

Overview

HPE G2 Advanced Series Racks

HPE G2 Advanced Series Racks are designed for low-to-medium 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 Advanced Racks are designed specifically to support a wide range of HPE IT equipment (servers, storage, and networking), as well as the entire portfolio HPE Rack and Power Infrastructure solutions (PDU, UPS and KVM).

All HPE G2 Advanced 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 castors that can support a static load of up to 3000 lbs. Additionally, select shock pallet models include packaging specifically designed to support the shipment of pre-configured racks with up to 2,250 lbs. of It equipment.

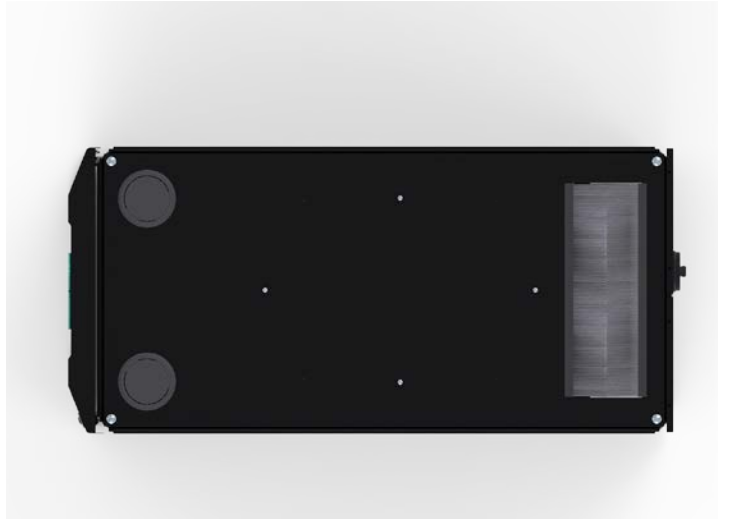
The G2 Advanced Series Rack portfolio includes a wide range of rack models covering a variety of heights, widths, and depths. To simplify purchasing and installation, all rack models include locking side panels and baying kits. Additionally, HPE offers a large portfolio of rack accessories that support airflow management, cable management, and added rack stability.



Overview



P9K07A



P9K09A

Rack Models

HPE G2 Advanced Series Rack Models

Review the following details to better understand the different rack models that are offered in the HPE G2 Advanced 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 2,250 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

600mm Wide G2 Advanced Series Rack Models

HPE 22U 600mmx1075mm G2 Kitted Advanced Pallet Rack with Side Panels and Baying	P9K03A
HPE 22U 600mmx1075mm G2 Kitted Advanced Shock Rack with Side Panels and Baying	P9K04A
HPE 36U 600mmx1075mm G2 Kitted Advanced Pallet Rack with Side Panels and Baying	P9K05A
HPE 36U 600mmx1075mm G2 Kitted Advanced Shock Rack with Side Panels and Baying	P9K06A
HPE 42U 600mmx1075mm G2 Kitted Advanced Pallet Rack with Side Panels and Baying	P9K07A
HPE 42U 600mmx1075mm G2 Kitted Advanced Shock Rack with Side Panels and Baying	P9K08A
HPE 42U 600mmx1200mm G2 Kitted Advanced Pallet Rack with Side Panels and Baying	P9K09A
HPE 42U 600mmx1200mm G2 Kitted Advanced Shock Rack with Side Panels and Baying	P9K10A
HPE 48U 600mmx1075mm G2 Kitted Advanced Pallet Rack with Side Panels and Baying	P9K19A

800mm Wide G2 Advanced Series Rack Models

HPE 42U 800mmx1075mm G2 Kitted Advanced Pallet Rack with Side Panels and Baying	P9K11A
HPE 42U 800mmx1075mm G2 Kitted Advanced Shock Rack with Side Panels and Baying	P9K12A
HPE 42U 800mmx1200mm G2 Kitted Advanced Pallet Rack with Side Panels and Baying	P9K15A
HPE 42U 800mmx1200mm G2 Kitted Advanced Shock Rack with Side Panels and Baying	P9K16A
HPE 48U 800mmx1075mm G2 Kitted Advanced Pallet Rack with Side Panels and Baying	P9K21A

G2 Advanced Series Network Rack Models

HPE 42U 800mmx1075mm G2 Kitted Advanced Network Pallet Rack	P9K17A
HPE 42U 800mmx1200mm G2 Kitted Advanced Shock Network Rack with Side Panels and Baying	P9K18A

Standard Features

What's Included With Rack?

- Complete set of 2-piece locking side panels
- Baying kit
- Hardware Kit (including key to front and rear doors)
- Support documentation

Compatibility

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

Reliability/ Durability

- 10 year limited warranty - repair or replace for the life of the rack
- Proven frame design, heavy-gauge mounting rails, and heavy-duty casters can support up to 3000 lbs. static loads and up to 2250 lbs. dynamic (rolling) loads
- Highest levels of ship-load testing to ensure a dynamic load of up to 2250 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
- Side panels and baying kit included with all G2 Advanced Series rack models
- 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
- Side EIA mounting rails designed to support front-to-back cabling
- Flush-mounted, locking 2-piece side panels
- 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

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

Standard Features

TAA compliant

Compliant for all rack models sold in North America

Service & Support

Warranty / Service Coverage

HPE G2 Advanced Racks are covered by a global 10 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: <http://h17007.www1.hpe.com/us/en/enterprise/servers/warranty/index.aspx#.V-10xE3rvbq>

HPE Support Services

HPE Services

To help streamline implementation and enhance ongoing support of rack solutions, Hewlett Packard Enterprise provides cost-effective service options with resources and specialized expertise to complement customers' in-house capabilities.

Installation and Startup services

Take advantage of complete installation and implementation support-including global rollout capabilities-to get rack solutions up-and-running rapidly, with minimal business disruption.

Server Option Hardware Support

Cover rack options with a single convenient service package. HPE Support Services for rack-mounted ProLiant DL servers and storage products provide support for all HPE-branded rack hardware options that are qualified for inclusion with the server at the time of or after purchase. This covers all rack and power infrastructure options including power distribution units (PDU), UPS options up to 12kVA (not including battery), rack and rack accessories, and KVM consoles and switches. All of these products are covered at the same service level and for the same period as the server at no additional cost.

HPE Support Services help increase uptime and productivity with rapid response on a 24x7 or 13x5 basis. Both options feature same-day, 4-hour onsite assistance when service issues cannot be resolved remotely. And both help enhance the return on server investment with proven HPE Services expertise and consistent support levels across geographically dispersed sites.

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 KVM (keyboard, video, mouse) consoles and switches. See HPE Rack and Power Infrastructure for more complete information at: <http://www.hp.com/go/rackandpower>.

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

Rack Baying Kits	HPE G2 Rack Baying Kit	P9L12A
	NOTE: 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 1075-1200mm Offset Baying Kit	BW941A
	NOTE: This Offset Baying Kit is used to connect 42U 1075mm to 42U 1200mm racks. Includes (3) 24-inch baying brackets, (3) 600mm baying brackets, and T-30 Torx screws.	
	HPE 1M-1075mm Offset Baying Kit	BW952A
	NOTE: This Offset Baying Kit is used to connect 42U 1075mm racks to 42U 1000mm depth racks. Includes (3) 24-inch baying brackets, (3) 600mm baying brackets, and T-30 Torx screws.	
Airflow Optimization	HPE Air Flow Optimization Kit	BW930A
	NOTE: 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.	
	NOTE: 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 Advanced Series Rack (110V) Roof Mount Fan Kit	P9L17A
	NOTE: HPE G2 Rack Side Panel Kits are locking, 2-piece panels that provide coverage for both sides of the rack.	
	NOTE: All HPE G2 Advanced Series Racks ship with a complete set of side panels.	
Rack Stabilization Kits	HPE 600mm Rack Stabilizer Kit	BW932A
	HPE 600mm Heavy Duty V2 Stabilizer Kit	BW961A
	HPE 800mm Rack Stabilizer Kit	BW933A
	NOTE: 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.	
	HP 9000 and 10000 Rack Ballast Kit	120672-B21
	NOTE: 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.	
Tie Down Kit	HP 11K G2 Rack Tie Down Kit	AF076A
	HP 800mm Rack Tie Down Kit	BW927A

Related Options

NOTE: The Rack Tie Down Kit is used to secure the rack to the datacenter floor. Part number AF076A is used for 600mm wide racks only.

Universal 1U Filler Panels	HP 1U 10-pack Black Universal Filler Panel	BW928A
	HP 1U 100-pack Black Universal Filler Panel	BW929A
	NOTE: 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	HP 10000 Rack 1U Monitor Utility Shelf	253449-B21
	HP 100kg Sliding Shelf	234672-B21
	NOTE: 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) and ships with bezels for both a 15" and 17" monitor.	
Adjustable Rails	Depth Adjustable Fixed Rail Kit	332558-B21
	NOTE: 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	HPE Rack LED Light Kit	BW939A
	NOTE: 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	HP 2U Universal Locking Drawer	361591-B21
	NOTE: 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
	Compaq Cable Management D Rings	168233-B21
	HP Rack Cable Management Velcro Clips	379820-B21
	HP Rack Cable Management Kit	AF099A
	NOTE: Quarter turn hook and loop straps help attach cables and other devices to the accessory bracket in the rear of the rack without tools.	
	NOTE: This kit consists of 10 "D" rings that can be used for cable management.	
	NOTE: The HPE Rack Cable Management 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.	
Rack Top Cable Trays	HP 600 Wide Rack Top Cable Tray	383982-B21
	HP 800 Wide Rack Top Cable Tray	383983-B21
	HP Rack Top Cable Mgmt Transfer Tray	383984-B21
	NOTE: HPE Rack Top Cable Tray connects two aisles of racks with HPE Rack Top Cable Trays to run overhead cables.	
Rack Fan Kits	HP 10000 Rack Roof Mount Fan (110V) Kit	257413-B21
	HP 10000 Rack Roof Mount Fan (220V) Kit	257414-B21
	NOTE: The Rack Fan Kits enhance natural convection cooling by increasing airflow in the rack.	
Grounding Kit	HPE G2 Rack Grounding Kit	P9L11A

Related Options

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

Hardware Kit	HPE Rack Hardware Kit	H6J85A
	NOTE: The HPE Rack Hardware Kit includes 24x M6 cage nuts, 24x M6x16 T25 screws, 10x 5mm thread clip nuts, 10x 6mm thread clip nuts, cage nut tool, and 5x Quarter turn hook and loop straps.	
Rack Branding Kit	HPE Custom Door Branding Kit	BW935A
	NOTE: Blank panel that allows you to customize the rack with rack location information, branding, or other description information.	
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 Custom Placement within Rack Service	HA864A1
	NOTE: HPE Factory Express offers a full line of services. For more information visit http://www.hp.com/go/factoryexpress	

Technical Specifications

Model	Rackable/Useable Area			Total Area	
	Height	Width	Depth	Total Cabinet Area	Shipping Dimensions
P9K03A	22U	600mm	1,075mm	23.54 x 44.3 x 43.64 in (59.78 x 112.52 x 110.84 cm)	50.79 x 47.24 x 27.95 in (129.00 x 120.00 x 71.00 cm)
P9K04A	22U	600mm	1,075mm	23.54 x 44.3 x 43.64 in (59.78 x 112.52 x 110.84 cm)	59.49 x 50.87 x 35.43 in (151.00 x 129.20 x 90.00 cm)
P9K05A	36U	600mm	1,075mm	23.5 x 42.72 x 68.66 in (59.78 x 108.52 x 174.39 cm)	84.17 x 47.24 x 27.95 in (213.80 x 120.00 x 71.00 cm)
P9K06A	36U	600mm	1,075mm	23.5 x 42.72 x 68.66 in (59.78 x 108.52 x 174.39 cm)	85.35 x 50.87 x 35.43 in (216.80 x 129.20 x 90.00 cm)
P9K07A	42U	600mm	1,075mm	23.54 x 44.3 x 78.97 in (59.78 x 112.52 x 200.6 cm)	84.17 x 47.24 x 27.95 in (213.80 x 120.00 x 71.00 cm)
P9K08A	42U	600mm	1,075mm	23.54 x 44.3 x 78.97 in (59.78 x 112.52 x 200.6 cm)	85.35 x 50.87 x 35.43 in (216.80 x 129.20 x 90.00 cm)
P9K09A	42U	600mm	1,200mm	23.54 x 49.61 x 78.97 in (59.78 x 126.02 x 200.6 cm)	84.17 x 54.92 x 27.95 in (218.80 x 139.50 x 71.00 cm)
P9K10A	42U	600mm	1,200mm	23.54 x 49.61 x 78.97 in (59.78 x 126.02 x 200.6 cm)	85.35 x 57.87 x 35.43 in (216.80 x 147.00 x 90.00 cm)
P9K19A	48U	600mm	1,075mm	23.54 x 43.63 x 90.39 in (59.78 x 110.82 x 229.58 cm)	96.46 x 47.24 x 27.95 in (245 x 120.00 x 71.00 cm)
P9K11A	42U	800mm	1,075mm	31.38 x 43.63 x 78.98 in (79.7 x 110.82 x 200.6 cm)	84.17 x 54.84 x 27.95 in (213.79 x 139.29 x 71.00 cm)
P9K12A	42U	800mm	1,075mm	31.38 x 43.63 x 78.98 in (79.7 x 110.82 x 200.6 cm)	85.35 x 57.87 x 35.43 in (216.79 x 146.99 x 89.99 cm)
P9K17A	42U	800mm	1,075mm	31.38 x 43.63 x 78.98 in (79.7 x 110.82 x 200.6 cm)	84.17 x 54.84 x 27.95 in (213.79 x 139.29 x 71.00 cm)
P9K15A	42U	800mm	1,200mm	31.38 x 49.61 x 78.97 in (79.7 x 126.02 x 200.6 cm)	84.17 x 54.84 x 35.83 in (218.80 x 139.30 x 91.00 cm)
P9K18A	42U	800mm	1,200mm	31.38 x 49.61 x 78.98 in (79.7 x 126.02 x 200.6 cm)	85.35 x 57.87 x 43.43 in (216.80 x 147.00 x 110.3 cm)
P9K16A	42U	800mm	1,200mm	31.38 x 49.61 x 78.97 in (79.7 x 126.02 x 200.6 cm)	85.35 x 57.87 x 43.43 in (216.80 x 147.00 x 110.3 cm)
P9K21A	48U	800mm	1,075mm	31.38 x 43.63 x 90.39 in (79.7 x 110.82 x 229.58 cm)	97.64 x 57.87 x 35.43 in (248.01 x 146.99 x 89.99 cm)

Understanding rack weights and loads

HPE G2 Advanced 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 Advanced Series Racks are rated for Static Loads of up to 3000 lbs. If you require a rack that can be shipped when fully loaded with equipment, please consider purchasing one of our Shock Pallet models that can support up to 2,250 lbs. during shipment.

Model	Rack Height	Rack Weight (lbs)	Shipping Weight (lbs)	Static Load	Dynamic (Rolling) Load	Dynamic (Shipping) Load*
-------	-------------	-------------------	-----------------------	-------------	------------------------	--------------------------

Technical Specifications

P9K03A	22U	173.06	202.83	3,000 lbs. (1,361 kg)	2500 lb (1133.98 kg)	-
P9K04A	22U	173.06	338.41	3,000 lbs. (1,361 kg)	2500 lb (1133.98 kg)	2,250 lbs. (1021 kg)
P9K05A	36U	255.74	285.50	3,000 lbs. (1,361 kg)	2500 lb (1133.98 kg)	-
P9K06A	36U	255.74	421.08	3,000 lbs. (1,361 kg)	2500 lb (1133.98 kg)	2,250 lbs. (1021 kg)
P9K07A	42U	281.10	310.90	3,000 lbs. (1,361 kg)	2500 lb (1133.98 kg)	-
P9K08A	42U	281.10	470.71	3,000 lbs. (1,361 kg)	2500 lb (1133.98 kg)	2,250 lbs. (1021 kg)
P9K09A	42U	310.85	342.82	3,000 lbs. (1,361 kg)	2500 lb (1133.98 kg)	-
P9K10A	42U	310.85	514.81	3,000 lbs. (1,361 kg)	2500 lb (1133.98 kg)	2,250 lbs. (1021 kg)
P9K19A	48U	311.95	341.72	3,000 lbs. (1,361 kg)	2500 lb (1133.98 kg)	-
P9K11A	42U	346.35	379.42	3,000 lbs. (1,361 kg)	2500 lb (1133.98 kg)	-
P9K12A	42U	346.35	549.17	3,000 lbs. (1,361 kg)	2500 lb (1133.98 kg)	2,250 lbs. (1021 kg)
P9K17A	42U	346.35	379.42	3,000 lbs. (1,361 kg)	2500 lb (1133.98 kg)	-
P9K15A	42U	362.66	397.93	3,000 lbs. (1,361 kg)	2500 lb (1133.98 kg)	-
P9K18A	42U	346.35	580.92	3,000 lbs. (1,361 kg)	2500 lb (1133.98 kg)	2,250 lbs. (1021 kg)
P9K16A	42U	362.66	580.82	3,000 lbs. (1,361 kg)	2500 lb (1133.98 kg)	2,250 lbs. (1021 kg)
P9K21A	48U	363.76	396.83	3,000 lbs. (1,361 kg)	2500 lb (1133.98 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.

http://www8.hp.com/us/en/hpe/hp-information/livingprogress/environmentalprogress/product-recycling.html#.V-IPA_krKiM

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 web site. 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.

http://www8.hp.com/us/en/hpe/hp-information/livingprogress/environmentalprogress/product-recycling.html#.V-IPA_krKiM

Summary of Changes

Date	Version History	Action	Description of Change
28-Nov-2016	Version 1	Added	New QuickSpecs



Sign up for updates



**Hewlett Packard
Enterprise**

© Copyright 2016 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise 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. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

c05324689 - 15754 - Worldwide - V1 - 28-November-2016