

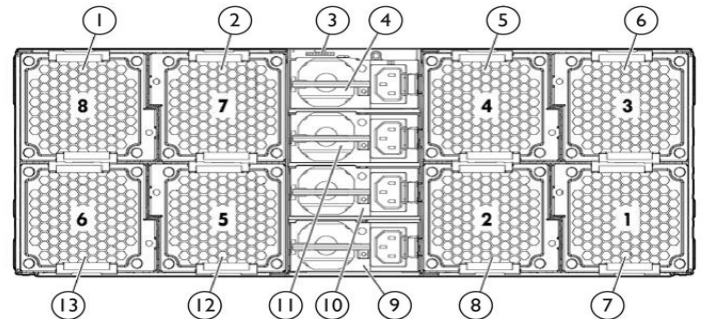
Overview

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

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>

3-Year HP Critical Advantage

Provides end-to-end infrastructure support solution for business critical applications running on virtualized/x86 infrastructures, enabling the customers to cost effectively build, operate, and continuously improve their IT environment
<http://h20195.www2.hp.com/V2/GetDocument.aspx?docname=4AA3-1772ENW>

Additional Services: Data Center Transformation Service

Service and Support

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>

3-Year HP 6 hour Hardware Support Onsite Call-to-Repair Service

Provides an IT manager with a team of support specialists who will quickly begin troubleshooting the system to help return the hardware to operating condition within 6 hours of the initial service request to the HP Global Solution Center
<http://h20195.www2.hp.com/V2/GetPDF.aspx/5981-6636ENN>

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>

3-Year HP 24x7 4 hour Response, Hardware Support Onsite Service

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>

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

Service and Support

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 SL170s G6 Left Tray Node Server	622226-B21
	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 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 SL390s G7 4U Left Tray Node Server	612228-B21
	HP ProLiant SL390s G7 4U Right Tray Node Server	612227-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

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.



Pre-configured Models

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 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 Full Width Node Blank Kit NOTE: Node blank is needed when not completely filling s6500 chassis and when servicing a node.	689177-B21
	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: 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	
	HP 750W Common Slot Platinum Plus Hot Plug Power Supply Kit NOTE: This Power Supply supports Gen8 servers.	656363-B21
	HP 1200W Common Slot Platinum Plus Hot Plug Power Supply Kit NOTE: This Power Supply supports Gen8 servers.	656364-B21
	HP Common Slot Platinum Power Supplies	
	HP 750W Common Slot Platinum Hot Plug Power Supply Kit NOTE: This Power Supply supports G6 and G7 servers.	593831-B21
	HP 1200W Common Slot Platinum Hot Plug Power Supply Kit NOTE: This Power Supply supports G6 and G7 servers.	578322-B21
	HP Common Slot Gold Power Supplies	
	HP 750W Common Slot Gold Hot Plug Power Supply Kit NOTE: This Power Supply supports G6 and G7 servers.	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.

Step 2: Choose Additional Options for Factory Integration

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

HP Power Supplies

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

HP 750W Common Slot Platinum Plus Hot Plug Power Supply Kit 656363-B21

NOTE: This Power Supply supports Gen8 servers.

HP 1200W Common Slot Platinum Plus Hot Plug Power Supply Kit 656364-B21

NOTE: This Power Supply supports Gen8 servers.

HP Common Slot Platinum Power Supplies

HP 750W Common Slot Platinum Hot Plug Power Supply Kit 593831-B21

NOTE: This Power Supply supports G6 and G7 servers.

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

NOTE: This Power Supply supports G6 and G7 servers.

HP Common Slot Gold Power Supplies

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

NOTE: This Power Supply supports G6 and G7 servers.

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.

Additional Options

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 - Nema 6-15P US 250V 15A JP 3.6m Power Cord	A0N33A
HP C13 - Nema 5-15P TH/PH 250V 10Amp 1.83m Power Cord	AF559A
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 StoreEver LTO-6 Ultrium 6650 Internal Tape Drive	EH963A
HP StoreEver LTO-6 Ultrium 6650 External Tape Drive	EH964A
HP StoreEver LTO-6 Ultrium 6250 Internal Tape Drive	EH969A
HP StoreEver LTO-6 Ultrium 6250 External Tape Drive	EH970A

HP Disk Storage Systems

HP StorageWorks P2000 G3 Modular Smart Array Systems

Configured Units, 8 Gb Fibre Channel Systems

HP P2000 G3 MSA FC/iSCSI Dual Combo Controller SFF Array	AW568A
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Configured Units, 6 Gb SAS Systems

HP P2000 G3 SAS MSA Dual Controller SFF Array System	AW594A
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NOTE: Please see the QuickSpecs for additional part numbers and information at: http://h18000.www1.hp.com/products/quickspecs/13551_na/13551_na.html

HP Uninterruptible Power Systems

HP Rack-mountable UPS

HP R1500 G3 Uninterruptible Power Supply (UPS)

HP R1.5kVA G3 1U NA Uninterruptible Power System	AF469A
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NOTE: Please see the QuickSpecs for additional information:

http://h18000.www1.hp.com/products/quickspecs/14059_na/14059_na.html

HP R/T3000 G2 Uninterruptible Power System (UPS)

HP R/T3000 G2 2U L530 Low Voltage NA/JP Uninterruptible Power System	AF466A
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HP R/T3000 G2 2U L620 High Voltage NA/JP Uninterruptible Power System	AF467A
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NOTE: Please see the QuickSpecs for additional information:

http://h18000.www1.hp.com/products/quickspecs/14058_na/14058_na.html

R5000 Uninterruptible Power System (UPS)

HP R5KVA 3U L630 High Voltage NA/JP Uninterruptible Power System	AF460A
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NOTE: Please see the QuickSpecs for additional information:

http://h18000.www1.hp.com/products/quickspecs/14109_na/14109_na.html

R7000 Uninterruptible Power System (UPS)



Additional Options

HP R7KVA 4U 50A High Voltage NA/JP Uninterruptible Power System AF462A

NOTE: Please see the QuickSpecs for additional information:

http://h18000.www1.hp.com/products/quickspecs/14110_na/14110_na.html

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 Power Distribution Units

Monitored PDUs

HP Monitored Power Distribution Unit: Full Rack Version

HP 8.6kVA 24A Single Input Three Phase NA/JP Monitored Power Distribution Unit AF504A

HP 8.3kVA 40A Single Input Single Phase NA/JP Monitored Power Distribution Unit AF506A

HP Monitored Power Distribution Unit: Half Rack Version

HP 4.9kVA 24A Single Input Single Phase NA/JP Monitored Power Distribution Unit AF914A

NOTE: Please see the QuickSpecs for Technical Specifications and additional information:

http://h18000.www1.hp.com/products/quickspecs/12118_na/12118_na.html

Modular PDUs 1U/0U

NOTE: 1U/0U mounting brackets shipped with the unit (optimized for 10000 G2 and 9000 series racks).

HP 4.9kVA 24A High Voltage NA/JP Modular Power Distribution Unit 252663-D72

HP 2.8kVA 24A Low Voltage NA/JP Modular Power Distribution Unit 252663-D71

NOTE: For additional information on HP Power Distribution Units including accessories please go to: www.hp.com/go/pdu.

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: This PDU has a detachable input power cord and allows for adaptability to country specific power requirements.

NOTE: Please see the following QuickSpecs for additional options including shorter jumper cables and country specific power cords:

http://h18000.www1.hp.com/products/quickspecs/11041_na/11041_na.html

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 8.6kVA 24A Three Phase NA/JP Core Intelligent Modular Power Distribution Unit AF522A

iPDU Extension Bars

HP 5xC13 Intelligent PDU Extension Bar G2 Kit AF547A

Additional Options

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_na/13650_na.html

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_na/14223_na.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_na/13731_na.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_na/11834_na.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_na/13475_na.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_na/13474_na.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.

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

Additional Options

NOTE: For more information, customer/resellers can contact:
<http://www.hp.com/services/carepack>

Technical Specifications

System Unit	Chassis Dimensions (H x W 6.96 x 17.638 x 35.236in (17.68 x 44.8 x 89.55cm) x D)	
	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 typical system power ratings use the HP Power Advisor which is available via the online tool located at URL: www.hp.com/go/proliant-energy-efficient
	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.

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