

Overview

Models

9142 (42U) Rack Cabinet - Pallet	120663-B21
9142 (42U) Rack Cabinet - Shock Pallet*	120663-B22
9142 (42U) Rack Cabinet - Crated	120663-B23
9136 (36U) Rack Cabinet - Pallet	120664-B21
9136 (36U) Rack Cabinet - Shock Pallet*	120664-B22
9136 (36U) Rack Cabinet - Crated	120664-B23
9122 (22U) Rack Cabinet - Pallet	120665-B21
9122 (22U) Rack Cabinet - Shock Pallet*	120665-B22
9122 (22U) Rack Cabinet - Crated	120665-B23
9842 (42U) Rack Cabinet - Pallet	222192-B21

*NOTE: It is mandatory to use a shock pallet in order to ship racks with equipment installed.

Product Description - 9142, 9136, 9122 models

HP sets the standard for performance and value in the enterprise with the Rack 9000 Series family of rack cabinets and rack options. This enterprise-class rack cabinet system combines next-generation structural integrity and ease of use capabilities to deliver industry-leading performance.

As the only 42U rack cabinet on the market that is under two meters high, the 9142 Rack Cabinet sets the standard by which all other rack cabinets will be measured. Ideal for rack mounting HP servers, workstations, networking and StorageWorks products by HP, all three rack cabinets that comprise the Rack 9000 Series ensure outstanding performance and seamless integration throughout the entire enterprise.

Product Description - 9842 model

The rack 9842 is a wider version of the 42U 9000 series rack in 800mm/31.3" wide. This added width allows customers almost 8 more inches of room outside of the internal mounting rails for cabling. The front and rear doors are interchangeable to provide a switching rack with the rails rear justified for cabling out the front or a server/storage rack that is front justified for cabling out the rear.

The rack ships standard with split rear doors which allows customers to have full access to rack mounted equipment without interfering with neighboring racks. Also, the right rear door has an access panel that can be removed so that bundles of cable may be routed out the back door of the rack. The 9842 is available to ship on a standard pallet only.

The Rack System

All rack-mountable products are designed to fit our industry-standard 19-inch wide racks. HP offers several racks to meet your system needs. Racks and rack-mountable components are typically described using "U" measurements. One "U" is 1.75 inches (44.45 mm) high.

This sturdy, industrial-strength rack series offers the following features:

- Models-Rack 9122 (22U), Rack 9136 (36U), Rack 9142 (42U) and Rack 9842 (42U)
- Universal-Accommodates all HP equipment (ProLiant, Alpha, StorageWorks, UPS, PDU) in addition to some third party equipment
- Design-Perforated front and back doors which allows for high air flow and cooling; solid side panels

NOTE: Side Panels ship standard on the 9122 model only. They are optional for the 9136, 9142 and 9842 models.

Key Features

- Unique frame, rail and door design
- Thermal integrity
- Security provisions
- Flexibility
- Custom expandability
- Powerful Warranty

Rack 9000 Series Key Benefits (Universal Rack)

The Rack 9000 Series offers protection, price and performance and quality. The following are a few of the many benefits that come standard:

- **Unique Frame and Rail Design** - enables fast assembly, easy mounting and outstanding structural integrity. Equipment installation effort is dramatically reduced because the vertical mounting system was specifically designed to minimize the time required to install Compaq products, and can be used with many other non-Compaq products as well.
- **Thermal Integrity** - Front to back natural convection cooling is greatly enhanced by the innovative multi-angled design of the front door. For additional heat removal, an optional roof mounted fan kit can be easily installed.
- **Security Provisions** - Front and rear doors are lockable, which provides the necessary level of security to prevent unauthorized entry.
- **Flexibility** - Outstanding cable management features make it easy to develop effective and easy to maintain configurations.

Regardless of how you look at it, the Rack 9000 Series of rack cabinets provides everything customers need in a rack cabinet. From simplified management, low total cost of ownership, investment protection, industry-standard support and industry-leading breakthroughs, the 9000 series has it all.

Low Total Cost of Ownership

- Exclusive product options and accessories that optimize rack space utilization
- TFT5010R - 2U Flat panel rackmount monitor
- Sidewall mounting kits for options such as power distribution units (PDU)
- Cost-saving Server Console Switches (KVM) with multiple mounting options
- TFT5600 RKM - 1U Integrated Keyboard and Monitor
- Console Management Controller (CMC) for remote and on-site monitoring of rack environment
- Highest levels of system management, performance, construction and compatibility

Investment Protection

- Investment security across all mainstream HP server and storage products
- Well designed and crafted options provide unlimited flexibility in growing or adapting the 9000 series of rack cabinets to specific requirements and custom needs.
- Advanced product integration and quality provides high system reliability.

Industry Standard Support

- All products are 19 inch RETMA standard and will support most third-party equipment.
- Extensive evaluation, and testing across all critical platforms

Innovative Breakthroughs

- The Rack 9000 is the only 42U rack cabinet on the market that is under two meters high! Now total configurations can be developed for a 42U rack and meet most door height requirements.
- Price per value of rack functions is better than what any other IT company can offer.
- HP is the only company to provide a very robust line of options and accessories that are designed to support HP products.

HP's reputation for providing the highest quality products throughout the entire enterprise is based on our strategic partnerships, extensive product research, product development and product testing processes.

Simplified Management

- Unique frame and rail design minimizes time necessary to install products in rack cabinet.
- Product selection
 - 42U @ 2.0 M
 - 36U @ 1.7 M
 - 22U @ 1.1 M
- All mainstream Compaq server and storage products are easily managed with our seamless enterprise integration process.

Industry-leading Breakthroughs

- Exclusive 42U in a two-meter rack cabinet height for easy door clearance
- Price per value of rack functions is the best in the industry.
- The only company to provide a very robust line of options and accessories that are designed to support HP products

Service and Support, HP Care Pack and Warranty Information

- Software Product Services**
- Stand-alone telephone support
 - Rights to new license version
 - Media and documentation updates

- Hardware Product Services**
- Installation services
 - On-site maintenance (includes warranty support)
 - Response time upgrades during the warranty period
 - Post-warranty coverage
 - RAID setup and performance consulting via statement of work

For additional hardware installation and maintenance information, please refer to the URLs listed below:

<http://www.compaq.com/services/carepaq/us/install/>

<http://www.compaq.com/services/carepaq/us/hardware/> .

NOTE: These Web sites are available in English only.

- Warranty Upgrade Options**
- Response - Upgrade on-site response from next business day to same day 4 hours
 - Coverage - Extend hours of coverage from 5 days x 9 hours to 7 days x 24 hours
 - Duration - Select duration of coverage for a period of 1, 3, or 5 years

NOTE: Certain restrictions and exclusions apply. Consult the Customer Support Center for details.

Care Pack Information Sample part numbers:

- FM-**XHW-36, 3 year, uplift to 5 x 9, Next Day Response
- FM-**4HR-36, 3 year, uplift to 5 x 9, 4-hour Response
- FM-**724-36, 3 year, uplift to 7 x 24, 4-hour Response

** represents a two-digit, product-specific code

- Care Pack is defined as an upgrade to the product warranty attribute, available for a specific duration and hours of coverage.
- Care Pack is not available for less than the product's warranty duration.
- Care Pack is available for sale anytime during the warranty period for most products, but the commencement date will be the same as the Warranty Start Date (delivery date to end user customer). Proof of purchase may be required.
- Care Pack services are prepaid.

For additional Care Pack (hardware & software) information, as well as orderable part numbers, please refer to the URL listed below:

<http://www.compaq.com/services/carepaq/index.html>.

NOTE: This Web site is available in English only.

Components

The following brick-level options/components do not have individual Care Pack Services. These items will be included in product Care Pack Services into which they are installed.

Disk Drives	Tape Drives	CD/DVD ROM	SCSI Hubs in SBBs	Adapters
Bus Converters	Backplane RAID Controllers	Power Supplies	Cabling	Fans

Custom Expandability

Baying/Coupling Kit	120669-B21
NOTE: Supports 24 in and 600 mm floor tile spacing. The baying kit is used to join two or more racks together in minutes to create a multi-bay configuration.	
42U Side Panel	120670-B21
NOTE: Side panels for 9142 and 9842 (42U) bare racks only.	
36U Side Panel	120671-B21
NOTE: Side panels for 9136 (36U) bare racks.	
Ballast Option Kit	120672-B21
NOTE: Ballast is designed to provide additional stability and support when used with the Stabilizer Kit. It is typically used when very heavy equipment is routinely installed, removed or accessed within the rack.	
600mm Stabilizer Kit (Opal)	120673-B21
800mm Stabilizer Kit (Opal)	234493-B21
NOTE: Supports the Rack 9842 only.	
NOTE: An anti-tip stabilizer provides stability and support when equipment is installed, removed or accessed within the rack.	
Rack Rail Adapter Kit (25-inch depth)	120675-B21
NOTE: Adapters for mounting equipment at the 25-inch depth level within the rack cabinet (traditional equipment depth is 29 inches for ProLiant and 25 inches for AlphaServer systems).	
Fan (110VAC) Roof Mount (Opal)	120677-B21
NOTE: Roof-mounted extractor fan kit enhances natural convection cooling by increasing the airflow in the rack.	
Fan (220VAC) Roof Mount (Opal)	120678-B21
NOTE: Roof-mounted extractor fan kit enhances natural convection cooling by increasing the airflow in the rack.	
9142 Extension Kit	120679-B21
NOTE: Door extension kit provides an additional 3.5 inches of space at the rear of the rack for cable management or to accommodate deeper equipment in the 9142 rack. The 9142 Extension kit CAN NOT be used on the Rack 9842.	
9136 Extension Kit	218216-B21
NOTE: Door extension kit provides an additional 3.5 inches of space at the rear of the rack for cable management or to accommodate deeper equipment in the 36U, 9000 series rack.	
Grounding Rack Option Kit	120682-B21 (9000 series only)
NOTE: The grounding kit makes it possible to completely integrate grounding in Compaq racks.	
	260457-B21 (9000 and 10000 series racks)
Cable Management "D" Rings Kit	168233-B21
NOTE: This product essentially reduces the electromagnetic emissions that may be given off by electronic components operating within the rack cabinet. The grounding kit ties all the conductive structural components the Rack together with conductive cables and is designed be attached to a ground bonding point on the cables and is designed to be attached to a ground bonding point on the Rack's AC Power Distribution Device.	
Short Rear Door	218217-B21 (9142)
NOTE: A short rear door can be purchased to allow for 7 inches of room at the bottom of the rack for routing cabling out of the rack while maintaining security. The 9142 short rear door CAN NOT be used on the rack 9842.	218218-B21 (9136)
Split Rear Door (Opal)	254045-B21 (9142)
NOTE: This option is offered on the 600mm wide, 42U 9000 series rack to allow full access to rack mounted equipment without blocking rack aisles. In addition, a removable panel allows for cable routing out of the bottom of the rack.	
Blanking Panels (Opal)	
Rack Blanking Panels (1U)	189453-B21
NOTE: Kit includes 10 panels in 1U.	
Rack Blanking Panels (2U)	189453-B22
NOTE: Kit includes 10 panels in 2U.	
Rack Blanking Panels (3U)	189453-B23
NOTE: Kit includes 10 panels in 3U.	
Rack Blanking Panels (4U)	189453-B24
NOTE: Kit includes 10 panels in 4U.	
Rack Blanking Panels (5U)	189453-B25
NOTE: Kit includes 10 panels in 5U.	
Rack Blanking Panel Kit (Multi)	169940-B21

Custom Expandability

NOTE: Kit includes four panels in 1U, 2U, 4U and 8U.

This is only a sampling of the many Rack options available. See the rack products Web site for more complete information at:

<http://www.compaq.com/products/storageworks/proliantstorage/racksandoptions.html>.

Contact your nearest Authorized Reseller or Service Provider for information about ordering HP parts.

In the United States, HP can make arrangements to have your rack system installed by qualified Guaranteed Service Providers. This installation service covers the entire hardware installation sequence, from unpacking the components to routing cabling and running a test of the system.

NOTE: Customers interested in AlphaServer ES/DS systems in the Rack 9000 Series, for factory-direct or on-site configuration, should consult the HP CustomSystems group.

QuickSpecs

Rack 9000 Series

Specifications

9142 Rack Physical Characteristics	Dimensions (H x D x W)	Total Cabinet Area	78.7 x 35.8 x 23.7 in/ 2,000 x 909 x 603 mm
		Shipping (with packaging materials)	86.22 x 48 x 32 in/ 2,190 x 1,219.2 x 812.8 mm
	Weight	Operating	253 lb/114.84 kg
		Shipping	325 lb/147.52 kg
	Color	Opal	

9136 Rack Physical Characteristics	Dimensions (H x D x W)	Total Cabinet Area	68.6 x 35.8 x 23.7 in/1,742 x 909 x 603 mm
		Shipping (with packaging materials)	75.25 x 48 x 32 in/1,911.35 x 1,219.2 x 812.8 mm
	Weight	Operating	165 lb/75 kg
		Shipping	234 lb/106 kg
	Color	Opal	

9122 Rack Physical Characteristics	Dimensions (H x D x W)	Total Cabinet Area	43 x 35.8 x 24 in/1,092 x 909 x 603 mm
		Shipping (with packaging materials)	52.25 x 48 x 32 in/1,327.15 x 1,219.2 x 812.8 mm
	Weight	Operating	176 lb/79.89 kg
		Shipping	225 lb/102.13 kg
	Color	Opal	

9122 Rack Physical Characteristics	Dimensions (H x D x W)	Total Cabinet Area	78.7 x 35.8 x 31.5 in/2,000 x 909 x 800 mm
		Shipping (with packaging materials)	86.22 x 48 x 38.8 in/2,190 x 1,219.2 x 985.52 mm
	Weight	Operating	374 lb/170 kg
		Shipping	440 lb/200 kg
	Color	Opal	

© Copyright 2003 Hewlett-Packard Development Company, L.P.

The information contained herein is subject to change without notice.

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.