(5)

(6)

Overview

HP ProLiant s6500 Chassis

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.

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1 4 8 1 1 3 7 1 1 2 6 1 1 1 5 1	
Front View:	Back View:
1. Server Bay 1	1. Fan 8
2. Server Bay 2	2. Fan 7
3. Server Bay 3	3. SL-APM interface
4. Server Bay 4	4. Power supply 4
5. Server Bay 5	5. Fan 4
6. Server Bay 6	6. Fan 3
7. Server Bay 7	7. Fan 1
8. Server Bay 8	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 o 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 busines 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 Portfolic 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	HP Technology Services for Industry Standard Servers and BladeSystem Capitalizing on HP ProLiant server and HP BladeSystem capabilities requires a service partner who understands your increasingly complex business technology environment. That's why it makes sense to team up with the people who know HP infrastructure hardware and software best - the experienced professionals at HP Services.
	What HP ProLiant and BladeSystem Services can do for you HP ProLiant and BladeSystem Services can help you design, deploy, test, integrate, support, and manage IT and infrastructure solutions. This way, HP proposes services solutions that include more than just uplift of base warranty. You can get the support you need by choosing from one of a number of service packaged solutions we have designed to address wider set of customer support needs.
	HP Technology Services meets business challenges with services offered in three packages - Optimized Care Package, Standard Care Package, and Basic Care Package - available for each product group. Such packaged solutions enable customers to optimize technology operations, minimize risk and drive better business outcomes with easy-to-buy, easy-to-use scalable support packages for servers, storage, networking and software.
Optimized Care	Optimized Care Package: Supports maintaining servers at optimum performance availability
	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
	HP Installation and Startup for Insight Control Software Provides for the deployment and basic configuration of HP Insight Control on HP ProLiant ML and DL series servers or HP BladeSystem servers http://h20195.www2.hp.com/v2/GetPDF.aspx/4AA0-9972ENW.pdf
	HP Proactive Care 24x7 Service HP recommends Proactive Care for your scalable servers to prevent problems with proactive advice and assistance, resolve issues and rapidly recover by connecting to HP's enhanced call experience and advanced technical expertise.
	Additional Services: Data Center Transformation Service
Standard Care	Standard Care Package: Package that maintains high level of server availability
	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
	HP Installation and Startup for Insight Control Software Provides for the deployment and basic configuration of HP Insight Control on HP ProLiant ML and DL series servers or HP BladeSystem servers http://h20195.www2.hp.com/v2/GetPDF.aspx/4AA0-9972ENW.pdf
	HP Proactive Care Next Business Day Service This services combines next-business-day onsite hardware reactive support with proactive services and enhanced access to call specialists to manage and prevent problems.



Service and Support

	 3-Year, HP 24x7 Software Support for Insight Control Provides for the deployment and basic configuration of HP Insight Control on HP ProLiant ML and DL series servers or HP BladeSystem servers http://h20195.www2.hp.com/V2/GetPDF.aspx/5981-6645EEE.pdf Additional Services: Software OS (Microsoft, Linux (SUSE/Red Hat) & VMware Installation & Start Up 		
	and Software Support); Microsoft or Linux or VMware education courses; +60 Proactive Select Credits		
Basic Care	Basic Care Package: delivers minimum recommended support service level		
	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		
	HP Installation and Startup for Insight Control Software Provides for the deployment and basic configuration of HP Insight Control on HP ProLiant ML and DL series servers or HP BladeSystem servers http://h20195.www2.hp.com/v2/GetPDF.aspx/4AA0-9972ENW.pdf		
	HP Foundation Care Next Business Day 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 and software call back within two hours after opening your case. Make HP your first call for hardware or software questions; Collaborative Support is included in all Foundation Care Services for this product and provides troubleshooting assistance on software such as Microsoft Server, Red Hat Linux, VMware and more. Three years' coverage recommended with HP Care Pack Service.		
	3-Year , HP 24x7 Software Support for Insight Control Provides for the deployment and basic configuration of HP Insight Control on HP ProLiant ML and DL series servers or HP BladeSystem servers http://h20195.www2.hp.com/V2/GetPDF.aspx/5981-6645EEE.pdf		
	Additional Services : Software OS (Microsoft, Linux (SUSE/Red Hat) & VMware Installation & Start Up and Software Support); +30 Proactive Select Credits, Factory Express		
Insight Remote Support	The packages include HP Insight Remote Support that uses proven technology to deliver secure, reliable 24x7 remote monitoring, diagnoses, and problem resolution. It is available at no additional cost to all warranty, HP Care Pack Service, and service agreement customers.		
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		



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 lvb 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 Fans Form Factor Tray blank Power supply blanks	(3) 1200W (94% efficient) Platinum Plus Hot Plug Power Supplies (8) hot plug redundant fans 4U chassis 1 right and 1 left tray blank 1 power supply blank
HP ProLiant s6500 2/1200 Non Redundant Fan Chassis 629235-B21	Power Supply Fans Form Factor Tray blank Power supply blanks	(2) 1200W (94% efficient) Platinum Plus Hot Plug Power Supplies (8) hot plug non-redundant fans 4U chassis 1 right and 1 left tray blank 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 1⁄2 W
1U ½ W

2U ½ W



Pre-configured Models

2U ½ W

1U ½ W	
1U ½ W	
2U ½ W	

2U 1⁄₂ W	
1U ½ W	
1U ½ W	

4U 1⁄2 W



Configuration Information - Factory Integrated Models

configurable product o	mends the use of an HP approved configurator. Contact your local sales representative for ir fferings and requirements. at this option is only available as a factory installable option.	nformation on
Step 1: Base Con	figuration (choose one from each list unless otherwise noted)	
HP Chassis	HP ProLiant s6500 without Fans 4U Configure-to-order Chassis NOTE: You must choose Power Supplies and fans as the chassis does not include them.	614167-B21
HP 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
HP 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
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.	
	HP 1200W Common Slot 277VAC Hot Plug Power Supply Kit NOTE: The 1200W Common Slot 277VAC Hot Plug Power Supply Kit does not include a power cord.	717359-B21
	HP Common Slot 380VDC Power Supplies NOTE: 94% efficiency.	

NOTE: This section lists some of the steps required to configure a Factory Integrated Model. To ensure only valid configurations



Configuration Information - Factory Integrated Models

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 NOTE: The 1200W Common Slot 277VAC Hot Plug Power Supply Kit does not include a power cord.	717359-B21
	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



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 NOTE: These power cord options are for use with the HP 750W Common Slot -48VDC Hot Plug Power Supply Kit (636673-B21). A5S98A	A5S98A
	HP T-latch Double Ended WW 18AWG DC 2m Jumper Cord NOTE: This power cord option is for use with the HP 1200W Common Slot 380VDC Hot Plug Power Supply Kit (684539-B21).	D4J67A
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	AOKO3A
	HP C13 - C14 WW 250V 10A Gray 1.37m Jumper Cord	AOKO4A
	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	SG5794
	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
	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

Additional Option	5			
	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	COL99A		
	HP 1/8 G2 LTO-6 Ult 6250 FC Autoloader	COH19A		
HP Tape Storage	HP StoreEver MSL6480			
Systems	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 Syste	ms 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	HP Rack-mountable UPS			
Power Systems	HP R1500 G3 Uninterruptible Power Supply (UPS)			
	HP R1.5kVA G3 1U INTL Uninterruptible Power System			
	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		
	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		



Additional Options

Additional Options					
	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	HP Basic Power Distribution Unit: 1U/OU Version				
Distribution Units	HP 1.9kVA 120 Volt 12 Outlet NA/JP Basic Power Distribution Unit	H5M54A			
(bPDU)	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			
	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 PDUs and additional information please visit: www.hp.com/go/rackandpower.



HP Remote Monitoring	HP Remote Monitored Power Distribution Unit: 1U Version	
Power Distribution Units (mPDU)	HP 2.8kVA 120 Volt 12 Outlet NA/JP Monitored Power Distribution Unit	D9N43A
(IIIPDO)	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
	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	iPDU Core Units	
Distribution Units (iPDU)	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 ProLiant s6500 Chassis

Additional Options		
	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 iPDU Extension Bars	AF534A
		AFE 47A
	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.	
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	AZ879A
	HP TFT7600 G2 KVM Console Rackmount Keyboard BE Monitor	AZ880A
	HP TFT7600 G2 KVM Console Rackmount Keyboard JP Monitor	AZ882A



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	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
	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 onshore, local	
	language Advanced Solution Center (ASC), 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.	
	HP 3 year Next business day ProLiant s6500 Proactive Care Service	U3C66E
	HP 3 year 4 hour 24x7 ProLiant s6500 Proactive Care Service	U3C72E
	Collaborative Support NOTE: Hardware break/fix plus 24x7 software diagnosis support with collaborative call management for a broad spectrum of 3rd Party software products including O/S and hypervisors. Recommended for customers procuring 3rd party SW O/S and hypervisors from the software vendors directly and deploying them on HP ProLiant	
	Servers. HD 2 year Next by cinese day Brol jant c6500 Collaborative Support	
	HP 3 year Next business day ProLiant s6500 Collaborative Support	U1M46E



HP 3 year 4 hour 24x7 ProLiant s6500 Collaborative Support	U1M52E
Installation Services NOTE: Reduce the time required to get your system up and running and help	
minimize disruptions to your business. HP 3 year Next business day ProLiant s6500 Hardware Support	UR398E
HP 3 year 4 hour 24x7 ProLiant s6500 Hardware Support	UR402E
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		equirements, use the HP Power Advisor which is online at www.hp.com/go/hppoweradvisor
	Power Supply Output (per power supply)	Rated Steady-State Powe	r 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	declared average bystand (LpAm) when the product	Weighted sound power levels (LWAd) and er position A-Weighted sound pressure levels is operating in a 23°C ambient environment. Noise in accordance with ISO 7779 (ECMA 74) and th ISO 9296 (ECMA 109).
			C 4
		LWAd	6.4
		LpAm	45dBA



		Operating		
		LWAd	6.7	
		LpAm	51dBA	
	Emissions Classification	FCC Rating	Class A	
	(EMC)	Normative Standards	CISPR 22; EN55022; EN55024; FCC CFR 47, Pt 15; ICES-003; CNS13438; GB9254; K22;K24; EN 61000-3-2; EN 61000-3-3; EN 60950-1; IEC 60950-1	
		sample (type) testing, eva	ice to cited product specifications is based on luation, or assessment. This product or family of r the appropriate compliance logos and	
Environment-friendly Products and Approach	End-of-life Management and Recycling	nent 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:
27-June-2014	From Version 16 to 17	Added	HP Power Supplies 739254-B21and 748287-B21 added
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	HP SL250s Gen8 lvb left and right Tray Node Server were added to Pre-Configured Models
			HP Tape Storage Systems and HP Disk Storage Systems were added to Additional Options
			HP s6500 Full Width Node Blank Kit was removed from HP Tray Blanks
			HP 750W Common Slot Platinum Hot Plug Power Supply Kit was removed from HP Power Supplies
			HP Power Distribution Units was removed from Additional Options
			HP Basic Power Distribution Units, HP Remote Monitoring Power Distribution Units, and HP 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
			HP Power Supplies was revised in Configuration Information - Factory Integrated Models
			HP SL Advanced Manager, DC Power Cable Kits, HP Power Distribution Units, and HP Rail Kits were revised in Additional Options
22-Aug-2013	From Version 11 to 12	Added	Additional Options: Added HP SL Advanced Power Manager and DC Power Cable Kits sections.
05-Jul-2013	From Version 10 to 11	Changed	HP ProLiant SL390s G7 4U Right and Left Tray Node Servers were added to s6500 SL Server Support
			HP Rail Kits was added to Additional Options
			Modular PDUs 1U/0U were removed from HP Power Distribution Units
15-May-2013	From Version 9 to 10	Added	Additional Options: Added HP Basic Power Distributions Units section.
		Removed	Additional Options: Removed HP Disk Storage Systems section.
		Changed	Pre-Configured Models: Updated s6500 SL Sever Support Server Nodes
			Configuration Information-Factory Integrated Models:



Summary of Changes

			Updated Step 1 and Step 2 HP Power Supplies section.
25-Mar-2013	From Version 8 to 9	Removed	Technical Specifications: Updated System Unit section. Preconfigured Models: Removed 622224-B21, 654393-
25-Mdi-2013	FIOIII VEISIOII 8 LO 9	Removed	B21 and 654940-B21 from the section.
		Added	Confuguration Information – Factory Integrated Models: Added HP Common Slot 277VAC Power Supplies Information to the section.
19-Feb-2013	From Version 7 to 8	Changed	Changes made in HP Care Pack Services in the Addition Options section.
28-Dec-2012	From Version 6 to 7	Added	Configuration Information: in Step 1 added HP Chassis Fans
			Additional Options: in HP Tape Backup added HP Disk Storage Systems
10-Dec-2012	From Version 5 to 6	Added	Added the What's New section
			s6500 SL Server Support
			Additional Options: HP Tape Backup, HP Uninterruptible Power Systems, HP Power Distribution Units, & HP 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 QuickSpec.
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	HP Rack Cable Management Kit, HP 1200W Common Slot Platinum Plus Hot Plug Power Supply Kit, HP Power Supplies for s6500 Chassis and 48VDC power supplies were removed from Configuration Information - Factory Integrated Models.

Summary of Changes

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

