## Overview

The HP 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.
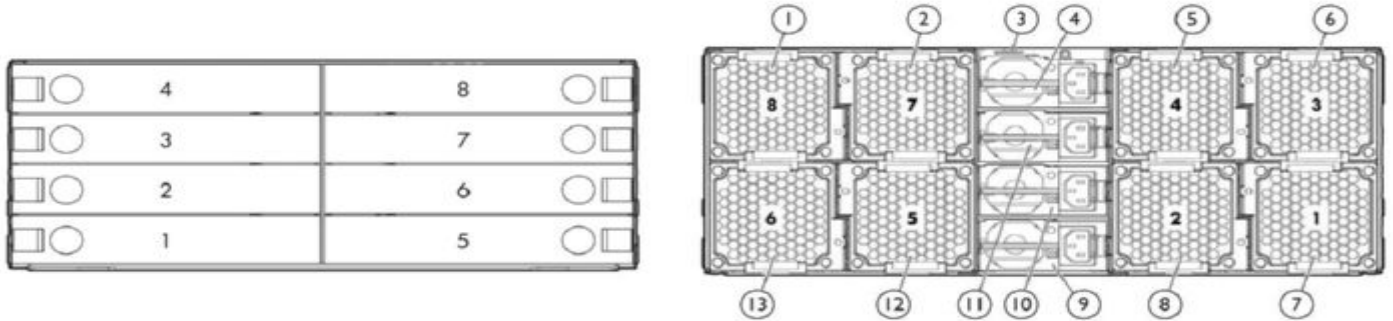
Front View:

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	HP ProLiant s6500 Chassis - 4U

Warranty

This product is covered by a global limited warranty and supported by HP Services and a worldwide network of HP 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 HP Care Pack 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 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.

Factory Express Portfolio 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.

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. HP products supported through Factory Express include a wide array of servers and storage: HP Integrity, HP ProLiant, HP ProLiant Server Blades, HP BladeSystem, HP 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.**
	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 that maintains 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

Service and Support

Related Services

HP Datacenter Care service

HP 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 HP Datacenter Care, you benefit from a personalized relationship with HP via a single point of accountability for HP and others' products. For more information, visit www.hp.com/services/datacentercare

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 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. 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 www.hp.com/go/proactiveinsightexperience

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.

For more information

To learn more on HP ProLiant servers and HP BladeSystem servers, please contact your HP sales representative or HP Authorized Channel Partner. Or visit http://www.hp.com/services/proliant

QuickSpecs

Pre-configured Models

s6500 SL Server Support

Server Nodes	HP ProLiant SL230s Gen8 1U Left Half Width Tray Configure-to-order Server	650047-B21
	HP ProLiant SL230s Gen8 1U Right Half Width Tray Configure-to-order Server	650048-B21
	HP ProLiant SL250s Gen8 2U PCIe Gen3 Left Half Width Tray Configure-to-order Server	698723-B21
	HP ProLiant SL250s Gen8 2U PCIe Gen3 Right Half Width Tray Configure-to-order Server	698724-B21
	HP SL250s Gen8 Ivb Lft Tray Node Server	750349-B21
	HP SL250s Gen8 Ivb Rht Tray Node Server	750350-B21
	HP ProLiant SL270s Gen8 1U Left Half Width Tray Configure-to-order Server	654947-B21
	HP ProLiant SL270s Gen8 1U Right Half Width Tray Configure-to-order Server	654948-B21
	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
HP 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

Pre-configured Models

S6500 tray mixing support plan

NOTE: s6500 is a 4U chassis and has a left and a right side when using ½ width trays.

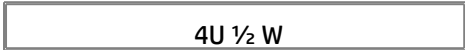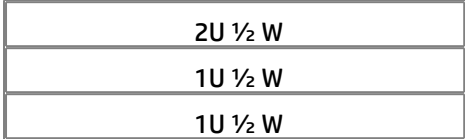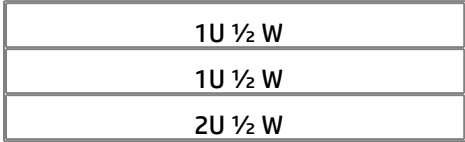**NOTE:** The picture below show how each half of the chassis can be configured.

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
1U ½ W
1U ½ W

4U ½ W
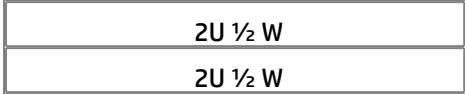
Configuration Information - Factory Integrated Models

NOTE: This section lists some of the steps required to configure a Factory Integrated Model. To ensure only valid configurations are ordered, HP recommends the use of an HP 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)

HP Chassis	HP ProLiant s6500 without Fans 4U Configure-to-order Chassis	614167-B21
	NOTE: You must choose Power Supplies and fans as the chassis does not include them.	
HP Chassis Fans	HP s6500 Non Redundant Fan Kit	617858-B21
	NOTE: This kit includes only 1 fan	
	NOTE: This selection must be ordered in quantities of 8.	
	HP s6500 Redundant Fan Kit	617856-B21
	NOTE: This kit includes only 1 fan	
	NOTE: This selection must be ordered in quantities of 8.	
HP Tray Blanks	HP s6500 Half Width Node Left Blank Kit	688928-B21
	NOTE: Node blank is needed when not completely filling s6500 chassis and when servicing a node.	
	HP s6500 Half Width Node Right Blank Kit	688930-B21
	NOTE: Node blank is needed when not completely filling s6500 chassis and when servicing a node.	
HP 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 HP Power Advisor is run to determine the right size power supply for your server configuration. The HP Power Advisor is located at: 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.	
	HP Common Slot Platinum Plus Power Supply Kits	
	NOTE: These power supplies support Gen8 servers.	
	HP 750W Common Slot Platinum Plus Hot Plug Power Supply Kit	656363-B21
	HP 1200W Common Slot Platinum Plus Hot Plug Power Supply Kit	656364-B21
	HP 1500W Common Slot Platinum Plus Hot Plug Power Supply Kit	684532-B21
	HP Common Slot Platinum Power Supplies	
	NOTE: This Power Supply supports G6 and G7 servers.	
	HP 1200W Common Slot Platinum Hot Plug Power Supply Kit	578322-B21
	HP Common Slot Gold Power Supplies	
	NOTE: This Power Supply supports G6 and G7 servers.	
	HP 750W Common Slot Gold Hot Plug Power Supply Kit	512327-B21
	HP Common Slot 277VAC Power Supplies	
	NOTE: 94% efficiency.	

Configuration Information - Factory Integrated Models

HP 1200W Common Slot 277VAC Hot Plug Power Supply Kit	717359-B21

NOTE: The 1200W Common Slot 277VAC Hot Plug Power Supply Kit does not include a power cord.

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

HP 1200W Common Slot 380VDC Hot Plug Power Supply Kit	684539-B21

NOTE: Power Specification and Technical Content for supported power supplies can be found at:
http://h18000.www1.hp.com/products/quickspecs/14209_div/14209_div.html

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.

HP 750W Common Slot Platinum Plus Hot Plug Power Supply Kit	739254-B21
HP 1200W Common Slot Platinum Plus 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.

HP 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 HP Power Advisor is run to determine the right size power supply for your server configuration. The HP Power Advisor is located at: www.hp.com/go/hppoweradvisor.
NOTE: Choose correct power supply from list below depending on generation of server.

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

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

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

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

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

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

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

HP 1200W Common Slot 277VAC Hot Plug Power Supply Kit	717359-B21

NOTE: The 1200W Common Slot 277VAC Hot Plug Power Supply Kit does not include a power cord.

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

HP 1200W Common Slot 380VDC Hot Plug Power Supply Kit	684539-B21

Configuration Information - Factory Integrated Models

NOTE: Power Specification and Technical Content for supported power supplies can be found at:
http://h18000.www1.hp.com/products/quickspecs/14209_div/14209_div.html

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.

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

QuickSpecs

Additional Options

HP SL Advanced Power Manager

The SL Advanced Power Manager is an optional rack level solution for the HP 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.

HP SL Advanced Power Manager Kit	538084-B21
HP SL Advanced Power Manager Distribution Module Kit	620002-B21

DC Power Cable Kits

HP 1.3M 48V DC Power Cable Kit	A5S97A
HP 2.5M 48V DC Power Cable Kit	A5S98A

NOTE: These power cord options are for use with the HP 750W Common Slot -48VDC Hot Plug Power Supply Kit (636673-B21). A5S98A

HP T-latch Double Ended WW 18AWG DC 2m Jumper Cord	D4J67A

NOTE: This power cord option is for use with the HP 1200W Common Slot 380VDC Hot Plug Power Supply Kit (684539-B21).

HP Power Cords

NOTE: HP ProLiant servers ships with an IEC-IEC power cord used for rack mounting with Power Distribution Units (PDUs).

HP C13 - C14 WW 250V 10A Gray 0.7m Jumper Cord	A0K03A
HP C13 - C14 WW 250V 10A Gray 1.37m Jumper Cord	A0K04A
HP C13 - SEV 1011 CH 250V 10Amp 1.83m Power Cord	AF565A
HP C13 - DK-2.5A DK 250V 10Amp 1.83m Power Cord	AF566A
HP C13 - CEE-VII EU 250V 10Amp 1.83m Power Cord	AF568A
HP C13 - SI-32 IL 250V 10Amp 1.83m Power Cord	AF564A
HP C13 - NBR-14136 BR 250V 10Amp 1.83m Power Cord	AF591A
HP C13 - BS-1363A UK/HK/SG 250V 10Amp 1.83m Power Cord	AF570A
HP C13 - CEI-23-50 IT/CL 250V 10Amp 1.83m Power Cord	AF571A
HP C13 - C14 WW 250V 10Amp 2.0m Jumper Cord	A0K02A
HP C13 - IS-1293 IN 250V 10Amp HV 2.5m Power Cord	SG579A
HP C13 - AS3112-3 AU 250V 10Amp 2.5m Power Cord	AF569A
HP C13 - SABS-164 ZA 250V 10Amp 2.5m Power Cord	AF567A
HP C13 - JIS C8303 JP 100V 12Amp 2.0m Power Cord	AF572A

Additional Options

HP C13 - C14 WW 250V 10A Gray 3.0m Jumper Cord	A0K06A
HP C13 - Nema 6-15P US 250V 15A JP 3.6m Power Cord	A0N33A
HP C13 - GB-1002 CN 250V 10Amp 1.83m Power Cord	AF557A
HP C13 - KSC- 8305 KR 250V 10Amp 1.83m Power Cord	AF560A
HP C13 - CNS-690 TW 110V 13Amp 1.83m Power Cord	AF561A
HP C13 - Nema 5-15P TH/PH 250V 10Amp 1.83m Power Cord	AF559A
HP C13 - Nema 5-15P US/CA 110V 10Amp 1.83m Power Cord	AF556A
HP C13 - IS-1293 IN 240V 6Amp LV 2.0m Power Cord	AF562A
HP C13 - IRAM -2073 AR 250V 10A 2.5m Power Cord	AF558A
HP C13 - C14 WW 250V 10Amp Flint Gray 2.0m Jumper Cord	AF573A

HP 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 HP tape backup products see: http://www.hp.com/storage/SPOCK

HP StoreEver LTO-6 Ultrium 6250 Tape Drive in 1U Rack-mount Kit	C0L99A
HP 1/8 G2 LTO-6 Ult 6250 FC Autoloader	C0H19A

HP Tape Storage Systems

HP StoreEver MSL6480

HP StoreEver MSL6480 Scalable Base Module	QU625A

NOTE: Please see the QuickSpecs for Technical Specifications and additional information: http://h18000.www1.hp.com/products/quickspecs/14604_div/14604_div.html (Worldwide)

HP Disk Storage Systems

Disk Enclosures

HP D2600 w/12 4TB 6G SAS 7.2K LFF Dual Port MDL HDD 48TB Bundle	E7W32A

NOTE: Please see the QuickSpecs for Technical Specifications and additional information: http://h18000.www1.hp.com/products/quickspecs/13404_div/13404_div.html (Worldwide)

HP Uninterruptible Power Systems

HP Rack-mountable UPS

HP R1500 G3 Uninterruptible Power Supply (UPS)

HP R1.5kVA G3 1U INTL Uninterruptible Power System	AF471A
HP R1.5kVA G3 1U JP/TW Uninterruptible Power System	AF470A
HP R1.5kVA G3 1U NA Uninterruptible Power System	AF469A

NOTE: Please see the QuickSpecs for additional information: http://h18000.www1.hp.com/products/quickspecs/14059_div/14059_div.html (Worldwide)

HP R/T3000 G2 Uninterruptible Power System (UPS)

HP R/T3000 G2 2U Detachable Cord High Voltage INTL Uninterruptible Power System	AF468A

Additional Options

HP R/T3000 G2 2U L530 Low Voltage NA/JP Uninterruptible Power System	AF466A
HP R/T3000 G2 2U L620 High Voltage NA/JP Uninterruptible Power System	AF467A

NOTE: Please see the QuickSpecs for additional information: http://h18000.www1.hp.com/products/quickspecs/14058_div/14058_div.html (Worldwide)

R5000 Uninterruptible Power System (UPS)

HP R5KVA 3U IEC309-32A High Voltage INTL Uninterruptible Power System	AF461A
HP R5KVA 3U L630 High Voltage NA/JP Uninterruptible Power System	AF460A

NOTE: Please see the QuickSpecs for additional information: http://h18000.www1.hp.com/products/quickspecs/14109_div/14109_div.html (Worldwide)

R7000 Uninterruptible Power System (UPS)

HP R7KVA 4U 50A High Voltage NA/JP Uninterruptible Power System	AF462A
HP R7KVA 4U IEC-32A High Voltage INTL Uninterruptible Power System	AF463A

NOTE: Please see the QuickSpecs for additional information: http://h18000.www1.hp.com/products/quickspecs/14110_div/14110_div.html (Worldwide)

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

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

HP Basic Power Distribution Units (bPDU)	**HP Basic Power Distribution Unit - 1U/0U Version**	
	HP 1.9kVA 120 Volt 12 Outlet NA/JP Basic Power Distribution Unit	H5M54A
	HP 3.6kVA 200-240 Volt 12 Outlet WW Basic Power Distribution Unit	H5M56A
	HP Basic Power Distribution Unit - Half Height Version	
	HP 2.8kVA 120 Volt 18 Outlet NA/JP Basic Power Distribution Unit	H5M55A
	HP 3.6kVA 200-240 Volt 20 Outlet WW Basic Power Distribution Unit	H5M57A
	HP 4.9kVA 208 Volt 20 Outlet NA/JP Basic Power Distribution Unit	H5M58A
	HP 7.3kVA 230 Volt 20 Outlet INTL Basic Power Distribution Unit	H5M68A
	HP 8.6kVA 208 Volt Three Phase 18 Outlet NA/JP Basic Power Distribution Unit	H5M61A
	HP Basic Power Distribution Unit - Mid Height Version	
	HP 4.9kVA 208 Volt 30 Outlet NA/JP Basic Power Distribution Unit	H5M59A
	HP 7.3kVA 230 Volt 30 Outlet INTL Basic Power Distribution Unit	H5M70A
	HP 8.3kVA 208 Volt 36 Outlet NA/JP Basic Power Distribution Unit	H5M60A
	HP 11kVA 230 Volt 36 Outlet INTL Basic Power Distribution Unit	H5M71A
	HP Hardwired 200-240 Volt 36 Outlet WW Basic Power Distribution Unit	H5M75A

Additional Options

HP 5.7kVA 208 Volt Three Phase 27 Outlet NA/JP Dual Voltage Basic Power Distribution Unit	H5M63A
HP 8.6kVA 208 Volt Three Phase 30 Outlet NA/JP Dual Voltage Basic Power Distribution Unit	H5M64A
HP 8.6kVA 208 Volt Three Phase 30 Outlet NA/JP Basic Power Distribution Unit	H5M62A
HP 11kVA 400 Volt Three Phase 30 Outlet INTL Basic Power Distribution Unit	H5M72A
HP Basic Power Distribution Unit - Full Height Version	
HP 11kVA 400 Volt Three Phase 42 Outlet INTL Basic Power Distribution Unit	H5M73A
HP 11kVA 400 Volt Three Phase 42 Outlet NA Basic Power Distribution Unit	H5M67A
HP Basic Power Distribution Unit - 480/277 Volt Version	
HP 13.2kVA 480 Volt Three Phase 15 Outlet NA Basic Power Distribution Unit	H3X07A
HP 19.9kVA 480 Volt Three Phase 30 Outlet NA Basic Power Distribution Unit	H3X08A
HP 800VA - 277V Input / 230V Output NA Rack Mount Transformer	H3X09A

NOTE: Please see the QuickSpecs for Technical Specifications and additional information:
http://h18000.www1.hp.com/products/quickspecs/14557_div/14557_div.html (Worldwide)

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

HP Remote Monitoring Power Distribution Units (mPDU)	**HP Remote Monitored Power Distribution Unit - 1U Version**	
	HP 2.8kVA 120 Volt 12 Outlet NA/JP Monitored Power Distribution Unit	D9N43A
	HP 3.6kVA 200-240 Volt 12 Outlet WW Monitored Power Distribution Unit	D9N46A
	HP 4.9kVA 208 Volt 12 Outlet NA/JP Monitored Power Distribution Unit	D9N44A
	HP Remote Monitored Power Distribution Unit - Half Height Version	
	HP 3.6kVA 200-240 Volt 16 Outlet WW Monitored Power Distribution Unit	D9N45A
	HP Remote Monitored Power Distribution Unit - Mid Height Version	
	HP 4.9kVA 208 Volt 24 Outlet NA/JP Monitored Power Distribution Unit	D9N47A
	HP 7.3kVA 230 Volt 24 Outlet INTL Monitored Power Distribution Unit	D9N48A
	HP 8.6kVA 208 Volt Three Phase 21 Outlet NA/JP Monitored Power Distribution Unit	D9N51A
	HP 5.7kVA 208 Volt Three Phase 21 Outlet NA/JP Dual Voltage Monitored Power Distribution Unit	D9N52A
	HP 8.6kVA 208 Volt Three Phase 24 Outlet NA/JP Dual Voltage Monitored Power Distribution Unit	D9N53A
	HP 11kVA 400 Volt Three Phase 21 Outlet INTL Monitored Power Distribution Unit	D9N55A
	HP Remote Monitored Power Distribution Unit - Full Height Version	
	HP 8.3kVA 208 Volt 33 Outlet NA Monitored Power Distribution Unit	D9N49A
	HP 7.3kVA 230 Volt 36 Outlet INTL Monitored Power Distribution Unit	D9N50A
	HP 11kVA 400 Volt Three Phase 33 Outlet INTL Monitored Power Distribution Unit	D9N57A
	HP 14.4kVA 208 Volt Three Phase 24 Outlet NA Monitored Power Distribution Unit	D9N58A
	HP 16.6kVA 400 Volt Three Phase 33 Outlet NA Monitored Power Distribution Unit	D9N61A

Additional Options

HP 17.3kVA 208 Volt Three Phase 27 Outlet NA/JP Monitored Power Distribution Unit	D9N54A
HP 17.3kVA 208 Volt Three Phase 24 Outlet NA/JP Monitored Power Distribution Unit	D9N59A
HP 22kVA 400 Volt Three Phase 24 Outlet INTL Monitored Power Distribution Unit	D9N60A
HP 22kVA 400 Volt Three Phase 33 Outlet INTL Monitored Power Distribution Unit	D9N56A
HP 16.6kVA 400 Volt Three Phase 24 Outlet NA Monitored Power Distribution Unit	D9N62A
HP 19.9kVA 480 Volt Three Phase 30 Outlet NA Monitored Power Distribution Unit	D9N63A

HP Environmental Sensor for Remote Monitored PDUs

HP Environmental Sensor for Remote Monitored PDUs	E2D53A

NOTE: Please see the QuickSpecs for additional information: http://h18000.www1.hp.com/products/quickspecs/14669_div/14669_div.html (Worldwide)

HP Intelligent Power Distribution Units (iPDU)

iPDU Core Units

HP 4.9kVA 24A Single Phase NA/JP Core Intelligent Modular Power Distribution Unit	AF520A
HP 8.3kVA 40A Single Phase NA/JP Core Intelligent Modular Power Distribution Unit	AF521A
HP 8.6kVA 24A Three Phase NA/JP Core Intelligent Modular Power Distribution Unit	AF522A
HP 14.4kVA 40A Three Phase NA/JP Intelligent Modular Power Distribution Unit	AF533A
HP 17.3kVA 48A Three Phase NA/JP Core Intelligent Modular Power Distribution Unit	AF523A
HP 17.3kVA 24A 415V Three Phase L22-30 NA Core Intelligent Power Distribution Unit	AF902A
HP 7.3kVA 32A Single Phase INTL Core Intelligent Modular Power Distribution 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

iPDU Kits with Standard Extension Bars

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 7.3kVA 32A Single Phase INTL Intelligent Modular Power Distribution Kit	AF534A

iPDU Extension Bars

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 QuickSpecs for Technical Specifications and additional information: http://h18000.www1.hp.com/products/quickspecs/13650_div/13650_div.html (Worldwide)

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

Additional Options

HP Rail Kits	HP s6500 4U Chassis	598109-B21

HP Rack Series	**HP Intelligent Series Rack**	
	HP 636 1200mm Pallet Intelligent Series Rack	BW899A
	HP 636 1200mm Shock Intelligent Series Rack	BW900A
	HP 642 1200mm Pallet Intelligent Series Rack	BW907A
	HP 642 1200mm Shock Intelligent Series Rack	BW908A
	HP 647 1200mm Pallet Intelligent Series Rack	BW913A
	HP 647 1200mm Shock Intelligent Series Rack	BW914A

NOTE: Please see the QuickSpecs for Technical Specifications such as height, width, depth, weight, and color: http://h18000.www1.hp.com/products/quickspecs/14223_div/14223_div.html (Worldwide)

NOTE: For additional information regarding Rack Cabinets, please see the following URL: http://www.hp.com/go/rackandpower.

HP Rack Options	**HP TFT7600 G2 KVM Console Rackmount Keyboard Monitor**	
	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 QuickSpecs for Technical Specifications and additional information: http://h18000.www1.hp.com/products/quickspecs/13731_div/13731_div.html (Worldwide)

HP Server Console Switches

	HP Server Console 0x2x8 Port Analog Switch	AF616A
	HP Server Console 0x2x16 Port Analog Switch	AF617A

Additional Options

HP TAA 0x2x16xKVM Server Console G2 Switch	AF626A

NOTE: Please see the QuickSpecs for Technical Specifications and additional information:
http://h18000.www1.hp.com/products/quickspecs/11834_div/11834_div.html (Worldwide)

HP 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
HP KVM CAT5 1-pack USB Interface Adapter	336047-B21

NOTE: Please see the QuickSpecs for Technical Specifications and additional information:
http://h18000.www1.hp.com/products/quickspecs/13475_div/13475_div.html (Worldwide)

HP 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:
http://h18000.www1.hp.com/products/quickspecs/13474_div/13474_div.html (Worldwide)

HP Care Pack 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.

HP 3 year ISS Proactive Care Personalized Support	U6W98E
HP 3 year Next business day ProLiant s6500 Proactive Care Service	U3C66E
HP 3 year 4 hour 24x7 ProLiant s6500 Proactive Care Service	U3C72E
HP 3 year 4 hour 24x7w/DMR s6500 Proactive Care Service	U3C75E
HP 3 year 4 hour 24x7w/CDMR s6500 Proactive Care Service	U9F76E

Foundation Care

NOTE: 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

Additional Options

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.

HP 3 year 4 hour 24x7 ProLiant s6500 Foundation Care Service	U2FN6E
HP 3 year 4 hour 24x7 w/DMR ProLiant s6500 Foundation Care Service	U2FN7E
HP 3 year 4 hour 24x7 w/CDMR ProLiant s6500 Foundation Care Service	U2FN8E

Installation Services

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

HP Install s6500 Service	UR422E
HP Startup s6500 Service	UR423E
HP Install non Standard Hours 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 HP Power Advisor which is available via download or online at 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).	

Technical Specifications

		Idle	
		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 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
03-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.