



# **HPE Racks for Server, Storage, and Networking**

Keep your infrastructure protected and organized



Server racks are the backbone of your data center. You need a solid enclosure that protects your investment today, and can grow as your requirements change. Choose HPE Racks for straightforward installation and durability that's tailor-made for your HPE servers—and today's data centers.

## Designed for today's data center. Ready for tomorrow.

Today, IT is looked upon as an enabler and driver of business outcomes. But that doesn't usually come with a commensurate increase in budget and floor space. Whether you're just looking into getting your first server rack, or researching advanced, high-density options for your enterprise data center, HPE Racks offer you an amazing range of features and options designed to satisfy your business needs and fit within your IT budget.

You can choose from a variety of models up to 48U, 800 mm wide, and 1,200 mm deep—and then add standard options to customize your rack for your exact IT requirements. From the 80% open perforation front door—to optimize airflow—to flexible power distribution units (PDUs) and installation options, HPE Racks are designed to accommodate HPE and third-party servers and equipment with minimal cabling, and still facilitate airflow and equipment access.

With the exponential increase in business critical and confidential data that traverses the internet and is stored on- and off-premises, security is foremost on everyone's mind. In many cases, stringent corporate, industry, and government regulations dictate the security provisions required of a data center. So it goes without saying that the more secure your rack and power infrastructure the more secure your server, storage, and networking.

How secure? How about multi-factor authentication with options like fingerprint biometric scanners, wireless card readers, and digital keypads before you ever even get into the rack.

Of course, HPE Racks are optimized to the size and dimensions of HPE servers to offer a complete data center solution from a name you trust. In fact your complete HPE solution—from racks and power infrastructure to servers and networking equipment—is designed to work together for easy installation and manageability.

### Your rack is covered along with your server

All HPE Racks are automatically covered when you purchase an HPE ProLiant service agreement for your HPE ProLiant server, reducing both the total cost of ownership and risk of system downtime.

### HPE Server Options

Choose from a wide range of HPE Server Options—from rack and power infrastructure to hard drives, memory, processors, and beyond. Together they give you:

- **Better performance**—Designed and tested to provide leading performance
- **Improved reliability**—Providing tolerance against vibration, thermal, and electrical stresses with pre-failure notification so components can be replaced before failure occurs
- **Tailored for HPE ProLiant, HPE Integrity, and HPE Storage products**—Included firmware is specifically designed and tested to maximize performance, reliability, and compatibility with HPE firmware and operating system stacks



## Choosing the right rack

### Which HPE Rack is ideal for your business needs?

Now that you have invested in a converged infrastructure built on HPE servers, you have your choice of rack solutions built to enhance your investment with advanced data center serviceability and reliability. As HPE Server Options, these racks represent great value, along with the peace of mind you get from using equipment that has been designed and tested with HPE Server, Storage, and Networking products.

How do you choose the right rack for your business? Use the following guidelines to get started, then visit [Infrastructure Architect](#). A smart app we've developed to help you find the best rack and power solutions for your needs. Call your authorized Hewlett Packard Enterprise sales representative for further assistance and guidance.

### HPE G2 Advanced Series Racks

At the end of the day, it's the job of a rack to keep your servers organized, protected, and working for you. So, shouldn't racks be purpose-built for durability, with security and ease of management provisions in mind? We think so, too. Versatile HPE G2 Advanced Series Racks are configured in a range of sizes and with flexible features to fit right into your modern data center. They include the latest innovations to streamline installation and maintenance with a focus on simplicity. And as HPE Server Options solutions, these versatile racks have been designed and tested to work optimally with HPE servers, storage, and networking products.



### HPE G2 Advanced Series Rack

A flexible data center rack that grows with you

#### Stronger

The stronger the rack, the longer it lasts. We're so sure of it, we'll guarantee it for 10 years.

- Limited 10-year warranty.\* Peace of mind? Check
- Heavy-gauge mounting rails support up to 3000 lb (static load) and 2250 lb (dynamic load), keeping a fully loaded rack safe in the truck and in the data center
- Fully-tested ship load allows racks to be shipped fully configured, reducing time to deployment

#### Smarter

Our racks have evolved to stay a step ahead of would-be threats to your servers.

- Front and rear doors support a variety of electronic and biometric locking solutions for improved physical security
- Flush-mounted side panels allow racks to be securely bayed together
- Single-key access to front, rear and sides provides a solution for all rack access points that's as convenient as it is secure

#### Simpler

Making the right decision is simple—our racks take the complexity out of infrastructure, keeping your servers working hard and you working easy.

- Industry's widest range of rack enclosures supports a broad variety of workloads and configurations
- Improved cable management provisions simplify installation, organization, and maintenance
- Fully kitted racks that include side panels and baying
- HPE Server Racks inherit the servers service plan protection which means more value and protection
- Foundation Care coverage means more value and more protection

#### Suitable for any premises

- Designed for use with all HPE servers, storage, and networking equipment
- 48, 42, 36, 22, and height
- 1,075 mm standard depth, 1,200 mm option for 42U rack
- 600 mm standard depth, 800 mm option for 42U and 48U rack
- Support for up to 2,250 lb/1,020 kg dynamic (configured) load; 3,000 lb static load
- Standard and shock pallet options
- Network-specific rack available

See the [HPE G2 Advanced Series Rack QuickSpecs](#) for more detailed technical specifications.

\* HPE G2 Advanced Racks are covered by a global 10-year warranty and supported by HPE Services and a worldwide network of HPE Authorized Channel Partners resellers. Hardware replacement and repair is available for 10 years from date of purchase. Normal HPE warranty exclusions apply.

Additional information regarding worldwide limited warranty and technical support is available at: [h17007.www1.hp.com/us/en/enterprise/servers/warranty/index.aspx](http://h17007.www1.hp.com/us/en/enterprise/servers/warranty/index.aspx)



**HPE G2 Enterprise Series Rack**  
The right choice for high-density  
IT configurations

### **HPE G2 Enterprise Series Racks**

HPE G2 Enterprise Series Racks are the right choice for high-density data center configurations. These enterprise-class racks are designed to meet the current and future requirements of demanding data centers. They offer innovative capabilities for asset management, unparalleled structural integrity, cooling, power, and cable management advances, while supporting a wide choice of IT power and management options. When your high-density data center needs a reliable and flexible rack, this is it.

#### **Full strength**

We can ship your HPE G2 Enterprise Series Rack loaded with up to 3,000 pounds of server, storage, and networking products, so it's ready for immediate installation. The fully welded frame and multi-caster support protects your equipment in transit and allows you to utilize more space within the rack.

#### **Designed for performance**

The 80% open perforation front doors provide maximum airflow while the front and rear door handles with integrated industry-standard locks offer enhanced security. The optional side panels install in three parts for easy manageability and mounting. And everything plugs in neatly with the integrated cable management channels and brackets.

#### **Ideal for high-density configurations**

HPE G2 Enterprise Series Racks are made for high-density configurations with 800 mm deep, 1,200 mm wide, and shock pallet options to accommodate heavy, dense infrastructure configurations. Flush mount side panels allow for specialized airflow and allow you to bay racks with panels installed. Choose innovative Hewlett Packard Enterprise options to physically secure your IT equipment and monitor rack conditions. And, custom rack accessories help you configure your rack perfectly.

#### **Making the right choice**

If you require configuration flexibility, high compute density, manageability, and serviceability in your enterprise data center, then choose HPE G2 Enterprise Series Racks. Choose from a wide range of standard configuration and customization options to optimize your data center today and be ready for what's next. It is the ideal choice for:

- Enterprise data centers with demanding requirements for density, availability, manageability, and serviceability

#### **Optimized for the data center**

- 42U and 48U height
- 1,075 mm and 1,200 mm depth available
- 600 mm and 800 mm widths available
- Standard and shock pallet options
- Network-specific rack available

See the [\*\*HPE G2 Enterprise Series Racks QuickSpecs\*\*](#) for more detailed technical specifications.

## Series comparison chart



Enterprise



Advanced

	Enterprise	Advanced
<b>Height</b>	42U, 48U	22U, 36U, 42U, 48U
<b>Depth</b>	1,075 mm or 1,200 mm	1,075 mm or 1,200 mm
<b>Width</b>	600 mm or 800 mm	600 mm or 800 mm
<b>Color</b>	Black, Silver Keystones	Black
<b>Static load</b>	Up to 3,000 lb	Up to 3,000 lb
<b>Dynamic load</b>	Up to 2,500 lb	Up to 2,500 lb
<b>Shipping load</b>	Up to 3,000 lb using shock pallet option	Up to 2,250 lb using shock pallet option
<b>Open door perforation</b>	80% open	80% open
<b>Castors</b>	Four castors, two fixed and two swivel	Four castors, two fixed and two swivel
<b>Locks on doors</b>	Industry-standard locks upgradeable to third-party biometric and other locks	Industry-standard locks upgradeable to third-party biometric and other locks
<b>Side panels and baying</b>	Available as an option	Included
<b>PDU mounting options</b>	Horizontal, zero-U, vertical	Horizontal, zero-U, vertical
<b>Cable management</b>	Integrated cabling channels, Bracket and accessories included	Integrated cabling channels, Brackets included with 800 mm models
<b>Special features</b>	Network rack option available	Network rack option available
<b>Ideal for</b>	Data center	Server closest to data center

## Recommended HPE Rack options

Hewlett Packard Enterprise offers a full line of accessories and options that can be added to HPE Racks allowing you to customize each rack to fit your IT requirements. To build a complete rack and power infrastructure for your IT environment, HPE also offers a full line of options that include PDUs, UPSs, and keyboard, video, mouse (KVM) consoles and switches. For more complete information, see the HPE Rack and Power Infrastructure website at: [hpe.com/info/rackandpower](http://hpe.com/info/rackandpower).

### HPE Rack Baying Kits

The HPE Baying Rack Option Kit enables you to connect multiple racks together.

Option	Part	Enterprise	Advanced
HPE G2 Rack Baying Kit	P9L12A	X	X

### Airflow Optimization

The Airflow Optimization kit seals air gaps inside the rack, in between bayed racks, and the clearance from the floor to the rack to prevent hot and cold air from mixing, thus optimizing the temperature at which the chilled air enters the racked servers.

Option	Part	Enterprise	Advanced
HPE Airflow Optimization Kit	BW930A	X	X

### Sidewall Panel Kits

The lightweight, locking side panels come in two sections for better handling.

Option	Part	Enterprise	Advanced
HPE G2 Rack 42U 1075 mm Side Panel Kit	P9L15A	X	X
HPE G2 Rack 42U 1200 mm Side Panel Kit	P9L16A	X	X
HPE G2 Rack 48U 1075 mm Side Panel Kit	P9L17A	X	X
HPE G2 Rack 48U 1200 mm Side Panel Kit	P9L18A	X	X

### Rack Stabilization Kits

Anti-tip stabilizer kits provide stability and support when equipment is installed, removed, or accessed within the rack. Heavy Duty Stabilizer Kits should be used when a single racked component exceeds 200 lb.

Option	Part	Enterprise	Advanced
HPE 600 mm Rack Stabilizer Kit	BW932A	X	X
HPE 600 mm Heavy Duty v2 Stabilizer Kit	BW961A		X
HPE 800 mm Rack Stabilizer Kit	BW933A	X	X

**HPE Rack Ballast Kit**

The Ballast Option Kit 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.

Option	Part	Enterprise	Advanced
HPE Rack Ballast Kit	120672-B21	X	X

**Rack Tie Down Kits**

The Tie Down Kit is used to secure the rack to the data center floor for seismic anchoring.

Option	Part	Enterprise	Advanced
HPE 800 mm Rack Tie Down Kit	BW927A	X	X
HPE 600 mm Rack Tie Down Kit	AF076A	X	X

**Universal 1U Filler Panels**

The use of blanking panels is recommended to ensure proper airflow. The blanking panels are made from high-grade molded plastic, and are designed to be installed without tools.

Option	Part	Enterprise	Advanced
HPE 1U 10-pack Black Universal Filler Panel	BW928A	X	X
HPE 1U 100-pack Black Universal Filler Panel	BW929A	X	X

**Rack shelves**

Hewlett Packard Enterprise fixed and sliding shelves can be mounted at any height to place a monitor or another component within the rack.

Option	Part	Enterprise	Advanced
HPE Rack 1U Monitor Utility Shelf	253449-B21	X	X
HPE 100 kg Sliding Shelf	234672-B21	X	X

**Adjustable rails**

Rails allow HPE servers, storage, UPSs, and other products to be mounted in HPE or third-party racks.

Option	Part	Enterprise	Advanced
Depth-adjustable Fixed Rail Kit	332558-B21	X	X



**Rack Light Kit**

The Rack Light Kit is mounted under the roof of the rack and is used to illuminate the rear section of the rack. The light is turned on and off with the opening and closing of the rear doors.

Option	Part	Enterprise	Advanced
HPE Rack LED Light Kit	BW939A	X	X

**Locking drawer**

This product mounts on HPE G2 Advanced and Enterprise Series racks with sliding rails and is used to store optical discs, instruction manuals, tools, and any other items frequently used in the rack. Drawer includes lock.

Option	Part	Enterprise	Advanced
HPE 2U Universal Locking Drawer	361591-B21	X	X

**Cable management kits**

Reliable, serviceable, and safe cabling options for assembling rack installations.

Option	Part	Enterprise	Advanced
HPE Quarter Turn Hook and Loop 10 Pack Kit	BW963A	X	X
HPE Quarter Turn Hook and Loop 100 Pack Kit	BW964A	X	X
Cable management D-rings	168233-B21	X	X
HPE Rack Cable Management Velcro Clips	379820-B21	X	X
HPE Rack Cable Management Kit	AF099A	X	X

**Rack top cable trays**

Option	Part	Enterprise	Advanced
HPE 600 Wide Rack Top Cable Tray (Graphite)	383982-B21	X	X
HPE 800 Wide Rack Top Cable Tray (Graphite)	383983-B21	X	X
HPE Rack Top Cable Management Transfer Tray	383984-B21	X	X

**Rack Fan Kit**

The Rack Fan Kit mounted extractor fan kit enhances natural convection cooling by increasing airflow in the rack. The Rack Roof Mount Fan Kit is not compatible with 14U racks.

Option	Part	Enterprise	Advanced
HPE Rack Roof Mount Fan (110 V) Kit	257413-B21	X	X
HPE Rack Roof Mount Fan (220 V) Kit	257414-B21	X	X

**Grounding Kit**

Properly grounded racks help maintain system performance, protect network equipment, and maximize uptime.

Option	Part	Enterprise	Advanced
HPE G2 Rack Grounding Kit	P9L11A	X	X

**Hardware Kit**

The HPE Rack Hardware Kit includes (24) M6 cage nuts, (24) M6x16 T25 screws, (10) 5 mm thread clip nuts, (10) 6 mm thread clip nuts, cage nut tool, and (5) quarter-turn hook and loop straps.

Option	Part	Enterprise	Advanced
HPE Rack Hardware Kit	H6J85A	X	X

**Rack Branding Kit**

Blank that allows you to customize the rack with rack location information, branding, or other description information.

Option	Part	Enterprise	Advanced
HPE Custom Rack Door Branding Kit	BW935A	X	X

**Choose HPE server and power management options**

Now that you've invested in a modern data center with HPE servers and racks at its heart, you have a range of HPE server management and power management with which to complete your infrastructure solution and enhance your data center performance and reliability.

**Secure long-term IT success with a solid server management foundation****HPE KVM Switches**

Take advantage of a simple solution to access and manage servers in your data center. Flexible mounting options and innovative management features save space and allow upgrade and installation from the switch.

**HPE KVM Console Kits**

Manage your converged HPE infrastructure right from the data center floor. HPE KVM Console Kits provide ultra-dense, high-performance KVM consoles that combine both the rack display panel and keyboard with touch pad in a 1U form factor.

**Get power plus control with HPE power management solutions****HPE power distribution units**

Hewlett Packard Enterprise provides power and control with flexible and accurate power distribution solutions that support both local and remote power management.

**HPE uninterruptible power supplies**

Prevent loss of data and ensure business continuity with cost-effective power protection for your small office or state-of-the-art data center.

## Resources

[HPE Power Advisor](#)

[HPE Options Compatibility Tool](#)

[Infrastructure Architect](#)

[Can HPE Racks Survive Destructive](#)

[Testing?](#)

[HPE Server Rack Family Video](#)

[Modernize your IT Infrastructure for  
the new style of business with the](#)

[HPE Rack options](#)

HPE Factory Express provides customization and deployment services along with your storage and server purchases. You can customize hardware to your exact specifications in the factory—helping speed deployment. [hpe.com/info/factoryexpress](http://hpe.com/info/factoryexpress)

## We've got you covered

HPE Racks carry a standard limited ten-year warranty. To streamline installation and enhance ongoing support of your rack solution, Hewlett Packard Enterprise recommends the following service offerings:

**Installation and startup services**—HPE Services offers complete installation support—including global rollout capabilities—to get your rack solution up and running rapidly, with minimal business disruption.

**Hardware support**—Now you can cover all the options installed in your rack with a single convenient service package. HPE Care Pack services for rack-mounted servers and storage systems installed in HPE Rack enclosures provide support for all HPE-branded hardware options qualified for inclusion in your server or storage devices at the time of purchase or after purchase. HPE-qualified rack options installed within the same rack are covered at the same service level and for the same period as the server. Coverage of UPS batteries is not included. HPE Care Pack Services increase uptime and productivity with rapid-response support solutions.

## An intelligent data center infrastructure

Data centers, large and small, are founded on infrastructure. It powers and protects the servers, storage, and networking that make your business tick. Hewlett Packard Enterprise is the industry leader in end-to-end data center solutions that drive businesses forward, from the SMB to the Enterprise. Rack and Power Infrastructure is where the story begins.

Learn more at  
[hpe.com/info/rackandpower](http://hpe.com/info/rackandpower)

## Family data sheet



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