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HPE G2 Enterprise Series Racks QuickSpecs

HPE G2 Enterprise Series Racks are designed for high-density IT configurations deployed in a diverse set of environments – from the data closet to the data center.

Following EIA-310 specifications for 19-inch racks, G2 Enterprise Racks are designed specifically to support a wide range of HPE IT equipment (servers, storage, and networking), as well as the entire portfolio of HPE Rack and Power Infrastructure solutions (PDU, UPS, and KVM).

Overview

All HPE G2 Enterprise Series Racks are supported with a 10-year limited warranty that provides either repair or complete replacement of the rack. Offering this industry-leading warranty requires a highly reliable and durable design that includes features such as a fully-welded, roll-form rack design, heavy-gauge rails, and heavy-duty casters that can support a static load of up to 3,000 lbs. Additionally, select shock pallet models include packaging specifically designed to support the shipment of pre-configured racks with up to 3,000 lbs. of IT equipment.

The G2 Enterprise Series Rack portfolio includes a wide range of rack models covering a variety of heights, widths, and depths. All HPE G2 rack models are supported with a large portfolio of accessories that help customize each rack to operate optimally in the user's IT environment. Rack accessories include options to support airflow management, cable management, and added rack stability.



Overview

HPE G2 Enterprise Series Rack Models

Review the following details to better understand the different rack models that are offered in the HPE G2 Enterprise Series rack portfolio.

Pallet Rack

Standard pallet and packaging for racks that will be configured on-site.

Shock Pallet

Pallet and packaging designed to support racks that will be shipped directly to the data center fully configured

- Can support up to 3,000 lbs. of IT equipment during shipment.
- Packaging includes integrated ramp to simplify rack deployment.
- Must be selected when requesting HPE Factory Express Services.

Network Racks

Designed to support dense Networking equipment configurations, or the integration of Networking, Server, and Storage equipment into a single industry standard 19″ rack.

- Front and rear vertical EIA rails are moved back 75mm to facilitate front to rear cabling.
- Include additional bristle covered cable access slots in the front and top of the rack to prevent the mixing of hot and cold air and to allow pass-through for large cable connectors and bundles.

HPE Racks SKUs

600mm Wide G2 Enterprise Series Rack Models

HPE 42U 600mmx1075mm G2 Enterprise Pallet Rack	P9K37A
HPE 42U 600mmx1075mm G2 Enterprise Shock Rack	P9K38A
HPE 42U 600mmx1200mm G2 Enterprise Pallet Rack	P9K39A
HPE 42U 600mmx1200mm G2 Enterprise Shock Rack	P9K40A

800mm Wide G2 Enterprise Series Rack Models

HPE 42U 800mmx1075mm G2 Enterprise Pallet Rack	P9K41A
HPE 42U 800mmx1075mm G2 Enterprise Shock Rack	P9K42A
HPE 42U 800mmx1200mm G2 Enterprise Pallet Rack	P9K45A
HPE 42U 800mmx1200mm G2 Enterprise Shock Rack	P9K46A

600mm Wide G2 Enterprise Series Rack Models

HPE 48U 600mmx1075mm G2 Enterprise Shock Rack	P9K50A
HPE 48U 600mmx1200mm G2 Enterprise Shock Rack	P9K52A

800mm Wide G2 Enterprise Series Rack Models

HPE 48U 800mmx1200mm G2 Enterprise Shock Rack	P9K58A

G2 Enterprise Series Network Rack Models

HPE 42U 800mmx1200mm G2 Enterprise Shock Network Rack	P9K48A

Overview

Rackable/Useable Area				Total Area	
Model	Height	Width	Depth	Total Cabinet Area	Shipping Dimensions
P9K43A	42U	800 mm	1075 mm	78.98 x 44.30 x 31.34 in (200.66 x 112.52 x 79.78 cm)	85.35 x 50.87 x 43.43 in (216.79 x 129.20 x 110.31 cm)
P9K48A	42U	800 mm	1200 mm	78.98 x 51.19 x 31.34 in (200.66 x 130.02 x 79.78 cm)	85.35 x 57.87 x 43.43 in (216.79 x 146.99 x 110.31 cm)
P9K50A	48U	600 mm	1075 mm	90.39 x 44.30 x 23.54 in (229.78 x 112.52 x 59.78 cm)	97.64 x 50.87 x 35.43 in (248.01 x 129.20 x 89.99 cm)
P9K51A	48U	600 mm	1200 mm	90.39 x 51.19 x 23.54 in (229.78 x 130.02 x 59.78 cm)	97.64 x 57.87 x 35.43 in (248.01 x 146.99 x 89.99 cm)
P9K52A	48U	600 mm	1200 mm	90.39 x 51.19 x 23.54 in (229.78 x 130.02 x 59.78 cm)	97.64 x 57.87 x 35.43 in (248.01 x 146.99 x 89.99 cm)
P9K54A	48U	800 mm	1075 mm	90.39 x 44.30 x 31.34 in (229.78 x 112.52 x 79.78 cm)	97.64 x 50.87 x 43.43 in (248.01 x 129.20 x 89.99 cm)
P9K55A	48U	800 mm	1075 mm	90.39 x 44.30 x 31.34 in (229.78 x 112.52 x 79.78 cm)	97.64 x 50.87 x 35.43 in (248.01 x 129.20 x 89.99 cm)
P9K57A	48U	800 mm	1200 mm	90.39 x 51.19 x 31.34 in (229.78 x 130.02 x 79.78 cm)	97.64 x 57.87 x 35.43 in (248.01 x 146.99 x 89.99 cm)
P9K58A	48U	800 mm	1200 mm	90.39 x 51.19 x 31.34 in (229.78 x 130.02 x 79.78 cm)	97.64 x 57.87 x 43.43 in (248.01 x 146.99 x 110.31 cm)
P9K60A	48U	800 mm	1200 mm	90.39 x 51.19 x 31.34 in (229.78 x 130.02 x 79.78 cm)	97.64 x 57.87 x 43.43 in (248.01 x 146.99 x 110.31 cm)

Model	Rack Height	Rack Weight (lbs)	Shipping Weight (lbs)	Static Load	Dynamic (Rolling) Load	Dynamic (Shipping) Load
P9K43A	42U	293.44 (133.10 kg)	326.50 (148.10 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)	
P9K48A	42U	303.14 (137.50 kg)	522.50 (237.00 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)
P9K50A	48U	252.43 (114.50 kg)	443.13 (201.00 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)
P9K51A	48U	272.27 (123.50 kg)	304.24 (138.00 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)	
P9K52A	48U	274.46 (124.50 kg)	480.61 (218.00 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)
P9K54A	48U	304.24 (138.00 kg)	509.27 (231.00 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)
P9K55A	48U	302.03 (137.00 kg)	335.10 (152.00 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)	
P9K57A	48U	319.67 (145.00 kg)	540.13 (245.00 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)	
P9K58A	48U	321.88 (146.00 kg)	542.34 (246.00 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)
P9K60A	48U	321.88 (146.00 kg)	542.34 (246.00 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)

Standard Features

What's Included With Rack?

- Hardware Kit (including key to front and rear doors)
- Support documentation

Notes: Side panels and baying kit must be purchased separately for all G2 Enterprise rack models.

Compatibility

- Designed to EIA-310 specifications for industry-standard racks
- Designed for HPE IT solutions
- Integration with HPE rack and power infrastructure solutions
- Includes adjustable EIA rails

Reliability/Durability

- 10-year limited warranty. Hardware replacement and repair is available for ten years from date of purchase.
- Proven frame design, heavy-gauge mounting rails, and heavy-duty casters can support up to 3,000 lbs. static load and dynamic (rolling) loads.
- Highest levels of ship-load testing to ensure a dynamic load of up to 3,000 lbs. when selecting a shock pallet rack option.
- Fully-welded, roll form rack frame.
- High-strength steel side bracing.

Usability/Management

- Industry's widest range of enclosure sizes with rack depths of 42-inches or greater.
- Multiple 800mm wide rack models including Network rack models available.
- Includes either 2 (1075mm models) or 4 (1200mm models) integrated and adjustable full-height PDU Mounting Trays in each rack to support PDU and cable management accessories.
- 80% front-door airflow perforation.
- Removal and reversible rack canopy with pre-installed brush strips capable of supporting easy pass-through of large cables and connectors.
- Enhanced front and rear door cabling channels.
- Redesigned bottom area designed for unobstructed access to data center floor.
- Depth adjustable, side EIA mounting rails designed to support front-to-back cabling.
- Flush-mounted, locking 2-piece side panels (optional) – supports baying with side panels installed.
- Quick release front and rear doors.
- Wide array of rack accessories for airflow management, cable management, stabilization, and safety/security.
- Eyebolt support integrated into enclosure frame.
- Configuration services through HPE Factory Express.

Standard Features

Safety/Security

- Industry standard lock panel on the front and rear doors capable of supporting a wide range of third-party electronic locking/security solutions.
- Flush-mounted side panels that support rack baying when installed.
- Optional electrical grounding covering frame and components.
- Single key access for front doors, rear doors, and side panels.

Industry Standards Compliance

EIA	Type A cabinet per section 4.1.1
UL/CES Certification	Yes
WEEE	Yes
RoHS compliant	Yes
TAA compliant	Compliant for all rack models sold in North America

Service and Support

For the most up-to-date information on HPE Services, please refer to the HPE Services – Supplemental QuickSpecs, which provides a comprehensive and regularly updated overview of available services.

Related 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. HPE Rack accessories include upgrades such as side panels, baying kits, cable management kits, drawers, shelving, and filler panels. To build a complete rack and power infrastructure for your IT environment, Hewlett Packard Enterprise also offers a full line of options that include power distribution units (PDU), uninterruptible power systems (UPS), and keyboard, video, mouse (KVM) consoles and switches. See HPE Rack and Power Infrastructure for more complete information at: http://www.hpe.com/info/rackandpower

Notes: 0D1 may appear after the above selected part numbers on your sales order if factory integration is indicated.

Rack Baying Kits

HPE G2 Rack Baying Kit P9L12A

Notes: This Baying Kit is used to connect HPE G2 racks of the same U height and depth together and includes the following components: (4) 24-inch baying brackets, (4) 600mm baying brackets, and T-30 Torx screws.

HPE G2 Advanced and Enterprise Series Rack 1075mm and 1200mm Offset Baying Kit P9L19A

Airflow Optimization

HPE Air Flow Optimization Kit BW930A

Notes: 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.

Notes: When configuring racks through Factory Express, a Rack Optimization kit will automatically ship with the rack. This kit is recommended for all other bayed rack configurations also.

Sidewall Panel Kits

HPE G2 Rack 42U 1075mm Side Panel Kit P9L15A
HPE G2 Rack 42U 1200mm Side Panel Kit P9L16A
HPE G2 Rack 48U 1075mm Side Panel Kit P9L17A
HPE G2 Rack 48U 1200mm Side Panel Kit P9L18A

Notes: HPE G2 Rack Side Panel Kits are locking, 2-piece panels that provide coverage for both sides of the rack.

Notes: Side Panel kits are not included with G2 Enterprise rack models and must be purchased separately.

Rack Stabilization Kits

HPE 600mm Rack Stabilizer Kit BW932A
HPE 600mm Heavy Duty V2 Stabilizer Kit BW961A
HPE 800mm Rack Stabilizer Kit BW933A

Notes: 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.

HPE Rack Ballast Kit 120672-B21

Notes: The Ballast 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. Compatible with HPE Advanced and Enterprise Series racks.

Related Options

Tie Down Kit

HPE Universal G2 Rack Tie Down Kit Q9V01A

Notes: The Rack Tie Down Kit is used to secure the rack to the datacenter floor.

Universal 1U Filler Panels

HPE 1U 10-pack Black Universal Filler Panel BW928A

HPE 1U 100-pack Black Universal Filler Panel BW929A

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

Rack Shelves

HPE 10000 Rack 1U Monitor Utility Shelf (Recommended) 253449-B21

Notes: This is a 1U fixed shelf that can be mounted at any height to place a monitor or other component within the rack. The shelf has a maximum weight capacity of 150 lbs. (68kg).

Adjustable Rails

Depth Adjustable Fixed Rail Kit 332558-B21

Notes: This kit contains two depth adjustable rails that allow Hewlett Packard Enterprise servers, storage, UPSs and other products to be mounted in HPE or third-party racks. Maximum weight capacity is 300 lbs. (136 kg).

Rack Light Kit

Notes: 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.

Locking Drawer

HPE 2U Universal Locking Drawer (Extended) 361591-B21

Notes: This rack accessory mounts on HPE Advanced and Enterprise Series racks with sliding rails and is used to store CD's, instruction manuals, tools, and any other items that are frequently used at the rack. Drawer includes lock.

Cable Management Kits

HPE Quarter Turn Hook and Loop 10 Pack Kit BW963A

HPE Quarter Turn Hook and Loop 100 Pack Kit BW964A

Notes: Quarter turn hook and loop straps help attach cables and other devices to the accessory bracket in the rear of the rack without tools.

HPE G2 Cable Management D-ring Kit Q9V02A

Notes: This kit consists of 10 "D" rings that can be used for cable management.

HPE Rack Cable Management Velcro Clips 379820-B21

HPE G2 Rack Cable Management Combo Kit Q9V03A

Notes: The HPE Rack Cable Management Combo Kit includes a 1U and 2U front cable entry panel with brush inserts, 2x crossover cable brackets, 10x D-rings, 10x hook and loop straps (8 inch), 10x hook and loop straps (10 inch), and mounting hardware.

Related Options

Grounding Kit

HPE G2 Rack Grounding Kit P9L11A

Notes: The Rack Grounding Kit can be used to reduce the level of electromagnetic emissions outside the rack. The Kit includes (2) 6" Grounding Straps, (3) 14.5" Grounding Straps, (4) 6" Grounding Straps w/connectors, (4) 14.5" Grounding Straps w/connectors.

Hardware Kit

HPE Rack Hardware Kit H6J85A

Notes: The HPE Rack Hardware Kit includes 24x M6 cage nuts, 24x M6x16 T25 screws, 10x 6mm thread clip nuts, cage nut tool, and 5x Quarter turn hook and loop straps.

HPE Support Services

HPE Install Rack and Rack Options Service U2871E

HPE Factory Express Services

HPE Hardware Customization Service	HA838A1
HPE 3rd Party Hardware Install Service	HA844A1
HPE Customer Defined Rack Cable Labeling Service	HA850A1
HPE Customer Furnished Equipment Handling Service	HA851A1
HPE Rack Product Placement Service	HA864A1

Notes: HPE Factory Express offers a full line of services. For more information visit http://www.hpe.com/info/factoryexpress.

Technical Specifications

	Rackable/Useable Area			Total Area	
Model	Height	Width	Depth	Total Cabinet Area	Shipping Dimensions
P9K37A	42U	600 mm	1075 mm	78.98 x 44.30 x 23.54 in (200.66 x 112.52 x 59.78 cm)	84.17 x 47.24 x 27.95 in (213.79 x 120.00 x 71.00 cm)
P9K38A	42U	600 mm	1075 mm	78.98 x 44.30 x 23.54 in (200.66 x 112.52 x 59.78 cm)	85.35 x 50.87 x 35.43 in (216.79 x 129.20 x 89.99 cm)
P9K39A	42U	600 mm	1200 mm	78.98 x 51.19 x 23.54 in (200.66 x 130.02 x 59.78 cm)	84.65 x 52.92 x 27.95 in (215.00 x 139.50 x 71.00 cm)
P9K40A	42U	600 mm	1200 mm	78.98 x 51.19 x 23.54 in (200.66 x 130.02 x 59.78 cm)	85.82 x 57.87 x 35.43 in (218.00 x 146.99 x 89.99 cm)
P9K41A	42U	800 mm	1075 mm	78.98 x 44.30 x 31.34 in (200.66 x 112.52 x 79.78 cm)	84.17 x 47.24 x 35.83 in (213.79 x 120.00 x 91.00 cm)
P9K42A	42U	800 mm	1075 mm	78.98 x 44.30 x 31.34 in (200.66 x 112.52 x 79.78 cm)	85.35 x 50.87 x 43.43 in (216.79 x 129.20 x 110.31 cm)
P9K45A	42U	800 mm	1200 mm	78.98 x 51.19 x 31.34 in (200.66 x 130.02 x 79.78 cm)	84.17 x 54.84 x 35.83 in (218.80 x 139.30 x 91.00 cm)
P9K46A	42U	800 mm	1200 mm	78.98 x 51.19 x 31.34 in (200.66 x 130.02 x 79.78 cm)	85.35 x 57.87 x 43.43 in (216.79 x 146.99 x 110.31 cm)

Understanding rack weights and loadsHPE G2 Enterprise Series Racks are designed to support high-capacity weight loads that include the weight of the rack and all the equipment installed. Weight loads are defined as:

- Shipping Weight - rack including shipping packaging and materials.
- Static Load – maximum loaded weight that a rack can support when stationary.
- Dynamic Load (Rolling) – maximum loaded weight a rack can support when rolled.
- Dynamic Load (Shipping) – maximum loaded weight a rack can support when shipped configured with IT equipment.

HPE G2 Enterprise Series Racks are rated for Static Loads of up to 3,000 lbs. If you require a rack that can be shipped when fully loaded with equipment, please consider purchasing a Shock Pallet model that can support up to 3,000 lbs. during shipment.

Technical Specifications

Model	Rack Height	Rack Weight (lbs)	Shipping Weight (lbs)	Static Load	Dynamic (Rolling) Load	Dynamic (Shipping) Load
P9K37A	42U	228.18 (103.50 kg)	257.94 (117.00 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)	
P9K38A	42U	230.38 (104.50 kg)	421.08 (191.00 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)
P9K39A	42U	249.12 (113.00 kg)	281.09 (127.50 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)	
P9K40A	42U	251.33 (114.00 kg)	456.36 (207.00 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)
P9K41A	42U	293.44 (133.10 kg)	326.50 (148.10 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)	
P9K42A	42U	295.66 (134.10 kg)	499.57 (226.60 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)
P9K45A	42U	300.93 (136.50 kg)	336.20 (152.50 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)	
P9K46A	42U	303.14 (137.50 kg)	522.50 (237.00 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)	3,000 lbs. (1,361 kg)

Environment-friendly Products and Approach - End-of-life Management and Recycling

Hewlett Packard Enterprise offers end-of-life product return, trade-in, and recycling programs, in many geographic areas, for our products. Products returned to Hewlett Packard Enterprise will be recycled, recovered or disposed of in a responsible manner.

The EU WEEE directive (2002/95/EC) requires manufacturers to provide treatment information for each product type for use by treatment facilities. This information (product disassembly instructions) is posted on the Hewlett Packard Enterprise website. These instructions may be used by recyclers and other WEEE treatment facilities as well as Hewlett Packard Enterprise OEM customers who integrate and re-sell Hewlett Packard Enterprise equipment.

Summary of Changes

Date	Version History	Action	Description of Change
21-Sep-2026	Version 13	Changed	QuickSpecs maintenance updates.
16-Feb-2026	Version 12	Changed	New branding applied to document.
07-Sep-2022	Version 11	Changed	Related Options section was updated.
15-Nov-2021	Version 10	Changed	Service and Support section was updated.
02-Apr-2019	Version 9	Changed	Related options section was updated. Obsolete SKUs were removed.
03-Dec-2018	Version 8	Changed	Related options section was updated.
15-Oct-2018	Version 7	Changed	Technical Specification section was updated.
01-Oct-2018	Version 6	Changed	Technical Specifications & Related Options sections were updated.
02-Jul-2018	Version 5	Changed	Related Options Section was updated.
05-Feb-2018	Version 4	Changed	Rack Models, Standard Features and Technical Specifications sections were updated.
07-Aug-2017	Version 3	Added	Added new Baying kits and Door kits.
		Changed	Related Options section was revised.
05-Jun-2017	Version 2	Changed	Overview and Technical Specifications were revised. Product images were updated.
27-Mar-2017	Version 1	Added	New QuickSpecs.

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