The Compaq Intelligent Rack

Integrated. Flexible. Complete.

9000 Series Industrial Design Excellence

There are racks, and then there are Compaq racks

Quite simply, ours do more. The Compaq 9000 Series rack is recognized industry-wide for its structural integrity, system integration and ease of use. In fact, this series was awarded the 2001 iF award for Industrial Design Excellence – the most prestigious award given for industrial design in Europe. Just imagine what this leading-edge performer can do for your data center.

Integrated solutions for maximum density

Compaq understands how valuable data center floor space can be. The 9000 Series rack delivers maximum storage density through an architecture designed to save your valuable data center real estate. The rack is offered in three different heights, so you can customize your solution to fit your specific needs and space requirements.

The Compaq 9000 Series racks are part of a complete family of Compaq products – from servers to storage – all created to maximize data center density. Our new 1U Integrated Keyboard and Monitor (TFT5600RKM) offers all the functionality of larger units, with added features to improve manageability. The monitor uses a clamshell design to conserve interior rack space, while delivering a full 15-inch, high-resolution display. And, because the unit is so compact, you can easily mount a switch box behind it – all in only one U.

From this new 1U Integrated Keyboard and Monitor to 1U environmental monitoring devices, from rack-mount UPSs to zero-U PDUs, Compaq delivers intelligent solutions that optimize your rack space with ease.

One rack accommodates all your products

The Compaq 9000 Series rack features a common, integrated platform that supports all rack-mountable Compaq hardware, including ProLiant, Alpha, Himalaya servers and storage products, as well as networking products and rack-mountable workstations. With a variety of height and width options available, you can get everything you need from one common rack family – giving your data center a unified look and exceptional performance. With three convenient shipping options to deliver them just the way you want them.

Innovative features at an unprecedented value

With its advanced features and competitive price, the Compaq 9000 Series rack offers the best rack value in the industry. A unique frame-and-rail design enables your IT staff to assemble components faster than ever, improving productivity. And our shock pallet lets you configure and install rack equipment, then ship it fully loaded to its final destination, saving time and setup costs.* As a result, you get a high-value, lower-cost, best-of-breed rack solution that protects your enterprise computing investments and helps your data center work smarter.

Options for simplified customization

The 9000 Series rack offers a variety of options that deliver a new level of customization and manageability. Racks can be easily joined together for multi-bay configuration. They can be extended at the back to aid in cable management or support extended deep equipment. Optional side panels and short rear doors maintain appearance and enhance security. Ballast and Stabilizer Kits are available for added stability. And optional fans that mount on top of the rack frame provide additional cooling without reducing interior rack space.

*Not all Compaq equipment is qualified to ship in the 9000 Series rack.

Software for intelligent manageability

Compaq 9000 Series racks can be configured with Compaq equipment using Rack Builder Online, a Web-based tool that simplifies the configuration and maintenance of rack environments. No other rack configuration tool offers this combination of simplicity and functionality. An easy-to-use interface lets you easily drag and drop components to a work area, or move components between racks. And two operational modes make Rack Builder Online equally efficient for both first-time and experienced users. Rack Builder Online is available on the Web at www.compaq.com/rackbuilder.

The smart choice for intelligent data center management

It's the difference between buying a rack or finding a complete solution. Between adding a cabinet or discovering an intelligent way to manage your data center. The difference is Compaq. Rack solutions that maximize your floor space. Increase your efficiency. And make your life a little easier.

The choice is simple. The choice is smart. The Compaq Intelligent Rack. The right rack for the job. For more information on Compaq 9000 Series racks and options, visit our Web site at www.compaq.com/racks.

Compaq 9000 Series racks

Setting the standard for performance and value

Rack 9122

Shipping Options:		
Standard Flat Pallet	120665-B21
Stock Pallet	120665-B22
Crated	120665-B23

Industry-standard 19" rack with an enclosure for rack-mountable products with a height capacity of 22U. It comes standard with perforated front and rear doors, side panels and a stabilizer.

Rack 9136

Shipping Options:		
Standard Flat Pallet	120664-B21
Stock Pallet	120664-B22
Crated	120664-B23

Industry-standard 19" rack that provides an enclosure for rack-mountable products with a height capacity of 36U. It comes standard with perforated front and rear doors, with optional side panels available.

Rack 9142 Standard

Shipping Options:		
Standard Flat Pallet	120663-B21
Stock Pallet	120663-B22
Crated	120663-B23

A 19" rack with an enclosure for rack-mountable products with a height capacity of 42U. The 9142 is the only rack on the market that provides 42U of internal storage space in a 2-meter external cabinet, enabling fully configured racks to easily fit under most doors in the data center. It comes standard with perforated front and rear doors, with optional side panels available.

Rack 9842 800 x 900 Wide Profile

Shipping:		
Standard Flat Pallet	222191-B21

Measures 800mm/31.3" wide – giving you almost four inches of room for cabling on each side of the rack. Its unique split rear doors open from the center, so they're half as wide. This feature gives you more room between rows of racks, and enables you to easily open the doors to their full width – even in tight spaces. A removable access panel at the bottom of the right split door accommodates cabling from the bottom of the rack, for even more space savings. The 800 x 900 easily couples with the 42U (9142) rack, so you can customize a total rack solution and maintain the appearance of your data center.

The Compaq 9000 Series rack is available in 22U, 36U and both standard and wide-profile 42U configurations, and can be customized to fit your unique specifications.

Benefits at a glance

> A unique frame-and-rail design improves structural integrity and provides faster, easier equipment mounting – even for most non-Compaq products.

> Supports a vertical mounting platform for 0U configurations of switch boxes and power distribution units, maximizing your data center real estate.

> Provides mounting and integration for all rack-mountable products offered by Compaq, including ProLiant, Alpha, Himalaya servers and storage products, as well as select non-Compaq equipment.

> Enhanced front-to-back convection cooling protects against heat buildup.

> Optional roof-mounted fan kit extracts heat for additional cooling.

> Front and rear door locks prevent unauthorized access.

> All models meet EIA 19" industry standards for IT rack cabinets.

> Options enable quick, easy expansion and customized solutions.

> Shock-pallet full-configuration shipping saves time and setup costs.

> Available in standard-width 22U and 36U, and in both standard and wide-profile 42U heights.

> Offers the first 42U rack cabinet under 2 meters (78.1").

> Optional D rings, extension kits and short rear doors improve cable management.

> New rack environmental monitoring products support both on-site and remote rack environment monitoring.

Rack options

Designed for flexibility. The following options allow you to customize for your own data center needs.

Monitors and Keyboards

> *1U Integrated Keyboard and Monitor (TFT5600RKM)/221546-001*
This 15" high-resolution display monitor uses a clamshell design to conserve interior rack space.

> *2U Flat Panel Monitor (TFT5010R)/217248-001*
Space-saving 15" TFT flat panel monitor, mounted in a retractable 2U drawer, provides a brighter, sharper picture on a 15" screen within 2U of rack space and saving 7U or more in the rack. Its retractable design enables the user to access a full screen when needed, and a stem form factor when it's not.

> *Keyboard with Hot Keys and Trackball/ 158649-001*
Fits neatly inside the 1U Keyboard Drawer. Keyboard features a programmable wizard key used to program up to seven keystrokes for each of the nine hot keys.

> *1U Keyboard Drawer/338056-B21*
Space-saving 1U drawer holds, protects and conceals an Internal Keyboard with Integrated Trackball. Can easily mount a Compaq switch behind the drawer to save an additional 1U of rack space.

Thermal Management

> *Roof-Mounted Fan Kit/120677-B21 (110VAC) & 120678-B21 (220VAC)*
Designed for 100-120 VAC or 200-230 VAC applications, the roof-mounted extractor fan kit enhances natural convection cooling by increasing airflow within the rack.

> *Blanking Panels*
169940-B21 – One each 1U, 2U, 4U and 8U panels
189453-B21 – Quantity of 10 1U panels
189453-B22 – Quantity of 10 2U panels
189453-B23 – Quantity of 10 3U panels
189453-B24 – Quantity of 10 4U panels
189453-B25 – Quantity of 10 5U panels
Blanking panels are sheet metal plates that are used to cover open spaces in the rack to facilitate proper airflow.

Shelving and Mounting

> *Coupling Kit/120669-B21*
Joins two or more racks of the same height together in a multi-bay configuration.

> *25" Rack Rail Adapter Kit/ 120675-B21*
Designed primarily to adapt rack depth from 29" (typically used for Compaq ProLiant products) to the 25" needed for Compaq Alpha products.
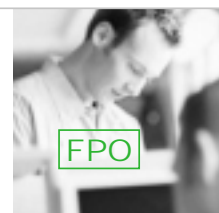
> *Sliding Shelf Kit/332564-B21*
Sliding, ventilated shelf enables some rack-mountable products to be mounted at any height within Compaq racks. Slide mounting enables you to pull the shelf in and out of the rack for easy access, maintenance and upgrading. Includes cable management arm and a handle, and has a maximum weight capacity of 100 lbs.

> *Depth Adjustable Fixed Rail Kit/332558-B21*
Contains two 19" to 31" depth adjustable rails that mount Compaq rack-mountable servers, storage boxes, UPSs and Compaq networking products in third-party racks. The Depth Adjustable Fixed Rail Kit also accommodates most third-party rack-mountable products. Maximum weight capacity: 300 lbs.

> *Monitor/Utility Shelf/303606-B21*
1U fixed shelf can be mounted at any height to place a monitor or another component within the rack. Maximum weight capacity of 150 lbs. and ships with bezels for both a 15" and 17" monitor.

> *Side Panels/120670-B21 (42U) & 120671-B21 (36U)*
Rack model 9122 is assembled and shipped with side panels included. For other rack models, optional side panel kits provide a finished look to the exposed ends of the rack. Two side panels are included in a kit.

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The Compaq 9000 Series maximizes data center density and improves manageability.

Rack options

Stabilization

> *Ballast Kit/120672-B21*
Provides additional rack stability and support when very heavy equipment is installed, removed or accessed within the rack. Kit includes two ballasts.

> *Stabilizer Kit/120673-B21*
Provides stability and support when equipment is installed, removed or accessed within the rack. Ideal for stand-alone rack configurations.

Security and Monitoring

> *Compaq Console Management Controller/203039-B21*
Sensors that connect to the 1U CMC continually monitor rack conditions such as temperature and intrusion. It alerts you to any emergency or change in the rack environment via pager, email or Windows prompt, logs all events and can be programmed to take corrective action.

> *CMC Sensor Option Kit/203039-B22 (available in Q3)*
Contains 1 temperature sensor, 1 vibration sensor, 1 humidity sensor and 2 intrusion alert sensors to add to your base CMC kit.

> *CMC Locking Sensor Option/203039-B23 (available in Q3)*
Enables authorized on-site personnel to remotely lock and unlock racks. Kit contains front and rear door hardware, and a motor with an uninterruptible power supply.

> *CMC Smoke Sensor Option/203039-B24 (available in Q3)*
Detects smoke within the rack.

> *Grounding Kit/120682-B21*
Reduces electromagnetic emissions that may be given off by components within the rack cabinet. It ties all the conductive structural components of the rack together with conductive cables, then attaches to a ground-bonding point on the rack's AC Power Distribution Device.

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Cable Management

> *Cable Management D Rings/168233-B21*
This kit contains 10 D rings that can be used in addition to the rings that are shipped standard on the 9000 Series rack for cable management.

> *Short Rear Door/218217-B21 (9142) and 218218-B21 (9136)*
These short rear doors can be used to replace the full-size doors that are shipped with the 9000 Series rack. These doors provide about seven inches of space at the bottom of the rack to allow large amounts of cabling to be routed out of the rack while still maintaining the security of a locking door.

> *Extension Kit/120679-B21 (9142) and 218216-B21 (9136)*
Attaches to the rear of 9000 Series racks and provides an additional 3.5" of space to the depth of the rack.

Server Console Switches (KVM) and Cables

> *KVM Switch Boxes*
120206-001 1x2 port
400336-001 1x4 port
400337-001 1x8 port
400338-001 2x8 port
400542-001 2x8 port 48 V DC
The 1U programmable scanning switch box is used to switch a single keyboard, monitor and mouse among up to four (4-port) or eight (8-port) ProLiant servers. Routes cables through back, and shows status information via on-screen display. Switch boxes can be tiered to support up to 16 (4-port) or 64 (8-port) servers from a single console.

> *KVM Extension Cables/169989-001*
Provide even greater flexibility in the location of a keyboard, monitor and mouse through 8-foot cable extensions.

> *CPU to Switch Box Cable*
110936-B24 – 3 foot
110936-B25 – 7 foot
110936-B21 – 12 foot
110936-B22 – 20 foot
110936-B23 – 40 foot
149363-B21 – 20 foot plenum
149364-B21 – 40 foot plenum

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