	HP StoreEver LTO-6 Ultrium 6250 Tape Drive in 1U Rack-mount Kit	COL99A
	HP StoreEver 1/8 G2 LTO-6 Ultrium 6250 FC Tape Autoloader	COH19A
	HP StoreEver MSL6480	
	HP StoreEver MSL6480 Scalable Base Module	QU625A
	HP StoreEver MSL6480 Scaleable Expansion Module	QU626A
HP Disk Backup	HP RDX Removable Disk Backup System	
-	HP RDX320 USB3.0 External Disk Backup System	B7B63A
	HP RDX500 USB3.0 External Disk Backup System	B7B66A
	HP RDX1000 USB3.0 External Disk Backup System	B7B69A
	HP RDX 2TB USB3.0 External Disk Backup System	E7X53A
HP Disk Storage Systems	Disk Enclosures	
	HP D6000 Dual I/O Module Disk Enclosure	QQ695A
	HP D6000 w/35 4TB 6G SAS 7.2K LFF Dual Port MDL HDD 140TB Bundle	E7W30A
	HP D6000 w/70 4TB 6G SAS 7.2K LFF Dual Port MDL HDD 280TB Bundle	E7W30A
	HP D6000 w/70 3TB 6G SAS 7.2K LFF Dual port MDL HDD 210TB Bundle	QQ700A
	HP D6000 w/70 2TB 6G SAS 7.2K LFF Dual port MDL HDD 140TB Bundle	QQ698A
	HP D6000 w/35 3TB 6G SAS 7.2K LFF Dual port MDL HDD 105TB Bundle	QQ699A
	HP D6000 w/35 2TB 6G SAS 7.2K LFF Dual port MDL HDD 70TB Bundle	QQ697A
HP Data Center Racks	HP 11000 G2 Series Racks	
	HP 11648 1075mm Pallet Universal Rack	H6J87A
	HP 11648 1075mm Shock Universal Rack	H6J88A
	HP 11642 1075mm Pallet Universal Rack	H6J65A
	HP 11642 1075mm Shock Universal Rack	НбЈббА
	HP 11642 1200mm Pallet Universal Rack	H6J67A
	HP 11642 1200mm Shock Universal Rack	H6J68A
	HP 11636 1075mm Pallet Universal Rack	H6J77A
	HP 11636 1075mm Shock Universal Rack	H6J78A
	HP 11622 G2 1075mm Pallet Universal Rack	НбЈ8ЗА
	HP 11622 G2 1075mm Shock Universal Rack	H6J84A
	HP 11614 1075mm Shock Universal Rack	H6J82A
	NOTE -Please see the HP 11000 G2 Series Racks QuickSpec for information on additional racks options and rack specifications	HOJOZA
	HP Intelligent Series Racks	
	HP 647 1075mm Pallet Intelligent Series Rack	BW911A
	HP 647 1075mm Shock Intelligent Series Rack	BW912A
	HP 647 1200mm Pallet Intelligent Series Rack	BW912A BW913A
		DWJIJA
	HP 647 1200mm Shock Intelligent Series Rack	BW914A

	HP 642 1075mm Shock Intelligent Series Rack HP 642 1200mm Pallet Intelligent Series Rack HP 642 1200mm Shock Intelligent Series Rack HP 636 1075mm Pallet Intelligent Series Rack HP 636 1075mm Shock Intelligent Series Rack HP 842 1075mm Pallet Intelligent Series Rack HP 842 1075mm Shock Intelligent Series Rack NOTE=Please see the HP Intelligent Series Racks QuickSpec for information on additional racks options and rack specifications. HP Value Series Rack HP V142 1075mm deep Pallet 100 series Rack NOTE=Please see the HP Value Series Rack NOTE=Please see the HP Value Series Rack	BW904A BW907A BW908A BW895A BW896A BW917A BW918A
HP Power Distribution	HP Basic Power Distribution Unit (bPDU)	
Units (PDUs)	HP 1.9kVA 120 Volt L5-20 Input (12xNEMA 5-20R) NA/JP Basic PDU	H5M54A
	HP 3.6kVA 200-240 Volt Detachable C20 Input (12xC13) WW Basic PDU	H5M56A
	HP 2.8kVA 120 Volt L5-30 Input (18xNEMA 5-20R) NA/JP Basic PDU	H5M55A
	HP 3.6kVA 200-240 Volt Detachable C20 Input (18xC13) WW Basic PDU	H5M57A
	HP 4.9kVA 208 Volt L6-30 Input (20xC13) NA/JP Basic PDU	H5M58A
	HP 7.3kVA 230 Volt IEC309 32A Input (20xC13) INTL Basic PDU	H5M68A
	HP 8.6kVA 208 Volt L15-30 3-Phase Input (18xC13) NA/JP Basic PDU	H5M61A
	HP 4.9kVA 208 Volt L6-30 Input (24xC13/6xC19) NA/JP Basic PDU	H5M59A
	HP 7.3kVA 230 Volt IEC309 32A Input (24xC13/6xC19) INTL Basic PDU	H5M70A
	HP 8.3kVA 208 Volt CS8265C Input (30xC13/6xC19) NA/JP Basic PDU	H5M60A
	HP 11kVA 230 Volt IEC309 63A Input (30xC13/6xC19) INTL Basic PDU	H5M71A
	HP Hardwired 200-240 Volt Input (30xC13/6xC19) WW Basic PDU	H5M75A
	HP 5.7kVA 208 Volt L21-20 3-Phase Input (24xC13/3xNEMA 5-20R) NA/JP Basic PDU	H5M63A
	HP 8.6kVA 208 Volt L21-30 3-Phase Input (24xC13/3xC19/3xNEMA 5-20R) NA/JP Basic PDU	H5M64A
	HP 8.6kVA 208 Volt L15-30 3-Phase Input (24xC13/6xC19) NA/JP Basic PDU	H5M62A
	HP 11kVA 400 Volt IEC309 16A 3-Phase Input (30xC13/6xC19) INTL Basic PDU	H5M72A
	HP 11kVA 400 Volt IEC309 16A 3-Phase Input (36xC13/6xC19) INTL Basic PDU	H5M73A
	HP 11kVA 400 Volt IEC309 30A 3-Phase Input (36xC13/6xC19) NA Basic PDU	H5M67A
	HP 13.2kVA 480 Volt IEC309 30A 3-Phase Input (15 Outlet) NA Basic PDU	H3X07A
	HP 19.9kVA 480 Volt IEC309 30A 3-Phase Input (30 Outlet) NA Basic PDU	H3X08A
	HP 800VA - 277V Input / 230V Output NA Rack Mount Transformer	НЗХО9А
	HP 2.8kVA 24A Low Voltage NA/JP Modular Power Distribution Unit	252663-D71
	HP 4.9kVA 24A High Voltage NA/JP Core Modular Power Distribution Unit	252663-D74
	HP 8.3kVA 40A High Voltage NA/JP Core Modular Power Distribution Unit	252663-D75
	HP 7.3kVA 32A High Voltage INTL Core Modular Power Distribution Unit	252663-B33
	HP 9.2kVA 40A High Voltage INTL Core Modular Power Distribution Unit	252663-B34
	HP 8.6kVA 24A Three Phase NA/JP Modular Power Distribution Unit	AF512A
	HP 11kVA 16A Three Phase INTL Modular Power Distribution Unit	AF513A
	HP 14.4kVA 40A Three Phase NA/JP Modular Power Distribution Unit	AF519A
	HP 17.3kVA 48A Three Phase NA/JP Modular Power Distribution Unit	AF511A



HP 22kVA 32A Three Phase INTL Core Modular Power Distribution Uni	t AF518A
NOTE= To learn more about HP Basic Power Distribution Units (bPDU),	please visit the
HP website at http=//www.hp.com/go/pdu.	
HP Monitored Power Distribution Units (mPDU)	
HP 2.8kVA 120 Volt L5-30 Input (12xNEMA 5-20R)NA/JP Monitored PI	DU D9N43A
HP 3.6kVA 200-240 Volt Detachable C20 Input (12xC13) WW Monitore	ed PDU D9N46A
HP 4.9kVA 208 Volt L6-30 Input (12xC13) NA/JP Monitored PDU	D9N44A
HP 3.6kVA 200-240 Volt Detachable C20 Input (16xC13) WW Monitore	ed PDU D9N45A
HP 4.9kVA 208 Volt L6-30 Input (12xC13) NA/JP Monitored PDU	G9Z05A
HP 7.3kVA 230 Volt IEC309 32A Input (12xC13) INTL Monitored PDU	G9Z06A
HP 4.9kVA 208 Volt L6-30 Input (20xC13/4xC19) NA/JP Monitored PD	U D9N47A
HP 7.3kVA 230 Volt IEC309 32A Input (20xC13/4xC19) INTL Monitored	d PDU D9N48A
HP 8.6kVA 208 Volt L15-30 3-Phase Input (18xC13/3xC19) NA/JP Mor	hitored PDU D9N51A
HP 5.7kVA 208 Volt L21-20 3-Phase Input (18xC13/3xNEMA 5-20R) N PDU	A/JP Monitored D9N52A
HP 8.6kVA 208 Volt L21-30 3-Phase Input (20xC13/3xC19/3xNEMA 5- Monitored PDU	20R) NA/JP D9N53A
HP 11kVA 400 Volt IEC309 16A 3-Phase Input (18xC13/3xC19) INTL M	onitored PDU D9N55A
HP 8.3kVA 208 Volt CS8265C Input (30xC13/3xC19) NA Monitored PD	U D9N49A
HP 7.3kVA 230 Volt IEC309 32A Input (32xC13/4xC19) INTL Monitored	I PDU D9N50A
HP 11kVA 400 Volt IEC309 16A 3-Phase Input (30xC13/3xC19) INTL M	onitored PDU D9N57A
HP 14.4kVA 208 Volt CS8365C 3-Phase Input (12xC13/12xC19)NA Mo	nitored PDU D9N58A
HP 16.6kVA 400 Volt IEC309 30A 3-Phase Input (30xC13/3xC19) NA M	Ionitored PDU D9N61A
HP 16.6kVA 400 Volt IEC309 30A 3-Phase Input (12xC13/12xC19) NA	Monitored PDU D9N62A
HP 17.3kVA 208 Volt IEC309 60A 3-Phase Input (24xC13/3xC19) NA/J	P Monitored PDU D9N54A
HP 17.3kVA 208 Volt IEC309 60A 3-Phase Input (12xC13/12xC19) NA	JP Monitored PDU D9N59A
HP 17.3kVA 208 Volt IEC309 60A 3-Phase Watertight Input (12xC13/1 Monitored PDU	I 2xC19) NA/JP G9Z07A
HP 19.9kVA 480 Volt 3-Phase (30 Outlet) NA Monitored PDU	D9N63A
HP 22kVA 400 Volt IEC309 32A 3-Phase Input (30xC13/3xC19) INTL M	onitored PDU D9N56A
HP 22kVA 400 Volt IEC309 32A 3-Phase Input (12xC13/12xC19) INTL	
HP 22kVA 400 Volt IEC309 32A 3-Phase Watertight Input (12xC13/12 Monitored PDU	
HP Environmental Sensor for Remote Monitored PDUs	E2D53A
NOTE- Please see the HP Monitored Power Distribution Units QuickSpe	
on additional options and product specifications	
HP Intelligent Power Distribution Units (iPDU	
HP 4.9kVA 24A Single Phase NA/JP Core Intelligent Modular Power Dis	stribution Unit AF520A
HP 8.3kVA 40A Single Phase NA/JP Core Intelligent Modular Power Dis	stribution Unit AF521A
HP 8.6kVA 24A Three Phase NA/JP Core Intelligent Modular Power Dis	tribution Unit AF522A
HP 17.3kVA 48A Three Phase NA/JP Core Intelligent Modular Power D	istribution Unit AF523A
HP 11.4kVA 16A 415V Three Phase L22-20 NA Core Intelligent Power	Distribution Unit AF900A
HP 17.3kVA 24A 415V Three Phase IEC309 NA Core Intelligent Power	Distribution Unit AF901A
HP 7.3kVA 32A Single Phase INTL Core Intelligent Modular Power Dist	ribution Unit AF525A

HP 11kVA 16A Three Phase INTL Core Intelligent Modular Power Distribution Unit	AF526A
HP 22kVA 32A Three Phase INTL Core Intelligent Modular Power Distribution Unit	AF527A
HP 17.3kVA 48A 208V Three Phase 12 Outlet Core NA/JP Intelligent Power Distribution Unit	AF535A
HP 17.3kVA 24A 415V Three Phase 12 Outlet Core NA/JP Intelligent Power Distribution Unit	AF537A
HP 22kVA 32A 400V Three Phase 12 Outlet Core INTL Intelligent Power Distribution Unit	AF538A
HP 4.9kVA 24A Single Phase NA/JP Intelligent Modular Power Distribution Kit	AF531A
HP 8.6kVA 24A Three Phase NA/JP Intelligent Modular Power Distribution Kit	AF532A
HP 14.4kVA 40A Three Phase NA/JP Intelligent Modular Power Distribution Unit	AF533A
HP 7.3kVA 32A Single Phase INTL Intelligent Modular Power Distribution Kit	AF534A
HP 5xC13 Intelligent PDU Extension Bar G2 Kit	AF547A
HP 5xC13 Outlets Power and UID LEDs Pair Standard Extension Bar	AF528A
NOTE= Please see the HP Intelligent Power Distribution Units QuickSpec for information on additional options and product specifications.	
HP Managed Power Distribution Units (maPDU)	
HP 2.8kVA 120 Volt L5-30 Input (24x NEMA 5-20) NA/JP Managed PDU	H8B48A
HP 3.6kVA 200-240 Volt Detachable C20 Input (7xC13/1xC19) WW Managed PDU	H8B49A
HP 4.9kVA 208 Volt L6-30 Input (20xC13/4xC19) NA/JP Managed PDU	H8B50A
HP 7.3kVA 200-240 Volt IEC309 32A Input (20xC13/4xC19) INTL Managed PDU	H8B51A
HP 8.6kVA 208 Volt L15-30 3 Phase Input (18xC13/6xC19) NA/JP Managed PDU	H8B52A
HP 8.6kVA 208 Volt L21-30 3 Phase Input (20xC13/3xC19/1x NEMA 5-20) NA/JP Managed PDU	H8B53A
HP 11kVA 400 Volt IEC309 16A 3 Phase Input (21xC13/3xC19) INTL Managed PDU	H8B54A
HP 14.4kVA 208V CS8365C 3 Phase Input (12xC13/12xC19) NA/JP Managed PDU	H8B55A
HP 17.3kVA 208V IEC309 60A 3 Phase Input (12xC13/12xC19) NA/JP Managed PDU	H8B56A
NOTE= Please see the QuickSpecs for Technical Specifications and additional information ⁼ http=//www8.hp.com/h20195/v2/GetHtml.aspx?docname=c04376673 (Worldwide)	
NOTE -To learn more, please visit the HP Uninterruptible Power Systems (UPS) web page.	

HP Rack Mount Consoles, KVM Switches, and Keyboards	HP Location Discovery Services HP Location Discovery Services LCD8500 Kit NOTE=Please see the QuickSpecs for Technical Specifications and additional information= http=//h18000.www1.hp.com/products/quickspecs/14429_div/14429_div.html (Worldwide)	TL052A
	HP Rack Mount Consoles	
	HP LCD8500 1U US Rackmount Console Kit	AF630A
	HP LCD8500 1U UK Rackmount Console Kit	AF631A
	HP LCD8500 1U DE Rackmount Console Kit	AF632A
	HP LCD8500 1U FR Rackmount Console Kit	AF633A
	HP LCD8500 1U JP Rackmount Console Kit	AF642A
	HP LCD8500 1U RU Rackmount Console Kit	AF643A
	HP LCD8500 1U INTL Rackmount Console Kit	AF644A
	HP LCD8500 1U US TAA Rackmount Console Kit	AF645A
	HP TFT7600 G2 KVM Console Rackmount Keyboard US Monitor	AZ870A



HP TFT7600 G2 KVM Console Rackmount Keyboard UK Monitor	AZ871A
HP TFT7600 G2 KVM Console Rackmount Keyboard DE Monitor	AZ872A
HP TFT7600 G2 KVM Console Rackmount Keyboard FR Monitor	AZ873A
HP TFT7600 G2 KVM Console Rackmount Keyboard IT Monitor	AZ874A
HP TFT7600 G2 KVM Console Rackmount Keyboard ES Monitor	AZ875A
HP TFT7600 G2 KVM Console Rackmount Keyboard DK Monitor	AZ876A
HP TFT7600 G2 KVM Console Rackmount Keyboard NO Monitor	AZ877A
HP TFT7600 G2 KVM Console Rackmount Keyboard SE/FI Monitor	AZ878A
HP TFT7600 G2 KVM Console Rackmount Keyboard CH Monitor	AZ879A
HP TFT7600 G2 KVM Console Rackmount Keyboard PT Monitor	AZ880A
HP TFT7600 G2 KVM Console Rackmount Keyboard BE Monitor	AZ881A
HP TFT7600 G2 KVM Console Rackmount Keyboard JP Monitor	AZ882A
HP TFT7600 G2 KVM Console Rackmount Keyboard RU Monitor	AZ883A
HP TFT7600 G2 KVM Console Rackmount Keyboard Intl Monitor	AZ884A
HP TFT7600 G2 KVM Console Rackmount Keyboard US TAA Monitor	AZ885A
NOTE- Please see the HP Rack Console QuickSpecs for information on additional	
options and product specifications.	
HP KVM Switches	
HP Server Console 0x2x8 Port Analog Switch	AF616A
HP Server Console 0x2x16 Port Analog Switch	AF617A
HP TAA 0x2x16xKVM Server Console G2 Switch	AF626A
HP 0x1x8 G3 KVM Console Switch	AF651A
HP 0x2x16 G3 KVM Console Switch	AF652A
HP TAA 0x2x16 G3 KVM Console Switch	AF653A
HP USB Remote Access Key for G3 KVM Console Switches	AF650A
HP KVM Console USB Interface Adapter	AF628A
HP 0x2x16 KVM Server Console Switch G2 with Virtual Media CAC Software	AF618A
HP 0x2x32 KVM Server Console Switch G2 with Virtual Media CAC Software	AF619A
HP KVM Console USB 2.0 Virtual Media CAC Interface Adapter	AF629A
HP 1x4 USB/PS2 KVM Console Switch	AF611A
HP 1x1Ex8 KVM IP Console Switch G2 with Virtual Media CAC Software	AF620A
HP 2x1Ex16 KVM IP Console Switch G2 with Virtual Media CAC Software	AF621A
HP 4x1Ex32 KVM IP Console Switch G2 with Virtual Media CAC Software NOTE- To learn more, please visit the HP KVM Switches web page.	AF622A
HP USB Keyboard and Mouse	
HP USB BFR with PVC Free US Keyboard/Mouse Kit	631341-B21
HP USB BFR with PVC Free UK Keyboard/Mouse Kit	631344-B21
HP USB BFR with PVC Free FR Keyboard/Mouse Kit	631346-B21
HP USB BFR with PVC Free ES Keyboard/Mouse Kit	631348-B21
HP USB BFR with PVC Free DE Keyboard/Mouse Kit	631358-B21
HP USB BFR with PVC Free JP Keyboard/Mouse Kit	631360-B21
HP USB BFR with PVC Free IT Keyboard/Mouse Kit	631362-B21
HP USB BFR with PVC Free CN Keyboard/Mouse Kit	631364-B21
HP USB BFR with PVC Free AE Keyboard/Mouse Kit	638212-B21
HP USB BFR with PVC Free RU Keyboard/Mouse Kit	638212-B21
HP USB BFR with PVC Free IN Keyboard/Mouse Kit	672097-D63
HP USB BFR with PVC Free AP-Intl Keyboard/Mouse Kit	672097-373
	012031-313



	HP USB BFR with PVC Free Intl Keyboard/Mouse Kit	672097-B33
	HP USB BFR with PVC Free PT Keyboard/Mouse Kit	672097-133
	HP USB BFR with PVC Free TR Keyboard/Mouse Kit	672097-143
	HP USB BFR with PVC Free CZ Keyboard/Mouse Kit	672097-223
	HP USB BFR with PVC Free FI Keyboard/Mouse Kit	672097-353
	HP USB BFR with PVC Free SE Keyboard/Mouse Kit	672097-103
	HP USB BFR with PVC Free CH Keyboard/Mouse Kit	672097-113
	HP USB BFR with PVC Free KR Keyboard/Mouse Kit	672097-KD3
	HP 1U INT Rackmount Keyboard with USB	AG086A
	HP 1U US Rackmount Keyboard with USB	AG072A
	NOTE= Please see the HP USB Keyboard and Mouse QuickSpecs for information on additional options and product specifications.	
	Rail Kits	
	HP 2U Small Form Factor Easy Install Rail Kit	733660-B21
	HP 2U Cable Management Arm for Easy Install Rail Kit	733664-B21
	HP Other Options	
	HP Rack LED Light Kit	BW939A
	HP Kit LCD 1.83m Latch Display Port Cable	G7T29A
HP Uninterruptible Power	HP DirectFlow Three Phase UPS	
Systems (UPS)	Power Unit (1U UPS)	
	HP R12000 DirectFlow - 1U Rackmount Uninterruptible Power System	G9Y75A
	HP R12000 DirectFlow - POD 1U Rackmount Uninterruptible Power System	AF478A
	Input/Output Module Options for 1U UPS	
	HP 32A 400-415 Volt Three Phase INTL R12000 DirectFlow UPS IEC309 Input/Output Module	AF488A
	HP 30A 400-415 Volt Three Phase NA R10000 DirectFlow UPS IEC309 Input/Output	AF489A

HP R12000 DirectFlow - 1U Rackmount Uninterruptible Power System	G9Y75A
HP R12000 DirectFlow - POD 1U Rackmount Uninterruptible Power System	AF478A
Input/Output Module Options for 1U UPS	
HP 32A 400-415 Volt Three Phase INTL R12000 DirectFlow UPS IEC309 Input/Output Module	AF488A
HP 30A 400-415 Volt Three Phase NA R10000 DirectFlow UPS IEC309 Input/Output Module	AF489A
HP 32A 380 Volt Three Phase China R12000 DirectFlow UPS Unterminated Input/Output Module	AF490A
HP 30A 480 Volt Three Phase NA R12000 DirectFlow UPS L22-30 Input/Output Module	AF491A
HP 30A 480 Volt Three Phase NA R12000 DirectFlow UPS IEC309 Input/Output Module	AF492A
HP 30A 400-415 Volt Three Phase NA R12000 DirectFlow UPS IEC309 Input/Output Module	G9Y76A
Power Unit (2U UPS)	
HP R18000 DirectFlow - 2U Rackmount Uninterruptible Power System	AF479A
Input/Output Module Options for 2U UPS	
HP 32A 400-415 Volt Three Phase INTL R18000 DirectFlow UPS IEC309 Input/Output Module	AF483A
HP 30A 380 Volt Three Phase China R18000 DirectFlow UPS Unterminated Input/Output Module	AF485A
HP 30A 480 Volt Three Phase NA R18000 DirectFlow UPS IEC309 Input/Output Module	AF486A
HP 30A 480 Volt Three Phase NA R18000 DirectFlow UPS IEC309 Input/Output Module	AF487A
HP 30A 400 Volt Three Phase NA R18000 DirectFlow UPS IEC309 Input/Output Module	D9Q02A
HP 30A 400-415V Three Phase NA R18000 DirectFlow UPS 1-1 IEC309 Input/Output Module	AF484A
NOTE -All Input/Output Modules support dual output outlets except the AF484A.	

Battery Pack Options	
HP DirectFlow UPS - 1U Rackmount Lithium-ion Battery Pack	AF480A
HP DirectFlow UPS - 3U Rackmount VRLA Battery Pack	AF482A
HP WW DirectFlow Secondary Battery Cable	AF497 <i>F</i>
NOTE: Please see the HP DirectFlow Three Phase Uninterruptible Power System	
QuickSpecs for information on additional options and product specifications.	
HP Tower UPS	
HP T750 G4 UPS Models	120054
HP T750 G4 NA/JP Uninterruptible Power System	J2P85A
HP T750 G4 INTL Uninterruptible Power System HP T1000 G4 UPS Models	J2P88A
HP T1000 G4 NA/JP Uninterruptible Power System	J2P86A J2P89A
HP T1000 G4 INTL Uninterruptible Power System HP T1500 G4 UPS Models	JZP89F
	J2P87A
HP T1500 G4 NA/JP Uninterruptible Power System HP T1500 G4 INTL Uninterruptible Power System	J2P87A J2P90A
HP 11500 G4 INTE OMMENTAPLIDLE POWER System HP 1750 G2 UPS Models	JZP9UA
HP T750 G2 750VA NA Tower Uninterruptible Power System	AF446/
HP T750 G2 750VA INTL Tower Uninterruptible Power System	AF440/
HP T750J JP Uninterruptible Power System	AF456/
HP T1000 G3 UPS Models	11 150
HP T1000 G3 1000VA INTL Tower Uninterruptible Power System	AF449/
HP T1500 G3 UPS Models	
HP T1500 G3 1400VA NA Tower Uninterruptible Power System	AF4504
HP T1500 G3 1400VA INTL Tower Uninterruptible Power System	AF451/
HP Rack/Tower UPS	
HP R/T2200 G4 UPS Models	
HP R/T2200 G4 NA/JP Uninterruptible Power System	J2R00A
HP R/T3000 G4 UPS Models	
HP R/T3000 G4 Low Voltage NA/JP Uninterruptible Power System	J2R01A
HP R/T3000 G4 High Voltage NA/JP Uninterruptible Power System	J2R02A
HP R/T3000 G4 High Voltage INTL Uninterruptible Power System	J2R04A
HP R/T3000 G2 Uninterruptible Power System (UPS)	
HP R/T3000 G2 2U L530 Low Voltage NA/JP Uninterruptible Power System	AF4664
HP R/T3000 G2 2U L620 High Voltage NA/JP Uninterruptible Power System	AF467#
HP R/T3000 G2 2U Detachable Cord High Voltage INTL Uninterruptible Power System	AF468/
R1500 G4 Models	
HP R1500 G4 NA Uninterruptible Power System	J2Q99A
HP R1500 G4 JP/TWN Uninterruptible Power System	J2R05A
HP R1500 G4 INTL Uninterruptible Power System	J2R03A
R1.5kVA G3 Models	
HP R1.5kVA G3 1U NA Uninterruptible Power System	AF469/
HP R1.5kVA G3 1U JP/TW Uninterruptible Power System	AF470/
HP R1.5kVA G3 1U INTL Uninterruptible Power System	AF471/
R7000 Uninterruptible Power System (UPS)	
HP R7KVA 4U 50A High Voltage NA/JP Uninterruptible Power System	AF462A



Additional Options		
	HP R7KVA 4U IEC-32A High Voltage INTL Uninterruptible Power System	AF463A
	R5000 Uninterruptible Power System (UPS)	
	HP R5KVA 3U L630 High Voltage NA/JP Uninterruptible Power System	AF460A
	HP R5KVA 3U IEC309-32A High Voltage INTL Uninterruptible Power System	AF461A
	NOTE = To learn more, please visit the HP Uninterruptible Power Systems (UPS) web page.	
HP USB and SD Options	HP Enterprise Mainstream Flash Media Kits for Memory Cards	
	HP 32GB microSD Enterprise Mainstream Flash Media Kit	700139-B21
	HP 8GB microSD Enterprise Mainstream Flash Media Kit	726116-B21
	HP 8GB USB Enterprise Mainstream Flash Media Drive Key Kit	737953-B21
HP Care Pack Services	Installation & Start-up Services	
	HP Installation DL60/DL80 Service	U7WZ5E
	HP Startup DL60/DL80 Service	U7WZ7E
	Foundation Care	
	HP 3 year Next business day DL80 Gen9 Foundation Care Service	U7WG1E
	HP 3 year Next business day with Defective Media Retention DL80 Gen9 Foundation Care Service	U7WG2E
	HP 3 year Next business day w/ComprehensiveDefectiveMaterialRetention DL80 Gen9 Foundation Care SVC	U7WG3E
	HP 3 year 24x7 DL80 Gen9 Foundation Care Service U7WG4E	U7WG4E
	HP 3 year 24x7 with Defective Media Retention DL80 Gen9 Foundation Care Service	U7WG5E
	HP 3 year 24x7 w/Comprehensive Defective Material Retention DL80 Gen9 Foundation Care Service	U7WG6E
	Proactive Care	
	HP 3 year 24x7 DL80 Gen9 Proactive Care Service	U7WK1E
	HP 3 year 24x7 with Defective Media Retention DL80 Gen9 Proactive Care Service	U7WK2E
	HP 3 year 24x7 w/ComprehensiveDefectiveMaterialRetention DL80 Gen9 Proactive	U7WK3E

Memory

Memory Subsystem Architecture Each Intel® Xeon® E5-2600v3 family processor socket contains four memory channels per installed processor with one DIMM per channel for a total of four (4) DIMMs or a grand total of eight (8) DIMMs for the server.

Memory Population guidelines

General Memory Population Rules and Guidelines

- .Install DIMMs only if the corresponding processor is installed.
- If only one processor is installed in a two processor system, only half of the DIMM slots are available.
- To maximize performance, it is recommended to balance the total memory capacity between all installed processors and load the channels similarly whenever possible.
- When two processors are installed, balance the DIMMs across the two processors.
- White DIMM slots denote the first slot to be populated in a channel.
- Do not mix RDIMMs or LRDIMMs.
- Quad rank RDIMMs are not supported in HP ProLiant DL80 Gen9 servers.
- DIMMs of different speeds may be mixed in any order+the server will select a common optimal speed.
- The maximum memory speed is a function of the memory type, memory configuration, and processor model.
- The maximum memory capacity is a function of the memory type and number of installed processors.
- To realize the performance memory capabilities listed in this document, HP SmartMemory is required.

Intel Gen9 Supported Memory Bandwidth for HP ProLiant Gen9 Intel® Xeon®E5-2600v3 Series Processor Family

Memory Bandwidth and	d Capacity									
[DIMM Type]					Registered DIMMS					
DIMM Rank	Single	e Rank		Dual Rank		Quad Rank				
DIMM Capacity	4GB 8GB 16GB				32GB					
Voltage	Std Voltage 1.2V									
SLOTS THAT CAN BE POPULATED										
8 slot servers	8	8	8	8	8	8				
MAXIMUM CAPACITY (GB)*	32	64	64	128	128	256				
1 DIMM Per Channel	2133									

DIMM slot and configuration diagram

DIMM slot and configuration diagrams Basic memory slot & population diagram

- Population order + start with & & first, & & second, & & third, etc.
- When one processor is installed, install DIMMs in sequential alphabetic order-A, B, C, D, E, F —
- When two processors are installed, install DIMMs in sequential alphabetic order=CPU1-A, CPU2-A,CPU1-B,CPU1-B,CPU1-C, CP2-C

CPU #1 IS PROCESSOR ON LEFT - LOOKING FROM FRONT OF SERVER



Memory

		CPU1		CPU2	
	Slot #	population order	Slot #	population orde	
Chnl 1	1	A1	1	A1	
	Slot #	population order	Slot #	population orde	
		CPU1		CPU2	
Chnl 2	2	B2	2	B2	
		CPU1		CPU2	
	Slot #	population order	Slot #	population orde	
Chnl 4	3	D3	3	D3	
		CPU1		CPU2	
	Slot #	population order	Slot #	population orde	
				C4	

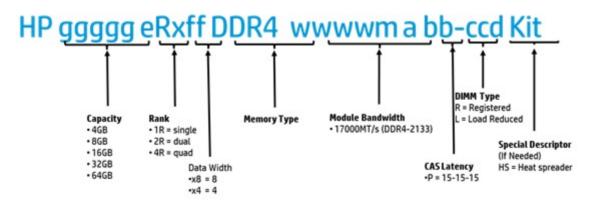
Memory Speed by	Processor Models	Supported Memory Speeds
	E5-2603v3, E5-2609v3, 1600MHz	
	E5-2620v3, E5-2630v3, E5-2640v3, E5-2623v3, E5 2630Lv3,	1866MHz
	E5-2650v3, E5-2660v3, E5-2650Lv3,	2133MHz

Standard and Maximum Memory Capacity (Pre- configured Models)	Pre-Configured Models	-		Standard Memory Replaced with Optional Memory
	E5-2603v3,	4GB (1x4GB)	116GB (7x16GB, 1x4GB)	256GB (8x32GB)
	E5-2609v3,	8GB (1x8GB)	120GB (7x16GB, 1x8GB)	256GB (8x32GB)

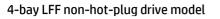
DDR4 memory options part number decoder

NOTE: Capacity references are rounded to the common Gigabyte values.

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

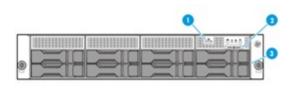


Storage

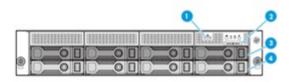




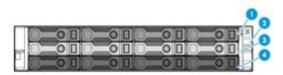
8-bay LFF non-hot plug drive model



8-bay LFF hot-plug drive model



12-bay LFF hot-plug drive model



1-4 4 x LFF SATA/SAS/SSD Hot Pluggable Hard Drives Bays

1-8 8 x LFF SATA Non- Hot Pluggable Hard Drive Bays

1-8 8 x LFF SATA/SAS/SDD Hot Pluggable Hard Drive Bays

1-12 12 x LFF SATA/SAS/SDD Hot Pluggable Hard drive bays



Technical Specifications

System Unit	Dimensions (with bezel)	3.45 x 18.98 x 24.97 in (8.)	75 x 44.55 x 60.7 cm)
•	Weight	Maximum ⁻	47/6 lb (21.59 kg)
	(approximate)	Minimum ⁼	36.58 lb (16.59 kg)
	Input Requirements	Rated Line Voltage	100 to 240 VAC
		Rated Input Current	For 550W Power Supply ⁼ 6.7 A (at 100 VAC) 3.3 A (at 200 VAC)
		Rated Input Frequency	47 to 63 Hz
		Rated Input Power	For 550 W Power Supply ⁼ < 670 W (at 100 VAC), < 660 W (at 200 VAC),
	BTU Rating	Maximum	For 550 W Power Supply ⁼ 2201 BTU/hr (at 100 VAC), 2153 BTU/hr (at 200 VAC)
	Power Specifications	available via the online too energy-efficient or http=//	power ratings use the Power Advisor which is ol located at URL=http=//www.hp.com/go/proliant- www.hp.com/go/hppoweradvisor - Click on the le=DL80 Gen9- Follow the instructions of the next
	Power Supply Output	Rated Steady-State Power	r For 550 W Power Supply ⁻ 550 W (at 100 VAC), 550 W (at 200 VAC),
		Maximum Peak Power	For 550 W Power Supply ⁼ 550 W (at 100 VAC), 550 W (at 200 VAC),
	System Inlet Temperature	Standard Operating Support	10° to 35°C (50° to 95°F) at sea level with an altitude derating of 1.0°C per every 305 m (1.8°F per every 1000 ft) above sea level to a maximum of 3050 m (10,000 ft), no direct sustained sunlight. Maximum rate of change is 20°C/hr (36°F/hr). The upper limit and rate of change may be limited by the type and number of options installed. System performance during standard operating support may be reduced if operating with a fan fault or above 30°C (86°F).
		Extended Ambient Operating Support	For approved hardware configurations, the supported system inlet range is extended to be ⁻ 5° to 10°C (41° to 50°F) and 35° to 40°C (95° to 104°F) at sea level with an altitude derating of 1.0°C per every 175 m (1.8°F per every 574 ft) above 900 m (2953 ft) to a maximum of 3050 m (10,000 ft). The approved hardware configurations for this system are listed at the URL ⁻ http ⁻ //www.hp.com/servers/ashrae
			in the extended ambient operating range or with a fan fault.
			NOTE- Supports A3 extended ambient.
		Non-operating	-30° to 60°C (-22° to 140°F). Maximum rate of change is 20°C/hr (36°F/hr).
	Relative Humidity	Operating	Minimum to be the higher (more moisture) of -



Technical Specifications (non-condensing) 12°C (10.4°F) dew point or 8% relative humidity. Maximum to be the lower (less moisture) of 24°C (75.2°F) dew point or 90% relative humidity. 5% to 95% relative humidity (Rh), 38.7°C Non-operating (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). 9144 m (30.000 ft). Maximum allowable altitude Non-operating change rate is 457 m/min (1500 ft/min). **Acoustic Noise** Listed are the declared A-Weighted sound power levels (LWAd) and declared average bystander position A-Weighted sound pressure levels (LpAm) when the product is operating in a 23°C ambient environment. Noise emissions were measured in accordance with ISO 7779 (ECMA 74) and declared in accordance with ISO 9296 (ECMA 109). Idle LWAd Entry=4.8 B Base=4.7 B LpAm Entry=34 dBA Base=33 dBA Operating LWAd Entry=4.9 B Base⁻4.9 B Entry=34 dBA LpAm Base=36 dBA **Emissions Classification** FCC Rating Class A (EMC) Normative Standards CISPR 227EN550227EN550247FCC CFR 47, Pt 157 ICES-003+CNS14336-1+CNS13438+GB4943+ GB92547EN 61000-3-27EN 61000-3-37EN 60950-1HEC 60950-1 **NOTE**= Product conformance to cited product specifications is based on sample (type) testing, evaluation, or assessment. This product or family of products is eligible to bear the appropriate compliance logos and statements. **NOTE**: The listed sound levels apply to standard shipping configurations. Additional options may result in increased sound levels.



Technical Specifications

HP Dynamic Smart Array	Number of PCI links	Four				
B140i Controller	PCI link rate	4Gb/s				
	Storage protocol suppor	SATA				
	SAS/SATA peak data transfer rate	6Gb/s				
	Number of SAS/SATA links	s 10 links				
	SAS/SATA connectivity	2x4 connectors72x1 conn	ectors			
	Expander support	No				
	Drives supported (max)	Up to 10 Internal Drives				
	RAID support	0, 1, 10, 5 SATA				
	Software management	HP SSA, SMH, SIM				
	Warranty	Server warranty				
	HP Secure Encryption license	Not Supported				
	HP SmartCache License	Not Supported				
	HP Smart Storage Administrator	Supported				
HP Embedded Dual Port	Network Interface	10Base-T/100Base-TX/100	00Base-TX			
361i Adapter	Compatibility	IEEE 802.3 10Base-T IEEE 802.3ab 1000Base-T IEEE 802.3u 100Base-TX IEEE 1588, IEEE 802.1AS IEEE 802.3az - Energy Effi	icient Ethernet (EEE)			
	Data Transfer Method	PCI Express v 2.0, 5.0 GT/s	5, two lanes (x2)			
	Controller	Intel 1350 Powerville				
		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			
	Network Transfer Rate	100Base-TX (Half-Duplex)	• • •			
		100Base-TX (Full-Duplex)	200 Mb/s per port, 800 Mb/s combined			
		1000Base-TX (Half and	1000Mb/s per port, 4000 Mb/s combined			
		Full-Duplex)				
	Connector	Full-Duplex) Two RJ-45				
	Connector Cable Support	-	Categories 3, 4 or 5 UTP∓up to 328 ft (100 m)			



Technical Specifications

Environment-friendly	Ε
Products and Approach	M
	R

End-of-life Management and Recycling Hewlett-Packard offers end-of-life HP product return, trade-in, and recycling programs in many geographic areas. For trade-in information, please go to⁻ http⁻//www.hp.com/go/green. To recycle your product, please go to⁻ http⁻//www.hp.com/go/green or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.

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 web site at=http=//www.hp.com/go/green. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.



Summary of Changes

Date	Version History	Action	Description of Change=
02/09/2015	From Version 1 to 2	Added	Added HP Insight Software.
			Added new G4 UPS models.
		Changed	HP Memory, HP Tape Backup, HP Disk Backup, HP Rack Mount
			Consoles, KVM Switches, and Keyboards, and HP Uninterruptible
			Power Systems (UPS) sections were revised.



© Copyright 2015 Hewlett-Packard Development Company, L.P.

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

Intel[®] and Xeon[®] are registered trademarks of Intel Corporation in the U.S. and other countries.

Microsoft[®], Windows[®], and Windows Server[®] are U.S. registered trademarks of the Microsoft group of companies.

For hard drives, 1GB = 1 billion bytes. Actual formatted capacity is less

