

### Overview

### Description

#### HP Rack System/E Factory-Integrated Cabinets

When ordering factory integrated HP Rack System/E cabinets, the factory will install rackmount kits, filler panels, side panels, and cables automatically.

When placing your order, ensure that the cabinet is placed on the same section of the order as the SPUs.

#### Factory-Integrated Cabinets

Product Number	Description	EIA Units	Cabinet Width	Usable Width	Cabinet Depth	Cabinet Color	Base Frame Color
A4900A	Rack System/E25, 19-inch standard, EIA base cabinet (1.25-meter)	25	0.6 meters	19-inch standard	1.0 meters	Quartz Gray	Slate Gray
A4901A	Rack System/E33, 19-inch standard, EIA base cabinet (1.6-meter)	33	0.6 meters	19-inch standard	1.0 meters	Quartz Gray	Slate Gray
A4901D	Rack System/E33, 19-inch standard, EIA base cabinet (1.6-meter)	33	0.6 meters	19-inch standard	1.0 meters	Graphite	Metallic Graphite
A4902A	Rack System/E41, 19-inch standard, EIA base cabinet (1.96-meter)	41	0.6 meters	19-inch standard	1.0 meters	Quartz Gray	Slate Gray
A4902D	Rack System/E41, 19-inch standard, EIA base cabinet (1.96-meter)	41	0.6 meters	19-inch standard	1.0 meters	Graphite	Metallic Graphite

### To Order Factory-Integrated HP Rack System/E Cabinets

- Place order for a factory-integrated HP Server.
- HP Rack System/E 19 inch Cabinets:

To integrate the server into the cabinet order the appropriate rack installation product numbers:

- rx1600 Series: order AB276A for integration into HP Rack System/E cabinets.
- rp2400 Series: order A5811A for integration into HP Rack System/E cabinets.
- rx2600 Series: order A6939AZ for integration into HP Rack System/E cabinets.
- rp3400 Series: order AB241A for integration into HP Rack System/E cabinets..
- rp4440 Series: order A6977AZ for integration into HP Rack System/E cabinets.
- rx4640 Series: order A6977AZ for integration into HP Rack System/E cabinets.
- rp5400 Series: order A5581A for integration into HP Rack System/E cabinets on slider rails; order A5580A for integration into HP Rack system/E cabinets on static rails. **NOTE: Slider rails are the recommended solution.**
- rx5670: order A5581A for integration into HP Rack system/E cabinets on slider rails; order A5580A for integration into HP Rack system/E cabinets on static rails. **NOTE: Slider rails are the recommended solution.**
- rp7400: order A5170A for integration into HP Rack System/E cabinets. Must also order the appropriate Depth Extension Kit, see the **Rack Accessories table**.
- rx7620: order J1530C for integration into HP Rack System/E cabinets. Must also order 120 lb. Ballast Kit if the HP cabinet is not bolted to the floor, see the **Rack Accessories table**.
- rp8400 Series: order J1528B for integration into HP Rack System/E cabinets. Must also order 120 lb. Ballast Kit if the HP cabinet is not bolted to the floor, see the **Rack Accessories table**.
- rx8620: order J1528B for integration into HP Rack System/E cabinets. Must also order 120 lb. Ballast Kit if the HP cabinet is not bolted to the floor, see the **Rack Accessories table**.

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- SEU: order J1530C for integration into HP Rack System/E cabinets. Must also order 120 lb. Ballast Kit if the HP cabinet is not bolted to the floor, see the **Rack Accessories table**.
- Order 1.25-meter E25, 1.6-meter E33, or 1.96-meter E41 on same order section as server.
- Determine customer's integrated peripheral requirements and total EIA space needed.
- Order integration options for peripherals (rackmount kits are included).
- If default integration is not desired, cabinets can be custom integrated by using SISP (System Integration Specification Plan). For more information see URL: <http://www.sisp.hp.com>
- Customers planning to use tie together kits should order option AXW (delete side panels). Only one set of side panels is required for a string of racks tied together. Order an equal amount of AXW options and Tie together kits (see the **Rack Accessories table**).
- Order PDU A5137AZ or E7676A for power distribution. Each A5137AZ contains qty. 7 IEC320 C13 and quantity 1 IEC320 C19 outlets, and 1 IEC320 C20 inlet. Each E7676A contains qty 10 IEC320 C13 outlets and quantity 1 IEC320 inlet. PDUs can be strung together using an option A5N jumper cord. Specify the desired power cord option for each PDU.

### NOTES:

- HP Rack System/E cabinets can be ordered without integrated SPUs or peripherals (standalone). When ordered standalone, the factory will not install rackmount kits, filler panels, and cables.
- Standalone peripherals that are not available as cabinet options should be ordered separately with corresponding rackmount kits. See the Supported Components list in this section

### Standalone Field-Integrated HP Rack System/E Cabinets

The HP Rack System/E is available as a field-integrated cabinet in 3 sizes for the Quartz Gray color: 25U, 33U, and 41U. Additionally, the HP Rack System/E is available as a field-integrated cabinet in 2 sizes for the Graphite color: 33U and 41U. These are identical to the factory-integrated cabinets except no servers or peripherals are integrated. These cabinets, which include anti-tip feet, rear doors, and side panels, can be shipped and moved fully integrated.

Customers who order standalone cabinets will need to order rackmount kits for each component they plan to install in the cabinet unless otherwise indicated. They also need to order filler panels for the empty space remaining in the cabinet. See the **Factory - Integrated Cabinets table** to determine how much space (in EIA units) will be filled by servers and peripherals. The remaining empty space will require filler panels. Each filler panel covers one EIA unit of space (1.75 inches, 44.45 mm).

### Field Integrated Cabinets

Product Number	Description	EIA Units	Cabinet Width	Usable Width	Cabinet Depth	Cabinet Color	Base Frame Color
A4900A	Rack System/E25, 19-inch standard, EIA base cabinet (1.25-meter)	25	0.6 meters	19-inch standard	1.0 meters	Quartz Gray	Slate Gray
A4901A	Rack System/E33, 19-inch standard, EIA base cabinet (1.6-meter)	33	0.6 meters	19-inch standard	1.0 meters	Quartz Gray	Slate Gray
A4901D	Rack System/E33, 19-inch standard, EIA base cabinet (1.6-meter)	33	0.6 meters	19-inch standard	1.0 meters	Graphite	Metallic Graphite
A4902A	Rack System/E41, 19-inch standard, EIA base cabinet (1.96-meter)	41	0.6 meters	19-inch standard	1.0 meters	Quartz Gray	Slate Gray
A4902D	Rack System/E41, 19-inch standard, EIA base cabinet (1.96-meter)	41	0.6 meters	19-inch standard	1.0 meters	Graphite	Metallic Graphite

### Overview

#### To Order Standalone HP Rack System/E Cabinets

- Place order for HP Rack System/E25, HP Rack System/E33, or HP Rack System/E41 with the correct power and required rack accessories. Refer to the **Rack Accessories table** for more information.
  - Place order for HP Server and required peripherals. Order rackmount kits for each component requiring a kit that you intend to mount in the cabinet, including servers and peripherals.
  - Calculate the number of empty EIA units in cabinet and order equivalent filler panels from **Rack Accessories table**.
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### Features

#### 19-inch HP Rack System/E Cabinets

- Meets 19-inch industry-standard package.
- Divided into EIA (Electronic Industries Association) units of internal space (1 EIA unit = 1.75-inch or 44.5 mm).
- Anti-tip feet and large casters included for added safety and mobility in all racks.
- Ships and moves fully integrated, up to 1800 lbs.
- Quick access removable side panels
- Front to rear air flow provide optimum ventilation eliminates the need for a cooling fan
- Quartz Gray or Graphite color scheme
- Numbered columns for easy integration

### Configuration

#### Space Allocation

Rackmount cabinets and rack mounted servers and peripherals are measured in EIA units (1 EIA unit = 1.75 in. or 44.45 mm). The 1.25 meter HP Rack System/E cabinet provides 25 EIA units of usable rack space, the 1.6 meter HP Rack System/E cabinet provides 33 EIA units of rack space and the 1.96 meter HP Rack System/E cabinet provides 41 EIA units of rack space.

#### HP Rack System/E Cabinet Power Information

When ordering standalone HP Rack System/E cabinets, customers have options for 120V to 240V power distribution in North America and 230V in Europe. When ordering integrated cabinets for use in North America, customers may order the 120V power distribution option with the 1.25-meter cabinet only. The 200V-240V options can be ordered with all cabinets. The 240V option is highly recommended in the U.S. for the cabinet to prevent current overloads. This is based on the common 20-amp limit of most U.S. building codes. Equipment uses half the current at 240V that it would use at 120V, so a 240V PDU allows more equipment to be run off a single PDU and off a single wiring circuit in the customer's building. Two A5137AZ or E7676A PDUs can be strung together using an option A5N jumper cord. When using the jumper cord extra caution should be taken to ensure current loads remain under the specified ratings.

Auto-ranging equipment will automatically work at either 120V or 240V. Other equipment that is not auto-ranging must be ordered with the corresponding power options.

European cabinets all have 230V power distribution units. Customers in Asia Pacific and South America should order the power option that is appropriate for the power supply in their country.

**NOTE:** Each PDU string requires a dedicated 20-amp circuit.

#### HP Rack System/E Cabinet Power Details

Power distribution is not bundled within HP Rack System/E cabinets.

Product Number	Power Option	Cord Length	Power Distribution	Maximum Current	Phase	Plug Style	IEC-320 C13 Receptacles	IEC-320 C19 Receptacles	PDU Kit Accessory*
A5137AZ	AW3 AW4 AW5 A5N AWT AWU A5F A5G A5H AKJ AKM	4.5 meters 4.5 meters 4.5 meters 2 meters 4.5 meters 4.5 meters 4.5 meters 4.5 meters 4.5 meters 4.0 meters	100-120V 200-240V 200-240V Universal 240V 240V 240V 240V Universal	16A (each PDU string)	Single	5-20P L6-20P Unterminated C-20P CEE7/7 IEC309 L6-30P Unterminated C-20P Israel China	7	1	N/A
A5499AZ	001 002	3 meters 3 meters	240V 240V	30A 30A	Single	L6-30P IEC309	8	2	
E7676A	AW3 AW4 AW5 A5N AWT AWU A5F A5G A5H AKJ AKM	4.5 meters	200-240V	16A (each PDU string)	Single	5-20P L6-20P Unterminated C-20P CEE7/7 IEC309 L6-30P Unterminated C-20P Israel China	10	0	N/A

### Configuration

E7683A	North America	4.5 meters	200-240V	60 A	Single	IEC309	0	8	
E7684A	International	4.5 meters	200-240V	60 A	Single	IEC309	0	8	
J4366A	North America	4.5 meters	200-240V	80 A	Single	IEC309	0	8	

**NOTE:** To check that the servers and peripherals do not exceed the 16 amp capacity of the cabinets:

1. Sum the currents required by each system.
2. If sum is less than 16 amps, the configuration meets power requirements.

### Special Power Cords

The cords listed below can be used to connect a SPU or Peripheral to a PDU in an adjacent cabinet.

- A5567A-120/240 VAC Power Cord, C13-C20 plugs, 4.4 meters long.
- A5568A-120/240 VAC Power Cord, C13-C14 plugs, 4.4 meters long.

### Supported Components

**19-inch HP Rack System/E Cabinets:** Supports all HP rack mountable servers, peripherals, and storage devices. Combinations of supported products are limited only by space inside the cabinet.

When ordering integrated cabinets from the factory, you simply need to order the server, factory integration, peripherals, and cabinet options you require on the same order section. When ordering standalone cabinets, you need to order a rackmount kit for each component you intend to rack in the cabinet. Kits are orderable in the form of server and peripheral options/products listed in the "Required Mounting Hardware" column in the **Components Supported** table.

### HP Rack System/E Factory-Racking Guidelines

When an order specifies that the ordered components are to be installed in a HP Rack System/E cabinet, the factory uses the following guidelines to place the different components in the cabinet.

The factory partitions the HP Rack System/E cabinets into two sections, the upper half and the lower half. The factory considers the middle of the rack as zero (0). Below the relative positioning of the different devices are listed. Each device has a plus (+) or a minus (-) sign associated with it. If the sign is plus, the device will be positioned in the **highest** available location in the rack according to the relative racking order. If the sign is a minus, then the item will be positioned in the **lowest** available location in the cabinet according to the relative racking order.

For example, if a 2U server and a UPS were to be placed into a rack, then the SPU will be located in the top of the rack and the UPS would be positioned in the bottom of the rack. The middle would be filled with filler panels.

Understanding where devices will be located is important when specifying cables. These guidelines should be used to determine the appropriate length of cable. If the customer's specific application requires a different racking strategy, customized racking can be obtained by using SISIP (System Integration Specification Plan). The SISIP form is used by HP factories to capture and fulfill customer requirements. For more SISIP information see URL: <http://www.sisp.hp.com>. E-Mail and Web-based forms are available. Another option is to order the field rack options rather than having to rearrange the devices in the cabinets at the customer site.

### Relative Positions if SPU is ordered

If an SPU is included in the order section, the SPU is placed at the top of the cabinet and the rest of the components are loaded below. The following diagram shows the relative order.

### Configuration

SPUs	+
SE HP 9000 Enclosures with DDS	+
SE HP HA Enclosures with removable media (DDS, CD-ROM, 8 mm)	+
SE HP 9000 without DDS	+
SE HP HA Enclosures without removable media	+
FWD HP HA Enclosures	+
FWD HP 9000 Enclosures	+
DTCs	+
FWD SCSI Disk Arrays	+
HP-FL Disk Arrays	—
FWD HP HA Disk Arrays	—
HP-PB I/O Expansion Modules	—
UPS	—

### Relative Positions if no SPU is ordered

If no SPU is included in the order section, the placement of the devices changes slightly. The following diagram shows the relative order.

DTCs	+
FWD HP 9000 Enclosures	—
FWD HP HA Enclosures	—
SE HP 9000 Enclosures with DDS	—
SE HP HA Enclosures with removable media (DDS, CD-ROM 8 mm)	—
SE HP HA Enclosures without removable DDS	—
SE HP 9000 Enclosures without removal media	—
FWD SCSI Disk Arrays	—
HP-FL Disk Arrays	—
FWD HP HA Disk Arrays	—
HP-PB I/O Expansion Modules	—
UPS	—

**NOTE:** If a single-ended device is included in an enclosure, then the entire enclosure is considered single-ended.

Rack Mount kits for HP Rack System/E, HP 5000, HP 9000 Series, HP 10000 Series, Legacy HP, and Third party Cabinets

### Configuration

Product Model	EIA Units	Required Mounting Hardware	Current Consumption		Number of AC Plugs
			120 VAC	208-240 VAC	
<b>Business Servers</b>					
rx1600 Series	1	<ul style="list-style-type: none"> <li>AB276A for 19 inch HP Rack System/E factory integrated and field cabinets</li> </ul>	NA	NA	1
rp2400 Series	2	<ul style="list-style-type: none"> <li>A5811A for 19-inch HP Rack System/E factory-integrated cabinets</li> <li>A5810A field kit for 19-inch cabinets</li> </ul>	3.6 A	1.8 A	1
rx2600 Series	2	<ul style="list-style-type: none"> <li>A6939AZ for 19 inch HP Rack System/E factory integrated cabinets</li> <li>A6939A field kit 19 inch cabinets (quartz gray colored bezels included) OR A6939B field kit 19 inch cabinets (graphite colored bezels included)</li> </ul>	7.2 A	3.6 A	1
rp3400 Series	3	<ul style="list-style-type: none"> <li>AB241A for 19 inch HP Rack System/E factory integrated and field cabinets</li> </ul>	7.2 A	3.6 A	Up to 2
rp4440 Series	4	<ul style="list-style-type: none"> <li>A6977AZ for 19-inch HP Rack System/E factory integrated cabinets</li> <li>A6977A field kit 19-inch cabinets</li> </ul>	NA	NA	Up to 2
rx4640 Series	7	<ul style="list-style-type: none"> <li>A6977AZ for 19 inch HP Rack System/E factory integrated cabinets</li> <li>A6977A field kit 19 inch cabinets</li> </ul>	20 A	10 A	Up to 4
rp5400 Series	7	<ul style="list-style-type: none"> <li>A5581A slider rails for 19 inch HP Rack System/E factory integrated cabinets (occupies 1U of space)</li> <li>A5580A static rails for 19 inch HP Rack System/E factory integrated cabinets</li> <li>A5556A slider rails for 19 inch HP Rack System/E cabinets (occupies 1U of space)</li> <li>A5575A static rails for 19 inch HP Rack System/E cabinets</li> <li>A5562A for racking into A189xA cabinets</li> </ul>	9.2 A	4.6 A	Up to 3
rx5670 Series	7	<ul style="list-style-type: none"> <li>A5581A slider rails for 19 inch HP Rack System/E factory integrated cabinets (occupies 1U of space)</li> <li>A5580A static rails for 19 inch HP Rack System/E factory integrated cabinets</li> <li>A5556A slider rails for 19 inch HP Rack System/E cabinets (occupies 1U of space)</li> <li>A5575A static rails for 19 inch HP Rack System/E cabinets</li> <li>A5562A for racking into A189xA cabinets</li> </ul>	10 A	5 A	Up to 3

### Configuration

rp7400 Series	10	<ul style="list-style-type: none"> <li>J1530C for 19 inch HP Rack System/E factory integrated cabinets</li> <li>J1530C for 19 inch cabinets</li> <li>Must also order HP 120 lb Ballast Kit if the HP Rack System/E is not bolted to the floor (see <b>Rack Accessories table</b>)</li> </ul> <p><b>NOTE:</b> Not supported in HP 5000, 9000, and 10000 Series cabinets</p>	17 A	8.5 A	Up to 4
rx7620 Series	10	<ul style="list-style-type: none"> <li>J1530C for 19 inch HP Rack System/E factory integrated cabinets</li> <li>J1530C for 19 inch cabinets</li> <li>Must also order HP 120 lb Ballast Kit if the HP Rack System/E is not bolted to the floor (see <b>Rack Accessories table</b>)</li> </ul> <p><b>NOTE:</b> Not supported in HP 5000 Series cabinets</p>	20 A	10.15 A	Up to 4
rp8400 Series	17	<ul style="list-style-type: none"> <li>J1528B for 19 inch HP Rack System/E factory integrated cabinets</li> <li>J1528B for 19 inch cabinets (excluding cabinets with sectional columns)</li> <li>Must also order HP 120-lb. Ballast Kit if the HP Rack System/E is not bolted to the floor (see <b>Rack Accessories table</b>)</li> </ul> <p><b>NOTE:</b> Not supported in HP 5000 Series cabinets</p>	46 A	23 A	Up to 4
rx8620 Series	17	<ul style="list-style-type: none"> <li>J1528B for 19 inch HP Rack System/E factory integrated cabinets</li> <li>J1528B for 19 inch cabinets (excluding cabinets with sectional columns)</li> <li>Must also order HP 120 lb. Ballast Kit if the HP Rack System/E is not bolted to the floor (see <b>Rack Accessories table</b>)</li> </ul> <p><b>NOTE:</b> Not supported in HP 5000 Series cabinets</p>	39 A	19.5 A	Up to 4
Server Expansion Unit	9	<ul style="list-style-type: none"> <li>J1530C for 19 inch HP Rack System/E factory integrated cabinets</li> <li>J1530C for 19 inch cabinets</li> </ul> <p><b>NOTE:</b> Not supported in HP 5000 Series cabinets</p>			
cc2300	1	<ul style="list-style-type: none"> <li>Included with server</li> </ul>	1.5 A		1
cc3300	2	<ul style="list-style-type: none"> <li>Included with server</li> </ul>	1.8 A		Up to 2

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HP Surestore Disk Array FC60					
FC60	4/5 <sup>1</sup>	• Included	1.5A	0.8 A	2
Fibre Channel Infrastructure					
Fibre Channel SCSI Multiplexer	4	• Included	2.5 A	1.5 A	1
Fibre Channel Arbitrated Loop Short-wave Hub	1	• Opt. 001	1.2 A	0.6 A	1
Fibre Channel Arbitrated Loop Long-wave Hub	1	• Opt. 001	1.2 A	0.6 A	1
Rackmounting Hardware					
Generic Rail Kit for non-standard 19-inch peripherals	1	• Included	N/A	N/A	N/A

<sup>1</sup>The FC60 takes 4 U per enclosure and rail set in HP Rack System/E and 5 U per enclosure plus rail set in the A1883A/A1886A, A1884A/A1897A, A3656A.

## HP and Third-Party Rack Configuration for HP Servers

### Overview

HP 9000 and Integrity Servers are designed to maximize performance density when installed into HP Rack System/E Cabinets. HP Rack System/E Cabinets maintain the high level of safety and reliability of HP solutions that customers have come to expect. Although HP strongly recommends racking HP servers in HP System/E Cabinets, other racking needs can be met. Most HP servers can be racked in HP 5000, HP 9000, HP 10000, and Legacy HP racks. Additionally, HP has partnered with the many popular third party cabinet vendors to provide HP supported rack solutions.

Compatibility tables, plus safety and reliability guidelines for third-party racking solutions can be found in the following section.

### Configuration

#### HP and Third Party Cabinet Support for the HP rx1600 Series

The rx1600 Series Server can either be factory installed in HP Rack System/E cabinets using rack mount kit AB276A or customer installed in HP Rack System/E, HP 5000, HP 9000, HP 10000, or third party cabinets using rackmount kit AB276A. The racking hardware includes slider rails, enabling the server to easily slide out of a cabinet for servicing. The slider takes no additional vertical space, thereby preserving the server's 1U height. Furthermore, the slider rails have adjustable mounting hardware, enabling the server to mount in many non HP cabinets.

For customers using non-HP cabinets, the rx1600 Server provides simple options for installation and HP field support. The field rack kit (AB276A) contains an adjustable mounting bracket that fits onto the slider rails. This bracket telescopes to various lengths, allowing the server to be mounted in third-party cabinets that use the four-post EIA mounting system and have mounting depths of 22-36 inches.

If the rx1600 Series server is mounted in a non-HP cabinet, it must meet some simple criteria to ensure that HP field personnel can fully support the rack environment.

- **Anti-Tip** - The rack/cabinet must be solidly anchored to the floor both front and rear. This is usually accomplished by anti-tip feet or by direct bolting to the floor.
- **Air Flow** - The rx1600 Server use front to back airflow to cool the unit. Thus a cabinet cannot have a solid front or rear door. Solid doors may have to be removed or changed to an open perforation pattern.
- **Cable Strain Relief** - A proper method of strain relief must be used. This may force the elimination of the rear door in some cases.
- **Front and Rear Access** - For proper cooling and ease of service access, HP recommends 32 inches of unobstructed floor space in the front and rear of rack installations. This recommendation applies to both HP and third-party racks and cabinets.

#### HP and Third-Party Cabinet Support for the HP rp2400 Series Servers

The rp2400 Series Server can either be factory installed in HP Rack System/E cabinets using rack mount kit A5811A or customer installed in HP Rack System/E, HP 5000, HP 9000, HP 10000, or third party cabinets using rackmount kit A5810A. The racking hardware includes slider rails, enabling the server to easily slide out of a cabinet for servicing. The slider takes no additional vertical space, thereby preserving the server's 2U height. Furthermore, the slider rails have adjustable mounting hardware, enabling the server to mount in many non HP cabinets.

For customers using non-HP cabinets, the rp2400 Series provides simple options for installation and HP field support. The field rack kit (A5810A) contains an adjustable mounting bracket that fits onto the slider rails. This bracket telescopes to various lengths, allowing the server to be mounted in third-party cabinets that use the four-post EIA mounting system and have mounting depths of 28-31.25 inches.

If the rp2400 Series server is mounted in a non-HP cabinet, it must meet some simple criteria to ensure that HP field personnel can fully support the rack environment.

- **Anti-Tip** - The rack/cabinet must be solidly anchored to the floor both front and rear. This is usually accomplished by anti-tip feet or by direct bolting to the floor.
- **Air Flow** - The rp2400 Series servers uses front to back airflow to cool the unit. Thus a cabinet cannot have a solid front or rear door. Solid doors may have to be removed or changed to an open perforation pattern.
- **Cable Strain Relief** - A proper method of strain relief must be used. This may force the elimination of the rear door in some cases.
- **Front and Rear Access** - For proper cooling and ease of service access, HP recommends 32 inches of unobstructed floor space in the front and rear of rack installations. This recommendation applies to both HP and third-party racks and cabinets.

### Configuration

#### HP and Third-Party Cabinet Support for the rx2600 Server

The rx2600 Series Server can either be factory installed in HP Rack System/E Cabinets using rack mount kit A6939AZ or customer installed in HP Rack System/E, HP HP 5000, HP 9000, HP 10000 or third party cabinets using rackmount kit A6939A or A6939B. The racking hardware includes slider rails, enabling the server to easily slide out of a cabinet for servicing. The rails have adjustable mounting hardware, enabling the server to mount in many non HP cabinets.

For customers choosing to use non HP cabinets, the rx2600 Series Server provides simple options for installation and HP field support. The rx2600 Series Server field rack kit (A6939A with quartz gray bezels or A6939B with graphite bezels) contains adjustable slide rails, allowing the server to be mounted in cabinets that use the four post EIA mounting system.

If the server is mounted in a non-HP cabinet, it must meet some simple criteria to ensure that HP field personnel can fully support the rack environment.

- **Anti-Tip** - The rack/cabinet must be solidly anchored to the floor both front and rear. This is usually accomplished by anti-tip feet or by direct bolting to the floor.
- **Air Flow** - The rx2600 uses front to back airflow to cool the unit. Thus a cabinet cannot have a solid front or rear door. Solid doors may have to be removed or changed to an open perforation pattern.
- **Cable Strain Relief** - A proper method of strain relief must be used. This may force the elimination of the rear door in some cases.
- **Front and Rear Access** - For proper cooling and ease of service access, HP recommends 32 inches of unobstructed floor space in the front and rear of rack installations. This recommendation applies to both HP and third-party racks and cabinets.

If a rack is not required, the system can be mounted vertically in the stand alone pedestal mount (A6940A quartz gray or A6940B graphite).

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#### HP and Third Party Cabinet Support for the rp3400 Series Server

The rp3400 Series Server can either be factory installed in HP Rack System/E Cabinets using rack mount kit AB241A or customer installed in HP Rack System/E, HP 5000, HP 9000, HP 10000 or third party cabinets also using rackmount kit AB241A. The racking hardware includes slider rails, enabling the server to easily slide out of a cabinet for servicing. The rails have adjustable mounting hardware, enabling the server to mount in many non HP cabinets.

For customers choosing to use non HP cabinets, the rp3400 Series Server provides simple options for installation and HP field support. The rp3400 Series Server rack kit (AB241A) contains adjustable slide rails, allowing the server to be mounted in cabinets that use the four post EIA mounting system.

If the server is mounted in a non-HP cabinet, it must meet some simple criteria to ensure that HP field personnel can fully support the rack environment.

- **Anti-Tip** - The rack/cabinet must be solidly anchored to the floor both front and rear. This is usually accomplished by anti-tip feet or by direct bolting to the floor.
- **Air Flow** - The rp3400 Series uses front to back airflow to cool the unit. Thus a cabinet cannot have a solid front or rear door. Solid doors may have to be removed or changed to an open perforation pattern.
- **Cable Strain Relief** - A proper method of strain relief must be used. This may force the elimination of the rear door in some cases.
- **Front and Rear Access** - For proper cooling and ease of service access, HP recommends 32 inches of unobstructed floor space in the front and rear of rack installations. This recommendation applies to both HP and third-party racks and cabinets.

If a rack is not required, the system can be mounted vertically in the stand-alone pedestal mount (AB242A).

### Configuration

#### HP and Third Party Cabinet Support for the rp4440 Server

The rp4440 Series Server can either be factory installed in HP Rack System/E Cabinets using rack mount kit A6977AZ or customer installed in HP Rack System/E, HP 5000, HP 9000, HP 10000 or third party cabinets using rackmount kit A6977A. The racking hardware includes slider rails, enabling the server to easily slide out of a cabinet for servicing. The rails have adjustable mounting hardware, enabling the server to mount in many non HP cabinets.

For customers choosing to use non HP cabinets, the rp4440 Series Server provides simple options for installation and HP field support. The rp4440 Series Server field rack kit (A6977A) contains adjustable slide rails, allowing the server to be mounted in cabinets that use the four post EIA mounting system.

If the server is mounted in a non HP cabinet, it must meet some simple criteria to ensure that HP field personnel can fully support the rack environment.

- **Anti Tip** - The rack/cabinet must be solidly anchored to the floor both front and rear. This is usually accomplished by anti tip feet or by direct bolting to the floor.
- **Air Flow** - The rp4440 Series Server uses front to back airflow to cool the unit. Thus a cabinet cannot have a solid front or rear door. Solid doors may have to be removed or changed to an open perforation pattern.
- **Cable Strain Relief** - A proper method of strain relief must be used. This may force the elimination of the rear door in some cases.
- **Front and Rear Access** - For proper cooling and ease of service access, HP recommends 32 inches of unobstructed floor space in the front and rear of rack installations. This recommendation applies to both HP and third party racks and cabinets.

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#### HP and Third Party Cabinet Support for the rx4640 Series Server

The rx4640 Series Server can either be factory installed in HP Rack System/E Cabinets using rack mount kit A6977AZ or customer installed in HP Rack System/E, HP 5000, HP 9000, HP 10000 or third party cabinets using rackmount kit A6977A. The racking hardware includes slider rails, enabling the server to easily slide out of a cabinet for servicing. The rails have adjustable mounting hardware, enabling the server to mount in many non HP cabinets.

For customers choosing to use non HP cabinets, the rx4640 Series Server provides simple options for installation and HP field support. The rx4640 Series Server field rack kit (A6977A) contains adjustable slide rails, allowing the server to be mounted in cabinets that use the four post EIA mounting system.

If the server is mounted in a non HP cabinet, it must meet some simple criteria to ensure that HP field personnel can fully support the rack environment.

- **Anti Tip** - The rack/cabinet must be solidly anchored to the floor both front and rear. This is usually accomplished by anti tip feet or by direct bolting to the floor.
- **Air Flow** - The rx4640 Series Server uses front to back airflow to cool the unit. Thus a cabinet cannot have a solid front or rear door. Solid doors may have to be removed or changed to an open perforation pattern.
- **Cable Strain Relief** - A proper method of strain relief must be used. This may force the elimination of the rear door in some cases.
- **Front and Rear Access** - For proper cooling and ease of service access, HP recommends 32 inches of unobstructed floor space in the front and rear of rack installations. This recommendation applies to both HP and third party racks and cabinets.

### Configuration

#### HP and Third-Party Cabinet Support for the HP rp5400 Series Servers

The rp5400 Series Server can either be factory installed in HP Rack System/E Cabinets using rack mount kit A5581A or customer installed in HP Rack System/E cabinets using rack mount kit A5580A.

For customers using HP 5000, HP 9000, HP 10000, or non HP cabinets, the rp5400 Series Servers may require some accessories that are listed in **HP and Third Party Rack Ordering Guide for Vendor Products**. Depending on the manufacturer, these accessories may have to be purchased from the vendor directly. Additionally, some simple criteria must be met to ensure that HP field personnel can fully support the rack environment.

Additionally, there are two rail options, static or slider, available for racking the rp5400 Series Servers into an HP Rack System/E cabinet. The slider rail enables the rp5400 Series Servers to easily slide out of a cabinet for servicing. The slider occupies one additional EIA unit of rack space. The combination of an rp5400 Series Server and slider rail will consume eight EIA units of rack space. The slider also enables the Hot plug capability of the I/O slots and Hot swap of four fans in the side cavity. Slider rails are highly recommended for use with the rp5400 Series Server. Static rails do not consume EIA space within the cabinet, therefore leaving more EIA space for peripherals. However, using static rails prohibits hot plug of the I/O cards and hot swap of the I/O bay fans. Static rails should only be used when cabinet vertical space prohibits the use of slider rails.

- **Anti-Tip** - The rack/cabinet must be solidly anchored to the floor both front and rear. This is usually accomplished by anti-tip feet or by direct bolting to the floor.
- **Air Flow** - The rp5400 Series server uses front-to-back airflow to cool the unit. Thus a cabinet cannot have a solid front or rear door. Solid doors may have to be removed or changed to an open perforation pattern.
- **Cable Strain Relief** - A proper method of strain relief must be used. This may force the elimination of the rear door in some cases.
- **Front and Rear Access** - The rp5400 Series servers requires a minimum of 24 inches (61 cm) of free space in both the front and rear of the cabinet for proper ventilation. During product installation and servicing, a total of 32 inches (82 cm) of free space is needed at the front of the cabinet. The depth of HP Rack System/E cabinets is 39 inches (99 cm). Therefore, a minimum of 87 inches (221 cm) of total space is needed for each cabinet during normal operation. An additional 8 inches (21 cm) is needed during installation and servicing.

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#### HP and Third-Party Cabinet Support for the HP rx5670 Server

The rx5670 Series Server can either be factory installed in HP Rack System/E Cabinets using rack mount kit A5581A or customer installed in HP Rack System/E cabinets using rack mount kit A5580A.

For customers using HP 5000, HP 9000, HP 10000, or non HP cabinets, the rx5670 server may require some accessories that are listed in the **HP and Third Party Rack Ordering Guide for Vendor Products**. Depending on the manufacturer, these accessories may have to be purchased from the vendor directly. Additionally, some simple criteria must be met to ensure that HP field personnel can fully support the rack environment.

Additionally, there are two rail options, static or slider, available for racking the rp5400 Series Servers into an HP Rack System/E cabinet. The slider rail enables the rp5400 Series Servers to easily slide out of a cabinet for servicing. The slider occupies one additional EIA unit of rack space. The combination of an rp5400 Series Server and slider rail will consume eight EIA units of rack space. The slider also enables the Hot plug capability of the I/O slots and Hot swap of four fans in the side cavity. Slider rails are highly recommended for use with the rp5400 Series Server. Static rails do not consume EIA space within the cabinet, therefore leaving more EIA space for peripherals. However, using static rails prohibits hot plug of the I/O cards and hot swap of the I/O bay fans. Static rails should only be used when cabinet vertical space prohibits the use of slider rails.

Once the server is mounted in a non-HP cabinet, it must meet some simple criteria to ensure that HP field personnel can fully support the rack environment.

- **Anti-Tip** - The rack/cabinet must be solidly anchored to the floor both front and rear. This is usually accomplished by anti-tip feet or by direct bolting to the floor.
- **Air Flow** - The rx5670 server uses front to back airflow to cool the unit. Thus a cabinet cannot have a solid front or rear door. Solid doors may have to be removed or changed to an open perforation pattern.

### Configuration

- **Cable Strain Relief** - A proper method of strain relief must be used. This may force the elimination of the rear door in some cases.
- **Front and Rear Access** - The rx5670 server requires a minimum of 24 inches (61 cm) of free space in both the front and rear of the cabinet for proper ventilation. During product installation and servicing, a total of 32 inches (82 cm) of free space is needed at the front of the cabinet. The depth of HP Rack System/E cabinets is 39 inches (99 cm). Therefore, a minimum of 87 inches (221 cm) of total space is needed for each cabinet during normal operation. An additional 8 inches (21 cm) is needed during installation and servicing.

If a rack is not required, the system can be placed in the standalone/deskside mount (A5525A).

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### HP and Third Party Cabinet Support for the rp7400 Series Server and Server Expansion Unit (SEU)

The rp7400 Series Server and Server Expansion Unit (SEU) can either be factory installed in HP Rack System/E Cabinets using rack mount kit J1530C or customer installed in HP Rack System/E, HP 9000 Series, HP 10000 Series or third party cabinets also using rackmount kit J1530C. The HP 9000 Series cabinet will require a rear extension kit (120679 B21) or removal of the rear door. The racking hardware includes slider rails, enabling the server to easily slide out of a cabinet for servicing. The rails have adjustable mounting hardware, enabling the server to mount in many non HP cabinets. **NOTE: The rp7400 Series Server and SEU is not supported in the HP 5000 cabinets.**

Due to the weight of the rp7400 Series Server and Server Expansion Unit (SEU), the addition of a Ballast Kit is required to add stability to HP cabinets while the system is being serviced. In lieu of additional ballast, HP 9000 Series, HP cabinets can be bolted to the floor, or a minimum of 3 racks can be bayed/tied together.

If the server is mounted in a non HP cabinet, it must meet some simple criteria to ensure that HP field personnel can fully support the rack environment.

- **Anti-Tip**-Third party cabinets must be bolted to the floor, or a minimum of 3 racks can be bayed/tied together.
  - **Air Flow**-The rp7400 Series Server and Server Expansion Unit (SEU) use front to back airflow to cool the unit. Thus a cabinet cannot have a solid front or rear door. Solid doors may have to be removed or changed to an open perforation pattern.
  - **Cable Strain Relief**-A proper method of strain relief must be used. This may force the elimination of the rear door in some cases.
  - **Front and Rear Access**-For proper cooling and ease of service access, HP recommends 36 inches of unobstructed floor space in the front and rear of rack installations. This recommendation applies to both HP and third-party racks and cabinets.
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### HP and Third Party Cabinet Support for the rp8400 Series and rx8620 Servers

### Configuration

The rp8400 Series and rx8620 Series Servers can either be factory installed in HP Rack System/E Cabinets using rack mount kit J1528B or customer installed in HP Rack System/E, HP 9000 Series, HP 10000 Series or third party cabinets also using rack mount kit J1528B. **NOTE:** The rp8400 Series and rx8620 Series Servers should not be installed in cabinets with sectional columns (in contrast, the HP Rack System/E has 1-piece columns that are factory welded to the base). The racking hardware includes slider rails, enabling the server to easily slide out of a cabinet for servicing. The rails have adjustable mounting hardware, enabling the server to mount in many non HP cabinets. **NOTE:** The rp8400 and rx8620 Series Server is not supported in the HP 5000 cabinets.

Due to the weight of the rp8400 Series and rx8620 Series Servers, the addition of a Ballast Kit is required to add stability to HP cabinets while the system is being serviced. In lieu of additional ballast, HP 9000 Series, HP cabinets can be bolted to the floor, or a minimum of 3 racks can be bayed/tied together.

If the server is mounted in a non HP cabinet, it must meet some simple criteria to ensure that HP field personnel can fully support the rack environment.

- **Anti Tip** - Third party cabinets must be bolted to the floor, or a minimum of 3 racks can be bayed/tied together.
- **Columns** - Third party cabinets must have a 1-piece column design.
- **Air Flow** - The rp8400 Series and rx8620 servers use front to back airflow to cool the unit. Thus a cabinet cannot have a solid front or rear door. Solid doors may have to be removed or changed to an open perforation pattern.
- **Cable Strain Relief** - A proper method of strain relief must be used. This may force the elimination of the rear door in some cases.
- **Front and Rear Access** - For proper cooling and ease of service access, HP recommends 36 inches of unobstructed floor space in the front and rear of rack installations. This recommendation applies to both HP and third party racks and cabinets.

### HP and Third Party Rack Ordering Guide for Vendor Products

Rack	Server	Mounting Hardware <sup>1</sup>	Doors	Qualified Tip Stability Device	Order Contact
Chatsworth Standard Rack (2-Column)	rp2400 Series	<ul style="list-style-type: none"> <li>• HP part number J1480A</li> </ul>	N/A	<ul style="list-style-type: none"> <li>• Concrete Floor Anchors (40604-001) or Raised Floor Rack Support (10629-X19, 10630-X19, 10631-X19, 10632-X19)</li> <li>• Secure top with Cable Runway (10595), Universal Earthquake Bracket Kit (10562-001), or Adjustable Rack Bracing Kit (12407-X19)</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="http://www.chatsworth.com">www.chatsworth.com</a></li> <li>• Customer Service: 1-818-882-8595</li> </ul>
Chatsworth Standard Rack (2-Column)	rp5400 Series or rx5670	<ul style="list-style-type: none"> <li>• Series HP L-Class Server Rack-Mount Solution (56322)</li> </ul>	N/A	<ul style="list-style-type: none"> <li>• Concrete Floor Anchors (40604-001) or Raised Floor Rack Support (10629-X19, 10630-X19, 10631-X19, 10632-X19)</li> <li>• Secure top with Cable Runway (10595), Universal Earthquake Bracket Kit (10562-001), or Adjustable Rack Bracing Kit (12407-X19)</li> </ul>	<ul style="list-style-type: none"> <li>• <a href="http://www.chatsworth.com">www.chatsworth.com</a></li> <li>• Customer Service: 1-818-882-8595</li> </ul>

### Configuration

Chatsworth Standard Rack (2-Column)	rp5400 Series or rx5670	<ul style="list-style-type: none"> <li>Series HP L-Class Server Rack-Mount Sliding Solution (56321)</li> </ul>	N/A	<ul style="list-style-type: none"> <li>Concrete Floor Anchors (40604-001) or Raised Floor Rack Support (10629-X19, 10630-X19, 10631-X19, 10632-X19)</li> <li>Secure top with Cable Runway (10595), Universal Earthquake Bracket Kit (10562-001), or Adjustable Rack Bracing Kit (12407-X19)</li> </ul>	<ul style="list-style-type: none"> <li><a href="http://www.chatsworth.com">www.chatsworth.com</a></li> <li>Customer Service: 1-818-882-8595</li> </ul>
Chatsworth Megaframe Rack (Cabinet)	rp7400 or rp5400 Series or rx5670	<ul style="list-style-type: none"> <li>Series Full-Rack Mounting Rail, pair of (12468) or</li> <li>Series Half-Rack Mounting Rail, pair of (12464) Requires purchase of 2</li> </ul>	<ul style="list-style-type: none"> <li>Series Perforated Metal Door (14032)</li> </ul>	<ul style="list-style-type: none"> <li>Floor Clamp Kit (712441-001)</li> </ul>	<ul style="list-style-type: none"> <li><a href="http://www.chatsworth.com">www.chatsworth.com</a></li> <li>Customer Service: 1-818-882-8595</li> </ul>
Chatsworth Megaframe Rack (Cabinet)	rp7400		<ul style="list-style-type: none"> <li>Series Perforated Metal Door (14032)</li> </ul>	<ul style="list-style-type: none"> <li>Floor Clamp Kit (712441-001)</li> </ul>	<ul style="list-style-type: none"> <li><a href="http://www.chatsworth.com">www.chatsworth.com</a></li> <li>Customer Service: 1-818-882-8595</li> </ul>
APW/Wrightline Paramount Frame-40-inch deep (JF842440)	rp7400	<ul style="list-style-type: none"> <li>Rail Kit (JRK44190) and</li> <li>N-Class Adapter Bracket (JHP9N001)</li> </ul>	<ul style="list-style-type: none"> <li>Paramount Door Frame-84×24 in, left hinged (JDF8424L)</li> <li>Paramount Door Frame-84×24 in, right hinged (JDF8424R)</li> <li>Paramount Perforated Door Insert-for 84×24 in door frame (JDP84242)</li> <li>Paramount Perforated Top Panel-24-in W×40-in D (JTPP2440)</li> </ul>	<ul style="list-style-type: none"> <li>Floor Anchoring</li> </ul>	<ul style="list-style-type: none"> <li><a href="http://www.wrightline.com">www.wrightline.com</a></li> <li>Customer Service: 1-800-225-7348</li> </ul>

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APW/Wrightline Paramount Frame-40 inch deep (JF842440) or 34 inch deep (JF842434)	rp5400 Series or rx5670	<ul style="list-style-type: none"> <li>Rail Kit (JRK44190) and</li> <li>L Class Adapter Bracket (JHP9L001)</li> </ul>	<ul style="list-style-type: none"> <li>Paramount Door Frame-84×24 inches, left hinged (JDF8424L)</li> <li>Paramount Door Frame-84×24 inches, right hinged (JDF8424R)</li> <li>Paramount Perforated Door Insert-for 84×24 inch door frame (JDP84242)</li> <li>Paramount Perforated Top Panel-24-inch W×40-inch D (JTPP2440)</li> </ul>	<ul style="list-style-type: none"> <li>Floor Anchoring</li> </ul>	<a href="http://www.wrightline.com">http://www.wrightline.com</a> Customer Service: 1-800-225-7348
APW/Zero Vantage Rack-36-inch deep (T3781936)	rp5400 Series or rx5670	<ul style="list-style-type: none"> <li>L-Class Adapter Bracket (THP9L001)</li> </ul>	<ul style="list-style-type: none"> <li>19-inch Door-perforated, right (T3P7819R)</li> </ul>	<ul style="list-style-type: none"> <li>Floor Anchoring</li> </ul>	<a href="http://www.wrightline.com">http://www.wrightline.com</a> Customer Service: 1-800-225-7348
APW/Vero IMRAK NSR-42U 600×900 Open Frame (804-550-23F)	rp5400 Series or rx5670	<ul style="list-style-type: none"> <li>42U Hewlett Packard Panel Mount Kit (802-5637 64G)</li> </ul>	<ul style="list-style-type: none"> <li>42U 600 NSR Vented Steel Door Kit-both front and back (802-5636 48J)</li> </ul>	<ul style="list-style-type: none"> <li>Floor Anchoring</li> </ul>	<a href="http://www.vero-uk.com">http://www.vero-uk.com</a> Customer Service: 44-1703-266300
SMC LAN Storage Module-36-inch deep	rp7400	<ul style="list-style-type: none"> <li>N-Class Adapter</li> </ul>	<ul style="list-style-type: none"> <li>Ventilated Front and Rear Doors</li> </ul>	<ul style="list-style-type: none"> <li>Floor Anchoring</li> </ul>	<ul style="list-style-type: none"> <li>Sales</li> <li>1-800-SMC-PLUS (762-7587)</li> </ul>
SMC LAN Storage Module-34- or 36-inch deep	rp5400 Series or rx5670	<ul style="list-style-type: none"> <li>L-Class Adapter</li> </ul>	<ul style="list-style-type: none"> <li>Ventilated Front and Rear Doors</li> </ul>	<ul style="list-style-type: none"> <li>Floor Anchoring</li> </ul>	<ul style="list-style-type: none"> <li>Sales</li> <li>1-800-SMC-PLUS (762-7587)</li> </ul>
<ul style="list-style-type: none"> <li>HP 5000, HP 9000, HP 10000</li> <li>Most square holed racks</li> </ul>	rp7400	<ul style="list-style-type: none"> <li>No kit available</li> </ul>			

### Configuration

<ul style="list-style-type: none"><li>• HP 5000, HP 9000, HP 10000</li><li>• Most square holed racks</li></ul>	rp5400 Series or rx5600 Series	See interoperability link at <a href="http://iss.tsgon.line.hp.com/iss/workgroup/rackandpower/interoperability.asp">http://iss.tsgon.line.hp.com/iss/workgroup/rackandpower/interoperability.asp</a>	<ul style="list-style-type: none"><li>• Included</li></ul>	<ul style="list-style-type: none"><li>• Floor Anchoring</li></ul>	
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<sup>1</sup>In most cases the rack vertical mounting EIA rails will need to be adjusted.

<sup>2</sup>Static Rail solutions are DISCOURAGED for rp5400 Series due to lack of serviceability. This kit may be usable for non-sliding equipment.

### HP Rack System/E Accessories

#### Power Distribution Units (PDU)

For HP Rack System/E Cabinets:

- 19-inch Modular PDUs are available for two current ranges: 16-A and 30-A. Also, the switching capability has been separated out of the PDUs and if required, need to order additional SKUs. These 19-inch modular PDUs will not require any installation brackets but will require the PDU power cord to the power source-wall or UPS (not to be ordered with 30-A PDU).
- 16-A PDUs: Order A5137AZ or E7676A for factory racked HP Rack System/E cabinets. Order E7674A for field integrated cabinets.

#### Rack Accessories

Part Number	Description
<b>19-inch Modular PDUs (for Rack System/E41/E33/E25)</b>	
E7674A <sup>1</sup>	100-240V Universal PDU, 19-inch, 16A (7 IEC-320 C13, 1 IEC-320 C19 outlets) To add the switching function to the above 19-inch modular PDUs, additional SKUs need to be ordered:
<b>PDU Cord Sets (for series E767xA PDUs)</b>	
E7802A	4.5-meter cord, 5-20P plug
E7803A	4.5-meter cord, L6-20P plug
E7804A	4.5-meter cord, C20 plug
E7805A	4.5-meter cord, L6-30P plug
E7806A	4.5-meter cord, no plug
E7808A	4.5-meter power cord, IEC-309 plug (outside N. America use only)
E7809A	4.5-meter power cord, CEE7/7 plug (outside N. America use only)
E7810A	4.5-meter power cord, GB16C plug
E7811A	4.5-meter power cord, SI32 plug
<b>KVM (keyboard/video/mouse) switches <a href="http://www.hp.com/go/kvm">http://www.hp.com/go/kvm</a></b>	
336044-B21 <sup>2</sup>	8 port IP KVM Console Switch
336047-B21	USB Interface Adapter for 336044 B21 Console Switch
262588-B21	PS/2 Interface Adapter for 336044 B21 Console Switch
262587-B21	PS/2 Interface Adapter for 336044-B21
262589-B21	Console Switch (8 pack) Console Switch Expansion Model for 336044-B21
AF101A <sup>3</sup>	HP 16-Port Serial Console Server
AF102A <sup>3</sup>	HP 48-Port Serial Console Server
AF103A	Serial Adapter, RJ-45-DB9 DCE Female - 1 Pack for AF101A and AF102A Console Switches
AF105A	Serial Adapter, RJ-45-DB9 DTE Male - 1 Pack for AF101A and AF102A Console Switches
AF106A	Serial Adapter, RJ-45-DB-25 DCE Male - 1 Pack for AF101A and AF102A Console Switches
AF107A	Serial Adapter, RJ-45-DB25 DTE Male - 1 Pack for AF101A and AF102A Console Switches
AF108A	Serial Adapter, RJ-45-DB25 DCE Female - 1 Pack for AF101A and AF102A Console Switches
AF109A	Serial Adapter, RJ-45-DB25 DTE Female - 1 Pack for AF101A and AF102A Console Switches
AF110A	Serial Adapter, RJ-45-DB9 DCE Female - 8 Pack for AF101A and AF102A Console Switches
AF104A	Serial Adapter, RJ-45-Cisco - 1 Pack for AF101A and AF102A Console Switches
263474-B21	3 foot CAT5e Cable for 336044 B21/AF101/AF102A Console Switches (4 pack)
263474-B21	6 foot CAT5e Cable for 336044 B21/AF101/AF102A Console Switches (8 pack)
263474-B23	12 foot CAT5e Cable for 336044 B21/AF101/AF102A Console Switches (8 pack)
263474-B24	20 foot CAT5e Cable for 336044 B21/AF101/AF102A Console Switches (4 pack)
263474-B25	40 foot CAT5e Cable for 336044 B21/AF101/AF102A Console Switches (1 pack)

### HP Rack System/E Accessories

<b>Legacy console switch</b>	
J1474A/Z	8 port console switch (supported on server running MS Windows only) - Use until gone
J4362A	4 foot console switch cable - Use until gone
J4360A	8 foot console switch cable - Use until gone
J4361A	15 foot console switch cable - Use until gone
<b>Jumper Cords (to connect the mounted equipment to PDU within the cabinet)</b>	
A5567A	4.4-meter jumper cord, C13-C20 plug
A5568A	4.4-meter jumper cord, C13-C14 plug
E7804A	4.5-meter jumper cord, C20 plug
E7807A	0.8-meter jumper cord, C14-C15 plug
E7742A	250V / 10A 2.5-meter jumper cord, C13-C14 plug
E7743A	125V / 10A 2.5-meter jumper cord, C13, NEMA 5-15 plug
E7798A	2.5-meter jumper cord, C20 plug
<b>Tie-Together Kits (to create a multiple bay solution for large systems)</b>	
J1512D	HP Rack System/E41 Tie kit for Graphite cabinet
J1513D	HP Rack System/E33 Tie kit for Graphite cabinet
<b>Rack Depth Extension Kits</b>	
A5543A	HP Rack System/E41 Depth Extension kit for Quartz Gray cabinet
A5543D	HP Rack System/E41 Depth Extension kit for Graphite cabinet
A5542A	HP Rack System/E33 Depth Extension kit for Quartz Gray cabinet
A5542D	HP Rack System/E33 Depth Extension kit for Graphite cabinet
A5541A	HP Rack System/E25 Depth Extension kit for Quartz Gray cabinet
<b>Front Doors</b>	
J1509A	HP Rack System/E41 Front Door kit for Quartz Gray cabinet
J1509D	HP Rack System/E41 Front Door kit for Graphite cabinet
J1510A	HP Rack System/E33 Front Door kit for Quartz Gray cabinet
J1510D	HP Rack System/E33 Front Door kit for Graphite cabinet
J1511A	HP Rack System/E25 Front Door kit for Quartz Gray cabinet
<b>Other Rack Accessories</b>	
AB243A/Z	HP Rackmount Flat Panel Display/Keyboard/Mouse (VGA, PS/2 connections for mouse and keyboard) <b>NOTE: Not supported with HP 9000 servers</b>
A7782A	PS/2 to USB Y-adapter for use with AB243A/Z
J1471A	HP 8U Vertical Extension Kit For Quartz Gray cabinet (not available in Graphite color)
336044-B21 <sup>2</sup>	8-Port KVM Console Switch
336047-B21	USB Interface Adapter for 336044-B21 Console Switch
262588-B21	PS/2 Interface Adapter for 336044-B21 Console Switch
262587-B21	PS/2 Interface Adapter for 336044-B21 Console Switch (8-pack)
262589-B21	Console Switch Expansion Model for 336044-B21
263474-B21	3-foot CAT5e Cable for 336044-B21 Console Switch (4-pack)
263474-B21	6-foot CAT5e Cable for 336044-B21 Console Switch (8-pack)
263474-B23	12-foot CAT5e Cable for 336044-B21 Console Switch (8-pack)
263474-B24	20-foot CAT5e Cable for 336044-B21 Console Switch (4-pack)
263474-B25	40-foot CAT5e Cable for 336044-B21 Console Switch (1-pack)

### HP Rack System/E Accessories

J1474AZ <sup>3</sup>	8-port console switch with power and PDU jumper cords (supported on server running MS Windows only) - Use until gone
J4362A	4-foot console switch cable - Use until gone
J4360A	8-foot console switch cable - Use until gone
J4361A	15-foot console switch cable - Use until gone
J1521A	Lift Hooks for Rack System/E
J1526A	Universal shelf for Quartz Gray rack-sliding
J1526D	Universal shelf for Graphite rack-sliding
J1520A	Universal shelf for Quartz Gray rack-stationary
J1520D	Universal shelf for Graphite rack-stationary
J1518A	Keyboard rackmount kit for Quartz Gray rack, retractable
J1518D	Keyboard rackmount kit for Graphite rack, retractable
J1519B	Monitor rackmount kit for Quartz Gray rack, retractable
J1519D	Monitor rackmount kit for Graphite rack, retractable
J1514A	Filler Panels, Set of 6, for Quartz Gray rack
J4387A	Filler Panels, Set of 6, for Graphite rack
J1506A	HP Rack System/E41 Quartz Gray Side Panel Kit (1 kit per rack)
J1506D	HP Rack System/E41 Graphite Side Panel Kit (1 kit per rack)
J1507A	HP Rack System/E33 Quartz Gray Side Panel Kit (1 kit per rack)
J1507D	HP Rack System/E33 Graphite Side Panel Kit (1 kit per rack)
J1508A	HP Rack System/E25 Quartz Gray Side Panel Kit (1 kit per rack)
J1522A	Hardware (25 each, decorative Quartz Gray screws, mounting screws and nuts)
J1516A	Spacers, set of 4(2 right and 2 left) accommodating legacy kits to be rackmounted in the Rack System/E and /U.
A5540D	Anti-tip feet for Metallic Graphite frame
C2790A	30 lb. Anti-tip weight ballast kit
J1479D	120-lb. Anti-tip weight Ballast Kifor Metallic Graphite frame
E7714A	Keyboard/mouse kit (stationary)
5181-8787	IEC-320 male power cable adapter
C2788B	Generic rail kit for non-standard 19-inch peripherals

<sup>1</sup> Power cord must be ordered separately. Up to 6 PDUs can be mounted on rack columns. Additional PDUs can be mounted horizontally, taking up 1U space each. Mounting H/W included; no PDU installation kit required.

<sup>2</sup> For HP Japan customers, use with 221546-291 (TFT Japanese keyboard mouse) for Japanese version of WinEE.

<sup>3</sup> Currently being tested for HP-UX compatibility.

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