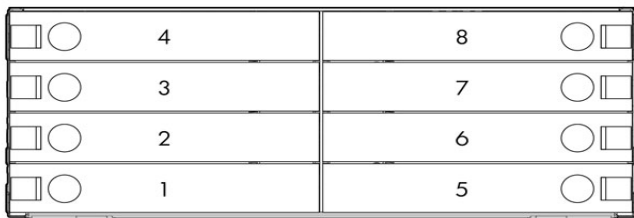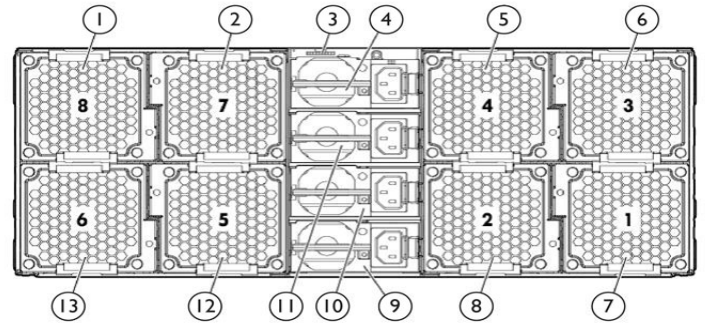## Overview

HPE ProLiant s6500 Chassis

The HPE ProLiant s6500 chassis can accommodate up to eight half-width or four full width servers gives you the ability to mix and match server nodes, and also allows for single node serviceability (SNS)-making it an extremely flexible chassis. This, in other words, means that you can add or remove compute capacity based on your business needs. The highly efficient multi-node chassis with shared power and cooling components, including energy efficient fans and optional hot-plug redundant PSU helps reduce power consumption when compared to previous generation servers.

Front View:

1. Server Bay 1
2. Server Bay 2
3. Server Bay 3
4. Server Bay 4
5. Server Bay 5
6. Server Bay 6
7. Server Bay 7
8. Server Bay 8

Back View:

1. Fan 8
2. Fan 7
3. SL-APM interface
4. Power supply 4
5. Fan 4
6. Fan 3
7. Fan 1
8. Fan 2
9. Power Supply 1
10. Power Supply 2
11. Power Supply 3
12. Fan 5
13. Fan 6

What's New

- Updating supported options

Standard Features

System Fans	Non-redundant model Redundant model **NOTE:** all 8 fan bays must be populated with either redundant or non-redundant fans **NOTE:** mixing and matching of fans is not supported
Form Factor	HPE ProLiant s6500 Chassis - 4U
Warranty	This product is covered by a global limited warranty and supported by HPE Services and a worldwide network of Hewlett Packard Enterprise Authorized Channel Partners. Hardware diagnostic support and repair is available for one year from date of purchase. Support for software and initial setup is available for 90 days from date of purchase. Enhancements to warranty services are available through HPE Pointnext operational services or customized service agreements. Hard drives have either a one year or three year warranty. **NOTE:** Server Warranty includes 1 year Parts, 1 year Labor, 1-year on-site 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 HPE 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**.
Factory Express Portfolio for Servers and Storage	HPE Factory Express offers configuration, customization, integration and deployment services for Hewlett Packard Enterprise servers and storage products. Customers can choose how their factory solutions are built, tested, integrated, shipped and deployed. Factory Express offers service packages for simple configuration, racking, installation, complex configuration and design services as well as individual factory services, such as image loading, asset tagging, and custom packaging. Hewlett Packard Enterprise products supported through Factory Express include a wide array of servers and storage: HPE Integrity, HPE ProLiant, HPE ProLiant Server Blades, HPE BladeSystem, HPE 9000 servers as well as the MSAxxxx, VA7xxx, EVA, XP, rackable tape libraries and configurable network switches. 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**.

Service and Support

Service and Support	**The support services for s6500 chassis includes support for trays SL390s, SL230s, SL250s, SL270s - No separate support care pack are required for the trays.**
	HPE Technology Services for Industry Standard Servers
	HPE Technology Services delivers confidence, reduces risk and helps customers realize agility and stability. Connect to HPE 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 HPE Pointnext operational services
	HPE Pointnext operational 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**
	HPE Proactive Care with 24x7 coverage, three year Care Pack Service
	HPE Proactive Care helps prevent problems and stabilize IT by utilizing secure, real-time, predictive analytics and proactive consultations when your products are connected to HPE. 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 HPE ProLiant server. http://h20195.www2.hp.com/v2/GetPDF.aspx/4AA3-8855ENW.pdf
Standard Care	**Package that maintains high level of server availability**
	Foundation Care 24x7, three-year Care Pack Service
	HPE Foundation Care 24x7 connects you to Hewlett Packard Enterprise 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 HPE server. Simplify your support experience and make HPE your first call for hardware or software questions. **https://www.hpe.com/h20195/V2/GetDocument.aspx?docname=4AA4-8876ENW&cc=us&lc=en**
Related Services	**HPE Datacenter Care service**
	HPE Datacenter Care helps you improve IT stability and security, increase the value of IT, and enable agility and innovation. It is a structured framework of repeatable, tested, and globally available services "building blocks." You can deploy, operate, and evolve your datacenter wherever you are on your IT journey. With HPE Datacenter Care, you benefit from a personalized relationship with HPE via a single point of accountability for HPE and others' products. For more information, visit **http://www.hp.com/services/datacentercare**
	HPE ProLiant Server Hardware Installation
	Provides for the basic hardware installation of Hewlett Packard Enterprise branded servers, storage devices and networking options to assist you in bringing your new hardware into operation in a timely and professional manner. **http://h20195.www2.hp.com/V2/GetPDF.aspx/5981-9356EN.pdf**
	Factory Express for Servers and storage

Service and Support

HPE Factory Express offers configuration, customization, integration and deployment services for Hewlett Packard Enterprise 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. HPE 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 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 HPE Pointnext operational services can be found at: **http://www.hp.com/go/cpc**

Get connected to HPE 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**
Parts and Materials	Hewlett Packard Enterprise will provide HPE-supported replacement parts and materials necessary to maintain the covered hardware product in operating condition, including parts and materials for available and recommended engineering improvements. Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services. The defective media retention service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction.
For more information	To learn more on HPE ProLiant servers and HPE BladeSystem servers, please contact your Hewlett Packard Enterprise sales representative or Hewlett Packard Enterprise Authorized Channel Partner. Or visit: **http://www.hp.com/services/proliant**

Pre-configured Models

s6500 SL Server Support

| Server Nodes | HP ProLiant SL270s Gen8 SE 4U Left Tray Configure-to-order Server | 739055-B21 |
| | HP ProLiant SL270s Gen8 SE 4U Right Tray Configure-to-order Server | 739056-B21 |

Pre-configured Models
HPE ProLiant s6500 chassis

HP ProLiant s6500 3/1200 Redundant Fan Chassis 629236-B21	**Power Supply**	(3) 1200W (94% efficient) Platinum Plus Hot Plug Power Supplies
	Fans	(8) hot plug redundant fans
	Form Factor	4U chassis
	Tray blank	1 right and 1 left tray blank
	Power supply blanks	1 power supply blank
HP ProLiant s6500 2/1200 Non Redundant Fan Chassis 629235-B21	**Power Supply**	(2) 1200W (94% efficient) Platinum Plus Hot Plug Power Supplies
	Fans	(8) hot plug non-redundant fans
	Form Factor	4U chassis
	Tray blank	1 right and 1 left tray blank
	Power supply blanks	2 power supply blank

S6500 tray mixing support plan
NOTE: s6500 is a 4U chassis and has a left and a right side when using ½ width trays.
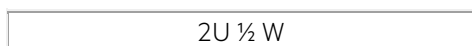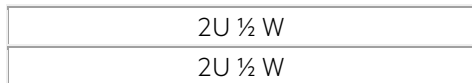**NOTE:** The picture below show how each half of the chassis can be configured.
NOTE: A full width tray uses the entire width of the chassis
NOTE: Mixing and matching of half width trays is supported.
NOTE: Mixing and Matching of Full width trays is supported
NOTE: Mixing and matching of Full and half width trays is NOT supported.
NOTE: 2U half width tray is NOT supported in middle 2 bays.

1U Full Width

1U ½ Width
1U ½ Width
1U ½ W
1U ½ W

2U ½ W
2U ½ W

1U ½ W
1U ½ W
2U ½ W

2U ½ W

Pre-configured Models

1U ½ W
1U ½ W

4U ½ W

Configuration Information - Factory Integrated Models

NOTE: This section lists some of the steps required to configure a Factory Integrated Model. To ensure only valid configurations are ordered, Hewlett Packard Enterprise recommends the use of an Hewlett Packard Enterprise approved configurator. Contact your local sales representative for information on configurable product offerings and requirements.
NOTE: FIO indicates that this option is only available as a factory installable option.

Step 1: Base Configuration (choose one from each list unless otherwise noted)

HPE Chassis	HPE ProLiant s6500 w/o Fans 4U Configure-to-order Chassis NOTE:NOTE: You must choose Power Supplies and fans as the chassis does not include them.	614167-B21
HPE Chassis Fans	HP s6500 Non Redundant Fan Kit **NOTE:** This kit includes only 1 fan **NOTE:** This selection must be ordered in quantities of 8.	617858-B21
	HP s6500 Redundant Fan Kit **NOTE:** This kit includes only 1 fan **NOTE:** This selection must be ordered in quantities of 8.	617856-B21
HPE Tray Blanks	HP s6500 Half Width Node Left Blank Kit **NOTE:** Node blank is needed when not completely filling s6500 chassis and when servicing a node.	688928-B21
	HP s6500 Half Width Node Right Blank Kit **NOTE:** Node blank is needed when not completely filling s6500 chassis and when servicing a node.	688930-B21

HPE Power Supplies

NOTE: Mixing of power supplies in the same chassis is not supported. All power supplies inside a server must be exactly the same model. Mixing Gold, Platinum, and Platinum Plus certified power supplies is not supported.
NOTE: Prior to making a power supply selection it is highly recommended that the HPE Power Advisor is run to determine the right size power supply for your server configuration. The HPE Power Advisor is located at:
http://www.hp.com/go/hppoweradvisor.

NOTE: Choose correct power supply from list below depending on generation of server.
NOTE: The s6500 chassis is limited to 4800W AC or 4320W DC after losses. This does not change with the 1500W Power Supplies. 1500W Power Supplies provide higher processor wattage support and more power in a redundant or N+N configuration.

HPE Common Slot Platinum Plus Power Supply Kits
NOTE: These power supplies support Gen8 servers.

HPE 750W Common Slot Platinum Plus Hot Plug Power Supply Kit	656363-B21
HPE 1200W Common Slot Platinum Plus Hot Plug Power Supply Kit	656364-B21
HPE 1500W Common Slot Platinum Plus Power Supply Kit	684532-B21

HPE Common Slot Platinum Power Supplies
NOTE: This Power Supply supports G6 and G7 servers.

HPE 1200W Common Slot Platinum Hot Plug Power Supply Kit	578322-B21

HPE Common Slot Gold Power Supplies
NOTE: This Power Supply supports G6 and G7 servers.

HPE 750W Common Slot Gold Hot Plug Power Supply Kit	512327-B21

HPE Common Slot 277VAC Power Supplies
NOTE: 94% efficiency.

HPE Common Slot 380VDC Power Supplies
NOTE: 94% efficiency.

Configuration Information - Factory Integrated Models

NOTE: Power Specification and Technical Content for supported power supplies can be found at: **https://www.hpe.com/h20195/v2/GetHTML.aspx?docname=c04111541**

NOTE: The following Power Supplies can only be implemented with servers containing Ivy Bridge processors. These Power Supplies will not be compatible with any servers with Sandy Bridge Processors.

HPE 750W Common Slot Platinum Hot Plug Power Supply Kit	739254-B21
HPE 1200W Common Slot Platinum Hot Plug Power Supply Kit	748287-B21

Step 2: Choose Additional Options for Factory Integration

NOTE: For additional options, please refer to the "Additional Options" section below.

HPE Power Supplies

NOTE: Mixing of power supplies in the same chassis is not supported. All power supplies inside a server must be exactly the same model. Mixing Gold, Platinum, and Platinum Plus certified power supplies is not supported.

NOTE: Prior to making a power supply selection it is highly recommended that the HPE Power Advisor is run to determine the right size power supply for your server configuration. The HPE Power Advisor is located at: **http://www.hp.com/go/hppoweradvisor**.

NOTE: Choose correct power supply from list below depending on generation of server.

HPE Common Slot Platinum Plus Power Supply Kits
NOTE: This Power Supply supports Gen8 servers.

HPE 750W Common Slot Platinum Plus Hot Plug Power Supply Kit	656363-B21
HPE 1200W Common Slot Platinum Plus Hot Plug Power Supply Kit	656364-B21
HPE 1500W Common Slot Platinum Plus Power Supply Kit	684532-B21

HPE Common Slot Platinum Power Supplies
NOTE: This Power Supply supports G6 and G7 servers.

HPE 1200W Common Slot Platinum Hot Plug Power Supply Kit	578322-B21

HPE Common Slot Gold Power Supplies
NOTE: This Power Supply supports G6 and G7 servers.

HPE 750W Common Slot Gold Hot Plug Power Supply Kit	512327-B21

HPE Common Slot 277VAC Power Supplies
NOTE: 94% efficiency.

HPE Common Slot 380VDC Power Supplies
NOTE: 94% efficiency.

NOTE: Power Specification and Technical Content for supported power supplies can be found at: **https://www.hpe.com/h20195/v2/GetHTML.aspx?docname=c04111541**

NOTE: The following Power Supplies can only be implemented with servers containing Ivy Bridge processors. These Power Supplies will not be compatible with any servers with Sandy Bridge Processors.

HPE 750W Common Slot Platinum Hot Plug Power Supply Kit	739254-B21
HPE 1200W Common Slot Platinum Hot Plug Power Supply Kit	748287-B21

Additional Options

HPE SL Advanced Power Manager	The SL Advanced Power Manager is an optional rack level solution for the HPE ProLiant SL4540 and SL4545 which enables server-level DC (or hardware) power on and off and server-level monitoring. In addition, the SL APM will automatically discover SL hardware components which are connected into the SL APM solution.	
	The SL APM does not replace rack PDUs, but is designed to enable the utilization of basic, low cost, rack PDUs while providing the functionality of 'switched' PDUs which provide hardware power on/off of individual servers by turning off the AC power to the power supplies of a given server. Because the SL servers share power supplies to optimize power efficiency, using 'switched' PDUs to turn off the power supplies in the chassis will result in the loss of all servers in that chassis. The SL APM solves this by allowing server-level hardware power on/off of the DC power to the individual server motherboards.	
	HPE SL Advanced Power Manager Distribution Module Kit	620002-B21

DC Power Cable Kits	HPE 1.3M 48V DC Power Cable Kit	A5S97A
	HPE 2.5M 48V DC Power Cable Kit NOTE:NOTE: These power cord options are for use with the HPE 750W Common Slot -48VDC Hot Plug Power Supply Kit (636673-B21). A5S98A	A5S98A
	HPE T-latch Double Ended WW 18AWG DC 2m Jumper Cord NOTE:NOTE: This power cord option is for use with the HPE 1200W Common Slot 380VDC Hot Plug Power Supply Kit (684539-B21).	D4J67A

HPE Power Cords	**NOTE:** HPE ProLiant servers ships with an IEC-IEC power cord used for rack mounting with Power Distribution Units (PDUs).	
	HPE C13 - C14 WW 250V 10A Gray 0.7m Jumper Cord	A0K03A
	HPE C13 - C14 WW 250V 10A Gray 1.37m Jumper Cord	A0K04A
	HPE C13 - SEV 1011 CH 250V 10Amp 1.83m Power Cord	AF565A
	HPE C13 - DK-2.5A DK 250V 10Amp 1.83m Power Cord	AF566A
	HPE C13 - CEE-VII EU 250V 10Amp 1.83m Power Cord	AF568A
	HPE C13 - SI-32 IL 250V 10Amp 1.83m Power Cord	AF564A
	HPE C13 - NBR-14136 BR 250V 10Amp 1.83m Power Cord	AF591A
	HPE C13 - BS-1363A UK/HK/SG 250V 10Amp 1.83m Power Cord	AF570A
	HPE C13 - CEI-23-50 IT/CL 250V 10Amp 1.83m Power Cord	AF571A

Additional Options

HPE C13 - C14 WW 250V 10Amp 2.0m Jumper Cord	A0K02A
HPE C13 - IS-1293 IN 250V 10Amp HV 2.5m Power Cord	SG579A
HPE C13 - AS3112-3 AU 250V 10Amp 2.5m Power Cord	AF569A
HPE C13 - SABS-164 ZA 250V 10Amp 2.5m Power Cord	AF567A
HPE C13 - JIS C8303 JP 100V 12Amp 2.0m Power Cord	AF572A
HPE C13 - C14 WW 250V 10A Gray 3.0m Jumper Cord	A0K06A
HPE C13-NEMA 6-15P 10A/250V 3.6m Black Power Cord	A0N33A
HPE C13 - GB-1002 CN 250V 10Amp 1.83m Power Cord	AF557A
HPE C13 - KSC- 8305 KR 250V 10Amp 1.83m Power Cord	AF560A
HPE C13 - CNS-690 TW 110V 13Amp 1.83m Power Cord	AF561A
HPE C13 - Nema 5-15P TH/PH 250V 10Amp 1.83m Power Cord	AF559A
HPE C13 - Nema 5-15P US/CA 110V 10Amp 1.83m Power Cord	AF556A
HPE C13 - IS-1293 IN 240V 6Amp LV 2.0m Power Cord	AF562A
HPE C13 - IRAM -2073 AR 250V 10A 2.5m Power Cord	AF558A
HPE C13 - C14 WW 250V 10Amp Flint Gray 2.0m Jumper Cord	AF573A

HPE Tape Backup	**NOTE:** For the complete range of tape drives, autoloaders, libraries and media see: **http://www.hp.com/go/tape**. For hardware and software compatibility of HPE tape backup products see: **http://www.hp.com/storage/SPOCK**	
	HPE StoreEver LTO-6 Ultrium 6250 Tape Drive in a 1U Rack Mount Kit	C0L99A
	HPE StoreEver 1/8 G2 LTO-6 Ultrium 6250 Fibre Channel Tape Autoloader	C0H19A
HPE Tape Storage Systems	**HPE StoreEver MSL6480**	
	HPE StoreEver MSL6480 Scalable Base Module	QU625A
	NOTE: Please see the QuickSpecs for Technical Specifications and additional information: **https://www.hpe.com/h20195/v2/GetHTML.aspx?docname=c04111416** (Worldwide)	
HPE Disk Storage Systems	**Disk Enclosures**	
	NOTE: Please see the QuickSpecs for Technical Specifications and additional information: **https://www.hpe.com/h20195/v2/GetHTML.aspx?docname=c04111697** (Worldwide)	
HPE Uninterruptible Power Systems	**HPE Rack-mountable UPS**	
	HPE R1500 G3 Uninterruptible Power Supply (UPS)	
	NOTE: Please see the QuickSpecs for additional information:	

Additional Options

https://www.hpe.com/h20195/v2/GetHTML.aspx?docname=c04154376 (Worldwide)

HPE R/T3000 G2 Uninterruptible Power System (UPS)

NOTE: Please see the QuickSpecs for additional information:
https://www.hpe.com/h20195/v2/GetHTML.aspx?docname=c04154342 (Worldwide)

R5000 Uninterruptible Power System (UPS)

HPE R5000 3U IEC309-32A High Voltage INTL Uninterruptible Power System	AF4
HPE R5000 3U L630 High Voltage NA/JP Uninterruptible Power System	AF4

NOTE: Please see the QuickSpecs for additional information:
https://www.hpe.com/h20195/v2/GetHTML.aspx?docname=c04154372(Worldwide)

R7000 Uninterruptible Power System (UPS)

HPE R7000 4U 50A High Voltage NA/JP Uninterruptible Power System	AF4
HPE R7000 4U IEC-32A High Voltage INTL Uninterruptible Power System	AF4

NOTE: Please see the QuickSpecs for additional information:
https://www.hpe.com/h20195/v2/GetHTML.aspx?docname=c04123199 (Worldwide)

NOTE: For additional information on sizing your HPE UPS, please reference: **http://www.upssizer.com**

NOTE: Please see the UPS and PDU cable matrix's on the HPE Power Protection and Management page. Under Power Cords, click on the "HPE Power Cord Matrix" link. That link will list cable descriptions, requirements, and specifications for UPS and PDU units. Please see the following link:
http://www.hp.com/products/powercords.
NOTE: For additional information on HPE Uninterruptible Power Systems please go to:
http://www.hp.com/servers/rackups.

HPE Basic Power Distribution Units (bPDU)	**HPE Basic Power Distribution Unit: 1U/0U Version**	
	HPE Basic 1.9kVA/L5-20P 16A/120V Outlets (12) 5-20R/Horizontal NA/JP PDU	H5N
	HPE Basic 3.6kVA/60320 C20 Detachable 16A/230V Outlets (12) C13/Horizontal WW PDU	H5N
	HPE Basic Power Distribution Unit: Half Height Version	
	HPE Basic 2.8kVA/L5-30P 24A/120V Outlets (18) 5-20R/Vertical NA/JP PDU	H5N
	HPE Basic 4.9kVA/60320 C20 Detachable 16A/230V Outlets (20) C13/Vertical WW PDU	H5N
	HPE Basic 4.9kVA/L6-30P 24A/208V Outlets (20) C13/Vertical NA/JP PDU	H5N
	HPE Basic 7.3kVA/60309 5-wire 32A/230V Outlets (20) C13/Vertical INTL PDU	H5N
	HPE Basic 3Ph 8.6kVA/L15-30P 24A/208V Outlets (18) C13/Vertical NA/JP PDU	H5N
	HPE Basic Power Distribution Unit: Mid Height Version	
	HPE Basic 4.9kVA/L6-30P 24A/208V Outlets (24) C13 (6) C19/Vertical NA/JP PDU	H5N
	HPE Basic 7.3kVA/60309 3-wire 32A/230V Outlets (24) C13 (6) C19/Vertical INTL PDU	H5N
	HPE Basic 8.3kVA/CS8265C 40A/208V Outlets (30) C13 (6) C19/Vertical NA PDU	H5N
	HPE Basic 11kVA/60309 63A 3-wire 48A/230V Outlets (30) C13 (6) C19/Vertical INTL PDU	H5N
	HPE Basic 9.2kVA/50A Terminal Block 40A/230V Outlets (30) C13 (6) C19/Vertical WW PDU	H5N
	HPE Basic 3Ph 5.7kVA/ L21-20P 16A/120-208V Outlets (24) C13 (3) 5-20R/Vertical NA/JP PDU	H5N
	HPE Basic 3Ph 8.6kVA/L21-30P 24A/120-208V Outlets (24) C13 (3) C19 (3) 5-20R/Vertical NA/JP PDU	H5N
	HPE Basic 3Ph 8.6kVA/L15-30P 24A/208V Outlets (24) C13 (6) C19/Vertical NA/JP PDU	H5N
	HPE Basic 3Ph 11kVA/60309 5-wire 16A/230V Outlets (24) C13 (6) C19/Vertical INTL PDU	H5N
	HPE Basic Power Distribution Unit: Full Height Version	
	HPE Basic 3Ph 11kVA/60309 5-wire 16A/230V Outlets (36) C13 (6) C19/Vertical INTL PDU	H5N
	HPE Basic 3Ph 11kVA/60309 16A/240V Outlets (36) C13 (6) C19/Vertical NA PDU	H5N
	HPE Basic Power Distribution Unit: 480/277 Volt Version	
	HPE 800VA - 277V Input / 230V Output NA Rack Mount Transformer	H3X

Additional Options

NOTE: Please see the QuickSpecs for Technical Specifications and additional information:
https://www.hpe.com/h20195/v2/GetHTML.aspx?docname=c04111392 (Worldwide)

NOTE: Additional HPE Power Distribution Units are available. For a complete list of all HPE PDUs and additional information please visit: **http://www.hp.com/go/rackandpower**.

HPE Remote Monitoring Power Distribution Units (mPDU)		
	HPE Remote Monitored Power Distribution Unit: 1U Version	
	HPE Metered 2.8kVA/L5-30P 24A/120V Outlets (12) 5-20R/Horizontal NA/JP PDU	D9N43A
	HPE Metered 3.6kVA/60320 C20 Detachable 16A/230V Outlets (12) C13/Horizontal WW PDU	D9N46A
	HPE Metered 4.9kVA/L6-30P 24A/208V Outlets (12) C13/Horizontal NA/JP PDU	D9N44A
	HPE Remote Monitored Power Distribution Unit: Half Height Version	
	HPE Metered 3.6kVA/60320 C20 Detachable 16A/230V Outlets (16) C13/Vertical WW PDU	D9N45A
	HPE Remote Monitored Power Distribution Unit: Mid Height Version	
	HPE Metered 4.9kVA/L6-30P 24A/208V Outlets (20) C13 (4) C19/Vertical NA/JP PDU	D9N47A
	HPE Metered 7.3kVA/60309 32A 3-wire/230V Outlets (20) C13 (4) C19/Vertical INTL PDU	D9N48A
	HPE Metered 3Ph 8.6kVA/L15-30P 24A/208V Outlets (18) C13 (3) C19/Vertical NA/JP PDU	D9N51A
	HPE Metered 3Ph 8.6kVA/L21-30P 24A/120-208V Outlets (18) C13 (3) C19 (3) 5-20R/Vertical NA/JP PDU	D9N53A
	HPE Metered 3Ph 11kVA/60309 5-wire 16A/230V Outlets (18) C13 (3) C19/Vertical INTL PDU	D9N55A
	HPE Remote Monitored Power Distribution Unit: Full Height Version	
	HPE Metered 8.3kVA/CS8265C 40A/208V Outlets (30) C13 (3) C19/Vertical NA PDU	D9N49A
	HPE Metered 7.3kVA/60309 32A 3-wire/230V Outlet (32) C13 (4) C19/Vertical INTL PDU	D9N50A
	HPE Metered 3Ph 11kVA/60309 5-wire 16A/230V Outlets (30) C13 (3) C19/Vertical INTL PDU	D9N57A
	HPE Metered 3Ph 14.4kVA/CS8365C 40A/208V Outlets (12) C13 (12) C19/Vertical NA/JP PDU	D9N58A
	HPE Metered 3Ph 16.6kVA/60309 32A-30A 5-wire 24A/230V Outlets (30) C13 (3) C19/Vertical NA/JP PDU	D9N61A
	HPE Metered 3Ph 17.3kVA/60309 60A 4-wire 48A/208V Outlets (24) C13 (3) C19/Vertical NA/JP PDU	D9N54A
	HPE Metered 3Ph 17.3kVA/60309 60A 4-wire 48A/208V Outlets (12) C13 (12) C19/Vertical NA/JP PDU	D9N59A
	HPE Metered 3Ph 22kVA/60309 5-wire 32A/230V Outlets (12) C13 (12) C19/Vertical INTL PDU	D9N60A
	HPE Metered 3Ph 22kVA/60309 5-wire 32A/230V Outlet (30) C13 (3) C19/Vertical INTL PDU	D9N56A
	HPE Metered 3Ph 16.6kVA/60309 32A-30A 5-wire 24A/230V Outlets (12) C13 (12) C19/Vertical NA/JP PDU	D9N62A
	HPE Metered 3Ph 19.9kVA/L22-30P 24A/277V Outlets (30) RF-203P-HP/Vertical NA PDU	D9N63A
	HPE Environmental Sensor for Remote Monitored PDUs	
	HP Environmental Sensor for Remote Monitored and Managed PDUs	E2D53A

NOTE: Please see the QuickSpecs for additional information:
https://www.hpe.com/h20195/v2/GetHTML.aspx?docname=c04229509 (Worldwide)

HPE Intelligent Power Distribution	**iPDU Core Units**	
	HPE Intelligent Modular 4.9kVA/L6-30P 24A/208V Outlets (6) C19/Horizontal NA/JP PDU	AF520A

Additional Options

Units (iPDU)	HPE Intelligent Modular 8.3kVA/CS8265C 40A/208V Outlets (6) C19/Horizontal NA/JP PDU	AF521A
	HPE Intelligent Modular 3Ph 8.6kVA/L15-30P 24A/208V Outlets (6) C19/Horizontal NA/JP PDU	AF522A
	HPE Intelligent Modular 3Ph 14.4kVA/CS8365C 40A/208V Outlets (6) C19/Horizontal NA/JP PDU	AF533A
	HPE Intelligent Modular 3Ph 17.3kVA/60309 60A 4-wire 48A/208V (6) C19/Horizontal NA/JP PDU	AF523A
	HPE Intelligent Modular 7.3kVA/60309 3-wire 32A/230V Outlets (6) C19/Horizontal INTL PDU	AF525A
	HPE Intelligent Modular 3Ph 11kVA/60309 5-wire 16A/230V Outlets (6) C19/Horizontal INTL PDU	AF526A
	HPE Intelligent Modular 3Ph 22kVA/60309 5-wire 32A/230V Outlets (6) C19/Horizontal INTL PDU	AF527A
	HPE Intelligent Modular 3Ph 17.3kVA/IEC 60309 60A 4-wire 48A/208V (12) C19/Horizontal NA/JP PDU	AF535A
	HPE Intelligent Modular 3Ph 22kVA/60309 5-wire 32A/230V Outlets (12) C19/Horizontal INTL PDU	AF538A
	iPDU Kits with Standard Extension Bars	
	HPE Intelligent Modular 4.9kVA/L6-30P 24A/208V Outlets (20) C13 (6) C19/Horizontal NA/JP PDU	AF531A
	HPE Intelligent Modular 3Ph 8.6kVA/L15-30P 24A/208V Outlets (20) C13 (6) C19/Horizontal NA/JP PDU	AF532A
	HPE Intelligent Modular 7.3kVA/60309 3-wire 32A/230V Outlets (6) C19/Horizontal INTL PDU Kit	AF534A
	iPDU Extension Bars	
	HPE 5xC13 Intelligent PDU Extension Bar G2 Kit	AF547A
	HPE 5xC13 Outlets Power and UID LEDs Pair Standard Extension Bar	AF528A

NOTE: Please see the QuickSpecs for Technical Specifications and additional information: **https://www.hpe.com/h20195/v2/GetHTML.aspx?docname=c04123329** (Worldwide)
NOTE: Additional HPE Power Distribution Units are available. For a complete list of all HPE PDUs and additional information please visit: **http://www.hp.com/go/rackandpower**.

HPE Rail Kits	HPE s6500 4U Chassis	598109-B21

HPE Rack Series	**HPE Intelligent Series Rack**	
	HP 36U 600mm x 1200mm Enterprise Pallet Rack	BW899A
	HP 36U 600mm x 1200mm Enterprise Shock Rack	BW900A
	HP 42U 600mm x 1200mm Enterprise Pallet Rack	BW907A
	HP 42U 600mm x 1200mm Enterprise Shock Rack	BW908A
	HP 47U 600mm x 1200mm Enterprise Pallet Rack	BW913A
	HP 47U 600mm x 1200mm Enterprise Shock Rack	BW914A

NOTE: Please see the QuickSpecs for Technical Specifications such as height, width, depth, weight, and color: **https://www.hpe.com/h20195/v2/GetHTML.aspx?docname=c04123237** (Worldwide)
NOTE: For additional information regarding Rack Cabinets, please see the following URL: **http://www.hp.com/go/rackandpower**.

Additional Options

HPE Rack Options	**HPE TFT7600 G2 KVM Console Rackmount Keyboard Monitor**

NOTE: Please see the QuickSpecs for Technical Specifications and additional information:
https://www.hpe.com/h20195/v2/GetHTML.aspx?docname=c04154398
(Worldwide)

HPE Server Console Switches

NOTE: Please see the QuickSpecs for Technical Specifications and additional information:
https://www.hpe.com/h20195/v2/GetHTML.aspx?docname=c04123433
(Worldwide)

HPE Server Console Switch G2 with Virtual Media & CAC

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
KVM USB Cnsl Itfc Adapter 1PK ALL	336047-B21

NOTE: Please see the QuickSpecs for Technical Specifications and additional information:
https://www.hpe.com/h20195/v2/GetHTML.aspx?docname=c04168373
(Worldwide)

HPE IP Console Switch G2 with Virtual Media & CAC

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	AF622A

NOTE: Please see the QuickSpecs for Technical Specifications and additional information:
https://www.hpe.com/h20195/v2/GetHTML.aspx?docname=c04168374
(Worldwide)

HPE Pointnext operational services	**Proactive Care**

NOTE: Collaborative Support plus Proactive services delivered by the on shore/near shore Advanced Solution Center (ASC) and backed by the global delivery organization, end-to-end case ownership from a Technical Solution Specialists and Technical Account Manager who remotely delivers firmware/software revision management, proactive scans and incident trend reports. Recommended for customers running a virtualized infrastructure and/or customers who desire an enhanced call support experience.

Proactive Care Personalized Support Environmental Option
NOTE: to add an onsite Account Support Manager (ASM) to Proactive Care. ASM is an assigned resource who delivers support planning and brings technical expertise and best practices advice for the customer's environment.

HPE 3 year Proactive Care Next business day ProLiant s6500 Service	U3C66E
HPE 3 year Proactive Care 24x7 ProLiant s6500 Service	U3C72E
HPE 3 year Proactive Care 24x7 with DMR ProLiant s6500 Service	U3C75E
HPE 3 year Proactive Care 24x7 with CDMR s6500 Service	U9F76E

Foundation Care
NOTE: HPE Foundation Care 24x7 connects you to Hewlett Packard Enterprise 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

Additional Options

running on your HPE server. Simplify your support experience and make HPE your first call for hardware or software questions.

HPE 3 year Foundation Care 24x7 ProLiant s6500 Service	U2FN6E
HPE 3 year Foundation Care 24x7 wDMR ProLiant s6500 Service	U2FN7E
HPE 3 year Foundation Care 24x7 wCDMR ProLiant s6500 Service	U2FN8E

Installation Services

NOTE: Reduce the time required to get your system up and running and help minimize disruptions to your business.

HPE Install ProLiant s6500 Service	UR422E
HPE Startup ProLiant s6500 Service	UR423E
HPE Installation Non Standard Hours ProLiant s6500 Service	UR424E

NOTE: For more information, customer/resellers can contact:

http://www.hp.com/services/carepack

Technical Specifications

System Unit	**Chassis Dimensions** (H x W x D)	6.96 x 17.638 x 35.236in (17.68 x 44.8 x 89.55cm)	
	Weight (approximate)	Maximum (all hard drives, power supplies, and processors installed)	220lb (99.8kg)
	Input Requirements (per power supply)	Rated Line Voltage	90 to 140 VAC 180 to 264 VAC
		Rated Input Current	7.31A at 115VAC 3.6A at 230VAC
		Rated Input Frequency	47 to 63 Hz
		Rated Input Power	855W (at 100 VAC), 840.72W (at 200 VAC)
	Power Specifications	To review system power requirements, use the HPE Power Advisor which is available via download or online at **http://www.hp.com/go/hppoweradvisor**	
	Power Supply Output (per power supply)	Rated Steady-State Power	653.10W (at 100 VAC), 653.08W (at 200 VAC)
	System Inlet Temperature	Operating	50° to 95° F (10° to 35° C) at sea level with an altitude derating of 1.8°F per every 1000 ft (1.0°C per every 304.8 m) above sea level to a maximum of 10,000 ft (3048 m), no direct sustained sunlight. Maximum rate of change is 18°F/hr (10°C/hr). The upper limit may be limited by the type and number of options installed. System performance may be reduced if operating with a fan fault or above 86°F (30°C).
		Non-operating	-22° to 140° F (-30° to 60° C) Maximum rate of change is 36°F/hr (20°C/hr).
	Relative Humidity (non-condensing)	Operating	10% to 90% relative humidity (Rh), 82.4°F (28°C) maximum wet bulb temperature, non-condensing.
		Non-operating	5% to 95% relative humidity (Rh), 101.7°F (38.7°C) maximum wet bulb temperature, non-condensing.
	Altitude	Operating	10,000 ft (3048 m). This value may be limited by the type and number of options installed. Maximum allowable altitude change rate is 1500 ft/min (457 m/min).
		Non-operating	30,000 ft (9144 m). Maximum allowable altitude change rate is 1500 ft/min (457 m/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	

Technical Specifications

	LWAd	6.4
	LpAm	45dBA
	Operating	
	LWAd	6.7
	LpAm	51dBA
Emissions Classification (EMC)	FCC Rating	Class A
	Normative Standards	CISPR 22; EN55022; EN55024; FCC CFR 47, Pt 15; ICES-003; CNS13438; GB9254; K22;K24; EN 61000-3-2; EN 61000-3-3; EN 60950-1; IEC 60950-1

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.

Environment-friendly Products and Approach	**End-of-life Management and Recycling**	Hewlett Packard Enterprise offers end-of-life Hewlett Packard Enterprise 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 Hewlett Packard Enterprise sales office. Products returned to Hewlett Packard Enterprise 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 Enterprise web site at: **http://www.hp.com/go/green**. These instructions may be used by recyclers and other WEEE treatment facilities as well as Hewlett Packard Enterprise OEM customers who integrate and re-sell Hewlett Packard Enterprise equipment.

Summary of Changes

Date	Version History	Action	Description of Change
23-Oct-2017	Version 21	Changed	Care Pack naming and Service and Support- Parts and Materials updated.
21-Oct-2016	From Version 19 to 20	Changed	Branding edition.
01-Dec-2014	From Version 18 to 19	Changed	Add new paragraphs to the support section.
01-Nov-2014	From Version 17 to 18	Changed	Updated Service and Support.
27-Jun-2014	From Version 16 to 17	Changed	Power Supplies was revised in Configuration Information.
09-May-2014	From Version 15 to 16	Changed	Power Supplies was revised in Configuration Information.
18-Apr-2014	From Version 14 to 15	Changed	Optimized, Standard, and Basic Care were revised.
13-Dec-2013	From Version 13 to 14	Changed	HPE SL250s Gen8 lvb left and right Tray Node Server were added to Pre-Configured Models HPE Tape Storage Systems and HPE Disk Storage Systems were added to Additional Options HPE s6500 Full Width Node Blank Kit was removed from HPE Tray Blanks HPE 750W Common Slot Platinum Hot Plug Power Supply Kit was removed from HPE Power Supplies HPE Power Distribution Units was removed from Additional Options HPE Basic Power Distribution Units, HPE Remote Monitoring Power Distribution Units, and HPE Intelligent Power Distribution Units were revised in Additional Options
10-Sep-2013	From Version 12 to 13	Changed	Server nodes was revised in Pre-configured Models HPE Power Supplies was revised in Configuration Information - Factory Integrated Models HPE SL Advanced Manager, DC Power Cable Kits, HPE Power Distribution Units, and HPE Rail Kits were revised in Additional Options
22-Aug-2013	From Version 11 to 12	Added	Additional Options: Added HPE SL Advanced Power Manager and DC Power Cable Kits sections.
05-Jul-2013	From Version 10 to 11	Changed	HPE ProLiant SL390s G7 4U Right and Left Tray Node Servers were added to s6500 SL Server Support HPE Rail Kits was added to Additional Options Modular PDUs 1U/0U were removed from HPE Power Distribution Units
15-May-2013	From Version 9 to 10	Added	Additional Options: Added HPE Basic Power Distributions Units section.
		Removed	Additional Options: Removed HPE Disk Storage Systems section.
		Changed	Pre-Configured Models: Updated s6500 SL Sever Support Server Nodes

Summary of Changes

25-Mar-2013	From Version 8 to 9		Configuration Information-Factory Integrated Models: Updated Step 1 and Step 2 HPE Power Supplies section. Technical Specifications: Updated System Unit section.
		Removed	Preconfigured Models: Removed 622224-B21, 654393-B21 and 654940-B21 from the section.
		Added	Confuguration Information - Factory Integrated Models: Added HPE Common Slot 277VAC Power Supplies Information to the section.
19-Feb-2013	From Version 7 to 8	Changed	Changes made in HPE Pointnext operational services in the Addition Options section.
28-Dec-2012	From Version 6 to 7	Added	Configuration Information: in Step 1 added HPE Chassis Fans Additional Options: in HPE Tape Backup added HPE Disk Storage Systems
10-Dec-2012	From Version 5 to 6	Added	Added the What's New section s6500 SL Server Support Additional Options: HPE Tape Backup, HPE Uninterruptible Power Systems, HPE Power Distribution Units, & HPE intelligent Power Distribution Units (iPUD)
		Changed	Changes made to the Models, Configuration Information, Additional Options
16-May-2011	From Version 4 to 5	Changed	Changes made to throughout the QuickSpecs.
16-Dec-2011	From Version 3 to 4	Changed	Changes made in Step 1 of the Configuration Information section.
02-Dec-2011	From Version 1 to 3	Removed	HPE Rack Cable Management Kit, HPE 1200W Common Slot Platinum Plus Hot Plug Power Supply Kit, HPE Power Supplies for s6500 Chassis and 48VDC power supplies were removed from Configuration Information - Factory Integrated Models.

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