Hewlett Packard Enterprise

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 81 percent open perforation front door—to optimize airflow—to flexible power distribution units (PDUs) and installation options, HPE racks are designed to accommodate Hewlett Packard Enterprise and third-party servers and equipment with minimal cabling, and still facilitate airflow and equipment access.

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 Standard Series Racks

If quality and cost-savings are critical in your IT infrastructure choices, look no further than HPE Standard Series Racks. Standard Series Racks give you both great value and the peace of mind you get from using equipment designed and tested to work in harmony with HPE servers, storage, and networking products.

A solid choice

HPE Standard Series Racks feature industry-standard 19 inch internal width, and can literally hold a ton—that's 2,000 pounds of static load. At 42U, it has enough space for approximately 20 servers, networking, and storage options, an uninterruptible power supply (UPS), and a back-up battery with ample room for power and cable management. It is the ideal choice for:

• New and relatively low-density server rooms

• Startups and emerging markets, where stretching infrastructure budgets is essential

Perfect for small scale on-site IT:

• 42U height

• 1,075 mm depth

• 600 mm width

• Supports up to 2,000 lbs/908 kg static load

• Fully compatible with all HPE rack mounting products

See the **HPE Standard Series Racks QuickSpecs** for more detailed technical specifications.

HPE Standard Series Racks
Protect your equipment—and your budget

HPE 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 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.

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 datacenter

- 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
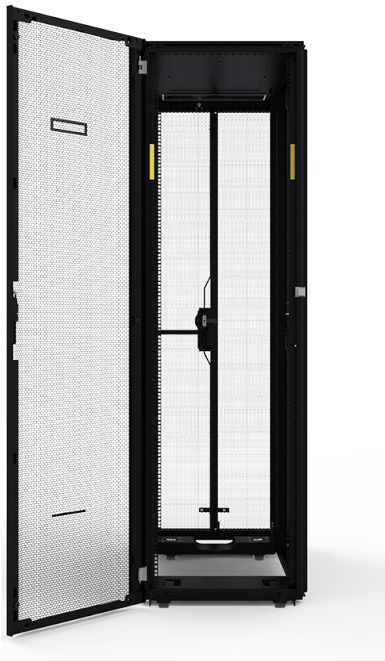
Simpler

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

- 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 14U height

- 1,075 mm standard depth, 1,200 mm option for 42U rack

- 600 mm standard depth, 800 mm option for 42U rack

- Support for up to 2,250 lbs/1,020 kg dynamic (configured) load; 3,000 lbs static load

- Standard and shock pallet options

- Network-specific rack available

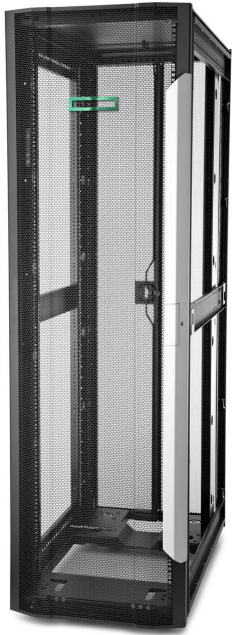See the **HPE Advanced Series Rack QuickSpecs** for more detailed technical specifications.

HPE Advanced Series Rack
A flexible data center rack that grows with you

* HPE 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 ten years from date of purchase. Normal HPE warranty exclusions apply.

Additional information regarding worldwide limited warranty and technical support is available at: **h17007.www1.hpe.com/us/en/enterprise/ servers/warranty/index.aspx**, **h17007.www1. hpe.com/us/en/enterprise/servers/warranty/ index.aspx#.V-10xE3rvbq**

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

HPE Enterprise Series Racks

HPE 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 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-castor support protects your equipment in transit and allows you to utilize more space within the rack.

Designed for performance

The 81 percent open perforation front doors provide maximum airflow while the front and rear door handles with integrated lock bars offer enhanced security. The side panels assemble in three parts for easy manageability and mounting. And everything plugs in neatly with the integrated cable management bracket.

Ideal for high-density configurations

HPE 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. Choose innovative Hewlett Packard Enterprise options to send rack identification numbers and U locations to the servers. 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 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
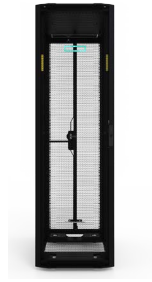
Optimized for the data center

• 36U, 42U, and 47U height

• 1,075 mm and 1,200 mm depth available on 42U and 47U

• 600 mm and 800 mm widths available on 42U

• Standard and shock pallet options

• Network-specific rack available

See the **HPE Enterprise Series Racks QuickSpecs** for more detailed technical specifications.

Series comparison chart

	Enterprise	Advanced	Standard
Height	36U, 42U, 47U	14U, 22U, 36U, 42U, 48U	42U
Depth	1,075 mm or 1,200 mm	1,075 mm or 1,200 mm	1,075 mm
Width	600 mm or 800 mm	600 mm or 800 mm	600 mm
Color	Black, Grey	Black	Black
Static load	Up to 3,000 lbs	Up to 3,000 lbs	Up to 2,000 lbs
Dynamic load	Up to 2,500 lbs	Up to 2,500 lbs	N/A
Shipping load	Up to 3,000 lbs using shock pallet option	Up to 2,250 lbs using shock pallet option	N/A
Open door perforation	81% open	Up to 81% open	< 81% open
Castors	Six castors	Four castors	N/A
Locks on doors	Yes	Yes	Yes
Side panels and baying	Available as an option	Included in some models	Side panels included
PDU mounting options	Horizontal, zero-U, vertical	Horizontal, zero-U, vertical	Horizontal, zero-U, vertical with optional brackets
Cable management	Bracket and accessories included	Brackets included with 800 mm models	Accessories included
Server asset management capable	Yes, Location Discovery Services	Yes, Location Discovery Services	N/A
Special features	Network or air duct rack options available	Network rack option available	N/A
Ideal for	Data center	Server closest to data center	Server closest, first IT rack

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**.

HPE Location Discovery Kits
HPE Location Discovery Services is the first solution that merges the physical rack with IT equipment to provide automated location awareness of installed servers. HPE Intelligent Series Racks with the Location Discovery option installed provide detailed location information to HPE ProLiant servers and to the HPE BladeSystem c7000 Platinum Enclosure to track new installations and equipment moves.

Option	Part	Enterprise	Advanced	Standard
HPE 48U Location Discovery Kit	F9V74A		X	
HPE 47U Location Discovery Kit	BW947A	X		
HPE 42U Location Discovery Kit	BW946A	X	X	
HPE 36U Location Discovery Kit	BW945A	X	X	
HPE 22U Location Discovery Kit	BW944A		X	
HPE 14U Location Discovery Kit	BW943A		X	
HPE Location Discovery Contact Cover Kit	BW942A	X	X	

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

Option	Part	Enterprise	Advanced	Standard
HPE G2 Rack Baying Kit	P9L12A		X	
HPE Rack Baying Kit (for connecting HPE racks of the same U height and depth)	BW902A	X	X	
HPE 1,075–1,200 mm Offset Baying Kit (for connecting 42U 1,075 mm racks to 42U 1,200 mm racks)	BW941A	X	X	
HPE 1M 1,075 mm Offset Baying Kit (for connecting 42U 1,075 mm racks to 42U 1,000 mm depth racks)	BW952A	X	X	
HPE 42U Standard Series Rack Baying Kit	AF048A			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	Standard
HPE Airflow Optimization Kit	BW930A	X	X	

Sidewall Panel Kits

The lightweight, locking side panels come in three sections for better handling.
Note: HPE 14U and 22U Advanced Series Racks include side panels.

Option	Part	Enterprise	Advanced	Standard
HPE G2 Rack 42U 1075 mm Side Panel Kit	P9L15A		X	
HPE G2 Rack 42U 1200 mm Side Panel Kit	P9L16A		X	
HPE G2 Rack 48U 1075 mm Side Panel Kit	P9L17A		X	
HPE 42U Side Panel Kit for Standard Racks	AF047A			X
HPE 42U 1,075 mm Side Panel Kit for Advanced and Enterprise Racks	BW906A	X	X	
HPE 42U 1,200 mm Side Panel Kit for Advanced and Enterprise Racks	BW909A	X	X	
HPE 48U 1,075 mm Side Panel Kit for Advanced Racks	H6J91A		X	
HPE 36U 1,075 mm Side Panel Kit for Advanced Racks	BW898A	X	X	
HPE 42U 1,200 mm Grey Side Panel Kit for Enterprise Racks	TK764A	X		
HPE 47U 1,075 mm Side Panel Kit for Enterprise Racks	BW915A	X		
HPE 47U 1,200 mm Side Panel Kit for Enterprise Racks	BW916A	X		
HPE 36U 1,200 mm Side Panel Kit for Enterprise Racks	BW901A	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 lbs.

Option	Part	Enterprise	Advanced	Standard
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 42U Standard Series Rack Stabilizer Kit	AF049A			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	Standard
HPE Rack Ballast Kit	120672-B21	X	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	Standard
HPE 600 mm Rack Tie Down Kit for Enterprise Racks	BW926A	X		
HPE 800 mm Rack Tie Down Kit for Enterprise Racks	BW927A	X		
HPE 600 mm Rack Tie Down Kit for Advanced Racks	AF076A		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	Standard
HPE 1U 10-pack Black Universal Filler Panel	BW928A	X	X	X
HPE 1U 100-pack Black Universal Filler Panel	BW929A	X	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	Standard
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 Hewlett Packard Enterprise or third-party racks.

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

Locking drawer

This product mounts on HPE 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	Standard
HPE 2U Universal Locking Drawer	361591-B21	X	X	X

Cable management kits

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

Option	Part	Enterprise	Advanced	Standard
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	X
HPE Rack Cable Management Velcro Clips	379820-B21	X	X	X
HPE Rack Cable Management Kit	AF099A	X	X	X

Rack top cable trays

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

Rack fan kits

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	Standard
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	Standard
HPE G2 Rack Grounding Kit	P9L11A		X	
HPE Rack Grounding Kit	BW891A	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	Standard
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	Standard
HPE Custom Rack Door Branding Kit	BW935A	X	X	

Enterprise series door

Doors are included in all HPE Advanced Series racks. Enterprise Series Rack doors are made available for customers who wish to replace the Advanced Series door for uniformity of appearance in the data center.

Option	Part	Enterprise	Advanced	Standard
HPE 42U Front Door Kit	BW934A		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 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**

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.

HPE Power Discovery Services
By combining HPE Intelligent Power Distribution Unit (iPDU), HPE Platinum power supplies, and HPE Insight Control software, HPE Power Discovery Services automatically track new server installations and provide higher precision, control, and automation to your power distribution.

We've got you covered

HPE racks carry a standard three-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 datacenter infrastructure

Datacenters, large and small, are founded on infrastructure. It powers and protects the servers, storage, and networking that make your business tick. HPE is the industry leader in end-to-end datacenter 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

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