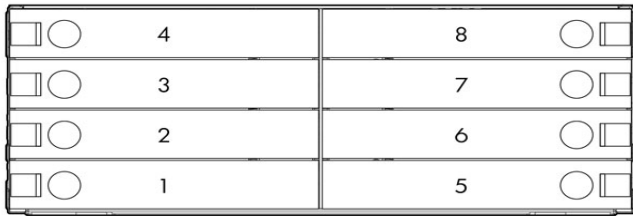


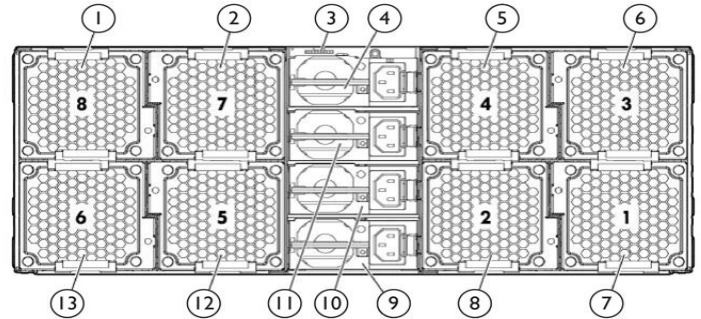
### Overview

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 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 lvb 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

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

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

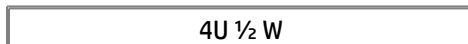
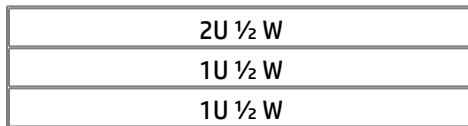
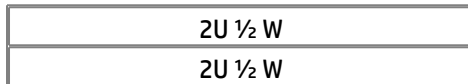
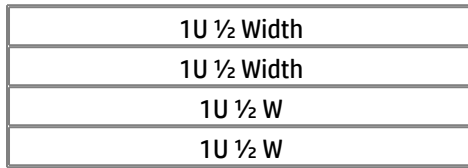
**NOTE:** A full width tray uses the entire width of the chassis

**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.



### 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)

<b>HP Chassis</b>	<p>HP ProLiant s6500 without Fans 4U Configure-to-order Chassis 614167-B21</p> <p><b>NOTE:</b> You must choose Power Supplies and fans as the chassis does not include them.</p>
<b>HP Chassis Fans</b>	<p>HP s6500 Non Redundant Fan Kit 617858-B21</p> <p><b>NOTE:</b> This kit includes only 1 fan</p> <p><b>NOTE:</b> This selection must be ordered in quantities of 8.</p> <p>HP s6500 Redundant Fan Kit 617856-B21</p> <p><b>NOTE:</b> This kit includes only 1 fan</p> <p><b>NOTE:</b> This selection must be ordered in quantities of 8.</p>
<b>HP Tray Blanks</b>	<p>HP s6500 Half Width Node Left Blank Kit 688928-B21</p> <p><b>NOTE:</b> Node blank is needed when not completely filling s6500 chassis and when servicing a node.</p> <p>HP s6500 Half Width Node Right Blank Kit 688930-B21</p> <p><b>NOTE:</b> Node blank is needed when not completely filling s6500 chassis and when servicing a node.</p>
<b>HP Power Supplies</b>	<p><b>NOTE:</b> 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.</p> <p><b>NOTE:</b> 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: <a href="http://www.hp.com/go/hppoweradvisor">www.hp.com/go/hppoweradvisor</a>.</p> <p><b>NOTE:</b> Choose correct power supply from list below depending on generation of server.</p> <p><b>HP Common Slot Platinum Plus Power Supply Kits</b></p> <p><b>NOTE:</b> These power supplies support Gen8 servers.</p> <p>HP 750W Common Slot Platinum Plus Hot Plug Power Supply Kit 656363-B21</p> <p>HP 1200W Common Slot Platinum Plus Hot Plug Power Supply Kit 656364-B21</p> <p>HP 1500W Common Slot Platinum Plus Hot Plug Power Supply Kit 684532-B21</p> <p><b>HP Common Slot Platinum Power Supplies</b></p> <p><b>NOTE:</b> This Power Supply supports G6 and G7 servers.</p> <p>HP 1200W Common Slot Platinum Hot Plug Power Supply Kit 578322-B21</p> <p><b>HP Common Slot Gold Power Supplies</b></p> <p><b>NOTE:</b> This Power Supply supports G6 and G7 servers.</p> <p>HP 750W Common Slot Gold Hot Plug Power Supply Kit 512327-B21</p> <p><b>HP Common Slot 277VAC Power Supplies</b></p> <p><b>NOTE:</b> 94% efficiency.</p> <p>HP 1200W Common Slot 277VAC Hot Plug Power Supply Kit 717359-B21</p> <p><b>NOTE:</b> The 1200W Common Slot 277VAC Hot Plug Power Supply Kit does not include a power cord.</p>



### Configuration Information - Factory Integrated Models

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](http://h18000.www1.hp.com/products/quickspecs/14209_div/14209_div.html)

### 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](http://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

**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](http://h18000.www1.hp.com/products/quickspecs/14209_div/14209_div.html)

### Additional Options

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

<b>HP SL Advanced Power Manager</b>	<p>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.</p> <p>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.</p>	
	HP SL Advanced Power Manager Kit	538084-B21
	HP SL Advanced Power Manager Distribution Module Kit	620002-B21
<hr/>		
<b>DC Power Cable Kits</b>	<p>HP 1.3M 48V DC Power Cable Kit</p> <p>HP 2.5M 48V DC Power Cable Kit</p> <p><b>NOTE:</b> These power cord options are for use with the HP 750W Common Slot -48VDC Hot Plug Power Supply Kit (636673-B21). A5S98A</p> <p>HP T-latch Double Ended WW 18AWG DC 2m Jumper Cord</p> <p><b>NOTE:</b> This power cord option is for use with the HP 1200W Common Slot 380VDC Hot Plug Power Supply Kit (684539-B21).</p>	<p>A5S97A</p> <p>A5S98A</p> <p>D4J67A</p>
<hr/>		
<b>HP Power Cords</b>	<p><b>NOTE:</b> HP ProLiant servers ships with an IEC-IEC power cord used for rack mounting with Power Distribution Units (PDUs).</p> <p>HP C13 - C14 WW 250V 10A Gray 0.7m Jumper Cord</p> <p>HP C13 - C14 WW 250V 10A Gray 1.37m Jumper Cord</p> <p>HP C13 - SEV-1011 CH 250V 10Amp 1.83m Power Cord</p> <p>HP C13 - DK-2.5A DK 250V 10Amp 1.83m Power Cord</p> <p>HP C13 - CEE-VII EU 250V 10Amp 1.83m Power Cord</p> <p>HP C13 - SI-32 IL 250V 10Amp 1.83m Power Cord</p> <p>HP C13 - NBR-14136 BR 250V 10Amp 1.83m Power Cord</p> <p>HP C13 - BS-1363A UK/HK/SG 250V 10Amp 1.83m Power Cord</p> <p>HP C13 - CEI-23-50 IT/CL 250V 10Amp 1.83m Power Cord</p> <p>HP C13 - C14 WW 250V 10Amp 2.0m Jumper Cord</p> <p>HP C13 - IS-1293 IN 250V 10Amp HV 2.5m Power Cord</p> <p>HP C13 - AS3112-3 AU 250V 10Amp 2.5m Power Cord</p> <p>HP C13 - SABS-164 ZA 250V 10Amp 2.5m Power Cord</p> <p>HP C13 - JIS C8303 JP 100V 12Amp 2.0m Power Cord</p> <p>HP C13 - C14 WW 250V 10A Gray 3.0m Jumper Cord</p>	<p>A0K03A</p> <p>A0K04A</p> <p>AF565A</p> <p>AF566A</p> <p>AF568A</p> <p>AF564A</p> <p>AF591A</p> <p>AF570A</p> <p>AF571A</p> <p>A0K02A</p> <p>SG579A</p> <p>AF569A</p> <p>AF567A</p> <p>AF572A</p> <p>A0K06A</p>

### Additional Options

HP C13 - Nema 6-15P US 250V 15A JP 3.6m Power Cord	AON33A
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	COL99A
HP 1/8 G2 LTO-6 Ult 6250 FC Autoloader	COH19A

### 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](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](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](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

### Additional Options

HP R/T3000 G2 2U L620 High Voltage NA/JP Uninterruptible Power System	AF467A
<b>NOTE:</b> Please see the QuickSpecs for additional information: <a href="http://h18000.www1.hp.com/products/quickspecs/14058_div/14058_div.html">http://h18000.www1.hp.com/products/quickspecs/14058_div/14058_div.html</a> (Worldwide)	
<b>R5000 Uninterruptible Power System (UPS)</b>	
HP R5KVA 3U IEC309-32A High Voltage INTL Uninterruptible Power System	AF461A
HP R5KVA 3U L630 High Voltage NA/JP Uninterruptible Power System	AF460A
<b>NOTE:</b> Please see the QuickSpecs for additional information: <a href="http://h18000.www1.hp.com/products/quickspecs/14109_div/14109_div.html">http://h18000.www1.hp.com/products/quickspecs/14109_div/14109_div.html</a> (Worldwide)	
<b>R7000 Uninterruptible Power System (UPS)</b>	
HP R7KVA 4U 50A High Voltage NA/JP Uninterruptible Power System	AF462A
HP R7KVA 4U IEC-32A High Voltage INTL Uninterruptible Power System	AF463A
<b>NOTE:</b> Please see the QuickSpecs for additional information: <a href="http://h18000.www1.hp.com/products/quickspecs/14110_div/14110_div.html">http://h18000.www1.hp.com/products/quickspecs/14110_div/14110_div.html</a> (Worldwide)	
<b>NOTE:</b> For additional information on sizing your HP UPS, please reference: <a href="http://www.upssizer.com">http://www.upssizer.com</a>	
<b>NOTE:</b> 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: <a href="http://www.hp.com/products/powercords">www.hp.com/products/powercords</a> .	
<b>NOTE:</b> For additional information on HP Uninterruptible Power Systems please go to: <a href="http://www.hp.com/servers/rackups">www.hp.com/servers/rackups</a> .	

### 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
HP 5.7kVA 208 Volt Three Phase 27 Outlet NA/JP Dual Voltage Basic Power Distribution Unit	H5M63A

### Additional Options

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
<b>HP Basic Power Distribution Unit: Full Height Version</b>	
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
<b>HP Basic Power Distribution Unit: 480/277 Volt Version</b>	
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
<b>NOTE:</b> Please see the QuickSpecs for Technical Specifications and additional information: <a href="http://h18000.www1.hp.com/products/quickspecs/14557_div/14557_div.html">http://h18000.www1.hp.com/products/quickspecs/14557_div/14557_div.html</a> (Worldwide)	
<b>NOTE:</b> Additional HP Power Distribution Units are available. For a complete list of all HP PDUs and additional information please visit: <a href="http://www.hp.com/go/rackandpower">www.hp.com/go/rackandpower</a> .	

### HP Remote Monitoring Power Distribution Units (mPDU)

<b>HP Remote Monitored Power Distribution Unit: 1U Version</b>	
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
<b>HP Remote Monitored Power Distribution Unit: Half Height Version</b>	
HP 3.6kVA 200-240 Volt 16 Outlet WW Monitored Power Distribution Unit	D9N45A
<b>HP Remote Monitored Power Distribution Unit: Mid Height Version</b>	
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
<b>HP Remote Monitored Power Distribution Unit: Full Height Version</b>	
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

### Additional Options

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
<b>HP Environmental Sensor for Remote Monitored PDUs</b>	
HP Environmental Sensor for Remote Monitored PDUs	E2D53A
<b>NOTE:</b> Please see the QuickSpecs for additional information: <a href="http://h18000.www1.hp.com/products/quickspecs/14669_div/14669_div.html">http://h18000.www1.hp.com/products/quickspecs/14669_div/14669_div.html</a> (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 5x13 Intelligent PDU Extension Bar G2 Kit	AF547A
HP 5x13 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](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](http://www.hp.com/go/rackandpower).

### HP Rail Kits

HP s6500 4U Chassis	598109-B21
---------------------	------------

### Additional Options

#### 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](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](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

### Additional Options

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

[http://h18000.www1.hp.com/products/quickspecs/11834\\_div/11834\\_div.html](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](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](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.

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

<b>System Unit</b>	<b>Chassis Dimensions</b> (H x W x D) 6.96 x 17.638 x 35.236in (17.68 x 44.8 x 89.55cm)									
	<b>Weight</b> (approximate)	Maximum (all hard drives, power supplies, and processors installed) 220lb (99.8kg)								
	<b>Input Requirements</b> (per power supply)	<table border="0"> <tr> <td>Rated Line Voltage</td> <td>90 to 140 VAC 180 to 264 VAC</td> </tr> <tr> <td>Rated Input Current</td> <td>7.31A at 115VAC 3.6A at 230VAC</td> </tr> <tr> <td>Rated Input Frequency</td> <td>47 to 63 Hz</td> </tr> <tr> <td>Rated Input Power</td> <td>855W (at 100 VAC), 840.72W (at 200 VAC)</td> </tr> </table>	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)
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)									
	<b>Power Specifications</b>	To review system power requirements, use the HP Power Advisor which is available via download or online at <a href="http://www.hp.com/go/hppoweradvisor">www.hp.com/go/hppoweradvisor</a>								
	<b>Power Supply Output</b> (per power supply)	Rated Steady-State Power 653.10W (at 100 VAC), 653.08W (at 200 VAC)								
	<b>System Inlet Temperature</b>	<table border="0"> <tr> <td>Operating</td> <td>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).</td> </tr> <tr> <td>Non-operating</td> <td>-22° to 140° F (-30° to 60° C) Maximum rate of change is 36°F/hr (20°C/hr).</td> </tr> </table>	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).				
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).									
	<b>Relative Humidity</b> (non-condensing)	<table border="0"> <tr> <td>Operating</td> <td>10% to 90% relative humidity (Rh), 82.4°F (28°C) maximum wet bulb temperature, non-condensing.</td> </tr> <tr> <td>Non-operating</td> <td>5% to 95% relative humidity (Rh), 101.7°F (38.7°C) maximum wet bulb temperature, non-condensing.</td> </tr> </table>	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.				
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.									
	<b>Altitude</b>	<table border="0"> <tr> <td>Operating</td> <td>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).</td> </tr> <tr> <td>Non-operating</td> <td>30,000 ft (9144 m). Maximum allowable altitude change rate is 1500 ft/min (457 m/min).</td> </tr> </table>	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).				
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).									
	<b>Acoustic Noise</b>	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).								
	<b>Idle</b>									

### Technical Specifications

	LWAd	6.4
	LpAm	45dBA
	<b>Operating</b>	
	LWAd	6.7
	LpAm	51dBA
<b>Emissions Classification</b> (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.

© Copyright 2013 Hewlett-Packard Development Company, L.P.

The information contained herein is subject to change without notice.

Microsoft and Windows NT are US registered trademarks of Microsoft Corporation. Intel, the Intel logo, Xeon and Xeon Inside are trademarks of Intel Corporation in the U.S. and other countries.

The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

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