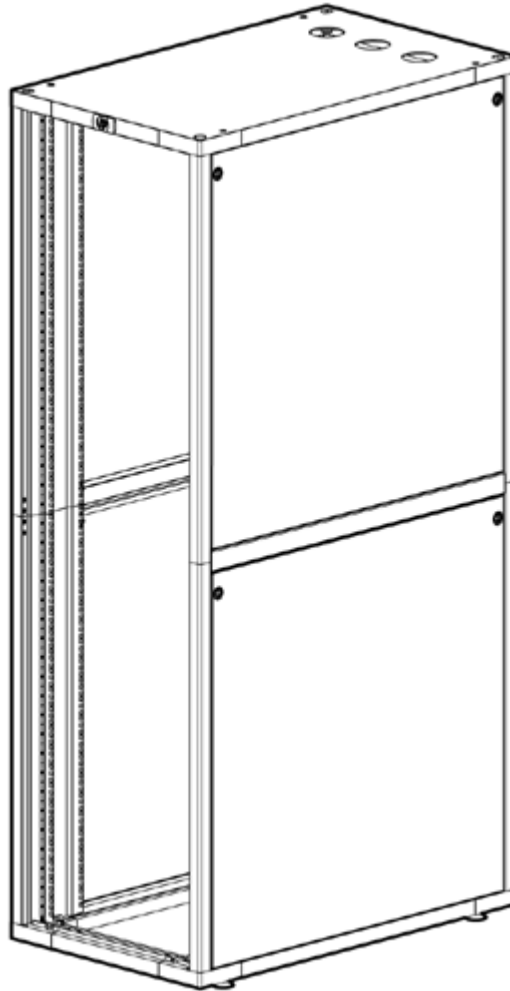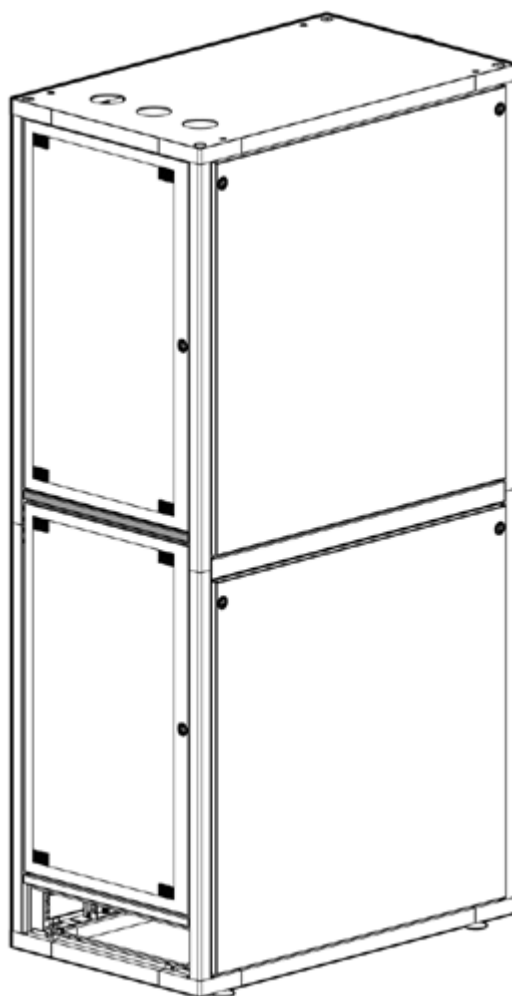# QuickSpecs

Overview

The HP 5642 rack, specifically designed for the value minded customer, is a revolutionary new rack that is assembled by the customer presenting significant savings while still proving to be a reliable industry standard rack that will meet most racking requirements.

Front View

Overview

Rear View

At A Glance

- The HP 5642 rack ships unassembled
- Designed for 2 persons to assemble in less than one hour
- Industry standard 19" rack and 1 meter deep
- 1500 lbs (680 kg) static load capacity
- 42U of mounting space
- Allows zero U mounting of options such as KVM switches or PDU
- Rear doors with key locks provide security and limits access to equipment and cables
- Ships with side panels included
- 65% perforated rear doors provide sufficient airflow outlet
- Baying kit and stabilizing kit available
- Optional front door (the HP 5642 rack ships without front door)
- Includes Set up CD with video on assembly instructions
- Metallic Carbonite frame color
- U Markings on the RETMA rail
- Top and bottom cable egresses
- Use for all rack mounted HP ProLiant servers and StorageWorks MSA family
- Three-year Warranty, parts only

QuickSpecs

Models

Models

HP 5642 Rack Unassembled   358254-B21
NOTE: 42U Rack cabinet unassembled on pallet.

Product Features

Product Description   HP 5642 rack is a 42U rack that ships unassembled and boxed on a standard size pallet. The HP 5642 rack is an industry standard 19" wide rack with 1000 mm depth and standard square holes on the RETMA rails. It ships standard with side panels and rear doors but does not ship with the front door* or casters. The static load capacity, or the maximum load of the rack when deployed, is 1500 lbs (680 kg). The HP 5642 is easy to assemble and one or two people are able to assemble the rack in one hour or less.

The HP 5642 is a rack targeted for those companies that are looking for an entry level rack with sufficient features for easy access and ease of use. When assembled, the HP 5642 has the same space capacity as the more expensive 42U racks providing great value for the customers IT investment.

Available options for the HP 5642 rack are the Rack Stabilizing kit and the Rack Baying kit.

*Please refer to the Related Options section of this QuickSpecs for optional front door.

The HP Rack System   All HP rack mountable products are designed to fit our industry-standard 19-inch wide racks. Racks and rack mountable components are typically described using "U" measurements. One "U" is 1.75 inches (44.45 mm) high.

Loading - The 5642 will accommodate up to 1500 lbs (680 kg) of equipment in a static environment. A static environment is one where the rack is positioned into place and the leveling feet are extended prior to equipment being installed.

NOTE: Side Panels ship standard on the 5642.

Key Features

- Unique frame design for simple, quick assembly
- Thermal integrity, with 65% perforated rear doors
- Industry standard 19" rack with 1000mm depth
- Rear doors and removable side panels included
- 42U of mounting space
- One Worldwide part number
- 0U mounting space capability
- 3-year Warranty (3-0-0)
- Static Load capacity up to 1500 lbs (680 kg)
- Rear door locks
- Use for all rack mounted ProLiant servers and StorageWorks MSA family. See compatibility matrix for additional information
- U markings on RETMA rail
- Compact shipping box minimized fright costs

Service and Support, HP Care Pack, and Warranty Information

Three-year limited warranty, parts only (3-0-0)

Care Pack services provide a range of life cycle support options that let you choose the service levels that meet your business requirements, from basic to mission-critical.

A full range of HP Care Pack hardware and software services are available including:

- Installation and start up
- Education courses
- Extended onsite hardware coverage hours from same business day 13 hours, 5 day to 24 hours, 7 days call window with options including 4-hour response or 6-hour Call To Repair
- Comprehensive range of software technical support for Microsoft, Linux, ProLiant Essentials and VMware-based IT solutions helping to deliver high level of application availability. Response times range from 30 mins for critical problems to 2 hours.
- System Management, Performance Services and Mission Critical Support Solution

NOTE: For more information on HP Care Pack services, contact any of our worldwide sales offices or resellers or visit our worldwide Web site on the internet at: http://www.hp.com/hps/carepack
NOTE: For more complete information on HP Services offerings, customers and resellers, please visit us at: http://www.hp.com/hps
NOTE: Additional information regarding worldwide limited warranty and technical support is available at: http://h18004.www1.hp.com/products/servers/platforms/warranty/index.html
NOTE: For additional information on Server Services, Rack and Power Options, please visit: http://h20219.www2.hp.com/services/cache/111072-0-0-225-121.html
NOTE: The information contained herein is subject to change without notice and is provided "as is" without warranty of any kind.
NOTE: The warranties for HP products and services are set forth in the express limited warranty statements accompanying such products and services.
NOTE: Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Related Options

Several options allow for quick and easy configuration of the HP Rack 5642 Series racks:

Rack 5000 Series rack options	HP Front Door 5642 Rack ALL	376440-B21
	Baying Kit for 5642 rack (Graphite Carbon) **NOTE:** The baying kit is used to join two or more HP 5642 racks.	374499-B21
	Stabilizer Kit for 5642 rack (Graphite Carbon) **NOTE:** The stabilizing kit is recommended for single rack deployments. The 10KG2 22u racks AF021A and AFO22A ships with Stabilization kit.	374493-B21
Keyboard and Monitors	TFT7600 Rackmount Keyboard and Monitor US	AG052A
	TFT7600 Rackmount Keyboard and Monitor UK	AG053A
	TFT7600 Rackmount Keyboard and Monitor GR	AG054A
	TFT7600 Rackmount Keyboard and Monitor FR	AG055A
	TFT7600 Rackmount Keyboard and Monitor IT	AG056A
	TFT7600 Rackmount Keyboard and Monitor SP	AG057A
	TFT7600 Rackmount Keyboard and Monitor DEN	AG058A
	TFT7600 Rackmount Keyboard and Monitor NOR	AG059A
	TFT7600 Rackmount Keyboard and Monitor SE/FI	AG060A
	TFT7600 Rackmount Keyboard and Monitor SWI	AG061A
	TFT7600 Rackmount Keyboard and Monitor PORT	AG062A
	TFT7600 Rackmount Keyboard and Monitor BEL	AG063A
	TFT7600 Rackmount Keyboard and Monitor JPN2	AG064A
	TFT7600 Rackmount Keyboard and Monitor RUS	AG065A
	TFT7600 Rackmount Keyboard and Monitor INTL	AG066A
	HP TAA TFT7600 US Rkmntkybd 17in Monitor	AG067A
Universal 1U Filler Panels (Carbon Graphite)	HP 10pk Carbonite 1U Universal Filler Panel	AF070A
	HP 100pk Carbonite 1U Universal Filler Panel	AF071A
	NOTE: The 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. **NOTE:** 0D1 will appear after the above selected part numbers on yours sales order if factory integration is indicated.	
HP Modular Power Distribution Units (Zero-U/1U Modular PDUs) 100 - 127v 1Ø	2.8 kVA Modular PDU, 24A	252663-D71
HP Modular Power Distribution Units (Zero-U/1U Modular PDUs) 200 - 240v 1Ø	3.6 kVA Modular PDU, 16A	252663-B24
	4.9 kVA Modular PDU, 24A	252663-D72
	7.3 kVA Modular PDU, 32A	252663-B31
	8.3 kVA Modular PDU, 40A	252663-B21

Related Options

HP Two Fixed Cord Extension Bars	HP Two Fixed Cord Extension Bars **NOTE:** Each extension bar has a C-19 input and 7 C-13 receptacles on 13 inch cords attached to the extension bars. The option is ideal for powering 1U servers and componants.	351655-B21

HP Monitored Power Distribution Units	**HP Monitored Power Distribution Unit: Full Rack Version**	
	HP 17.3 kVA S2324 Monitored PDU- dual input, 3Ø24A (NA/JPN)	AF503A
	HP 8.6 kVA S1324 Monitored PDU- single input, 3Ø, 24A (NA/JPN)	AF504A
	HP 16.6 kVA S2140 Monitored PDU- dual input, 1Ø, 40A (NA/JPN)	AF505A
	HP 8.3 S1140 Monitored PDU- single input, 1Ø, 40A (NA/JPN)	AF506A
	HP 22.1 kVA S2316 Monitored PDU- dual input, 3Ø, 16A (INTL)	AF507A
	HP 11 kVA S1316 Monitored PDU- single input, 3Ø, 16A (INTL)	AF508A
	HP 14.7 kVA S2132 Monitored PDU- dual input, 1Ø, 32A (INTL)	AF509A
	HP 7.3 kVA S1132 Monitored PDU- single input, 1Ø, 32A (INTL)	AF510A
	NOTE: "Ø" = number of electrical phases at input.	
	HP Monitored Power Distribution Unit: Half Rack Version	
	HP 17.3 kVA S348 Monitored PDU- single input, 3Ø, 48A (NA/JPN)	AF916A
	HP 22 kVA S332 Monitored PDU- single input, 3Ø, 32A (INTL)	AF917A
	HP 4.9 kVA S124 Monitored PDU- single input, 1Ø, 24A (NA/JPN)	AF914A
	HP 7.3 kVA S132 Monitored PDU- single input, 1Ø, 32A (INTL)	AF915A
	NOTE: "Ø" = number of electrical phases at input.	

HP UPS R1500 G2	HP, R1.5kVA UPS, 1U, NA	AF419A
	HP, R1.5kVA UPS, 1U, INTL	AF418A
	HP, R1.5kVA UPS, 1U, JPN/TW	AF421A

HP UPS R3000 Uninterruptible Power System	HP R3000 VA UPS, 2U, DTC, INTL	AF414A
	HP R3000 VA UPS, 2U, L5-30, NA	AF422A
	HP R3000 VA UPS, 2U, L6-20, NA	AF423A
	HP R3000 VA UPS, 2U, L6-20, JPN	AF424A
	HP R3000 VA UPS, 2U, L5-30, JPN	AF425A

HP R3000v UPS Uninterruptible Power System (UPS)	HP R3000v UPS **NOTE:** The R3000v is available in China and India only.	AF444A

HP R/T3000 Uninterruptible Power System (UPS)	HP R/T3000 UPS, Low voltage NA/JPN	AF452A
	HP R/T3000 UPS, High voltage NA/JPN	AF453A
	HP R/T3000 UPS, High voltage, detachable inlet cord INTL	AF454A

HP Rack-Mountable R5500 UPS	HP R5500 VA UPS, INTL	AF416A
	HP R5500 VA UPS, NA/JPN	AF426A

Related Options

HP Parallel 3 Phase Uninterruptible Power Systems (UPS RP36000/3)	HP RP36000/3 Uninterruptible Power System NA	AF438A
	HP RP36000/3 Uninterruptible Power System INTL	AF439A
HP 1x4 USB/PS2 KVM Switch	HP 1x4 Server Console Switch	AF611A
	HP PS2 Server Console Cable, 6 foot, 2-Pack	AF612A
	HP USB Server Console Cable, 6 foot, 2-Pack	AF613A
	NOTE: USB cable required for supporting USB peripherals.	
HP KVM Switch Options	HP Server console switch 0x2x8	AF616A
	HP Server console switch 0x2x16	AF617A
	PS/2 Interface Adapter, 1-pack	262588-B21
	PS/2 Interface Adapter, 8-pack	262587-B21
	USB Interface Adapter, 1-pack	336047-B21
	Serial Interface Adapter, 1-pack with power supply	373035-B21
	HP TAA Server console switch 0x2x16	AF626A
	0x2x16 KVM Server Console G2 Switch with Virtual Media and CAC	AF618A
	0x2x32 KVM Server Console G2 Switch with Virtual Media and CAC	AF619A
	1x1Ex8 KVM IP Console Switch G2 with Virtual Media and CAC	AF620A
	2x1Ex16 KVM IP Console Switch G2 with Virtual Media and CAC	AF621A
	4x1Ex32 KVM IP Console Switch G2 with Virtual Media and CAC	AF622A
	PS2/USB Virtual Media, CAC Interface Adapter, 1 pack	AF624A
	NOTE: Requires PS/2 mouse and keyboard connections and one USB port on server.	
	USB Virtual Media, CAC Interface Adapter	AF623A
	HP KVM CNSL SRL/PWR G2 ITFC ADPTR	AF625A
	NOTE: VT100 True Serial.	
	NOTE: Cat5e cables are required to connect Interface Adapters to Console Switches. Cat5e cables can be found at the following URL: http://www.hp.com/go/kvm	
	NOTE: For additional information regarding KVM switches, Serial Console servers, rack mount monitors, keyboards and all related options please see the following URL: http://www.hp.com/go/kvm	
HP Serial Console Server Options	HP 16-Port Serial Console Server (WW)	AF101A
	HP 48-Port Serial Console Server (WW)	AF102A
	Serial Adapter, RJ45-DB9 DCE Female, 1 Pack	AF103A
	Serial Adapter, RJ45-DB9 DCE Female, 8 Pack	AF110A
	NOTE: Cat5e cables are required to connect Interface Adapters to Console Switches. Cat5e cables can be found at the following URL: http://www.hp.com/go/kvm	
Service and Support Offerings (HP Care Pack Services)	Hardware Installation (Electronic)	U2871E

Compatibility Matrix

Rack Accessories		
	TFT7210 Rack mounted Monitor	Fits with included rackmount
	TFT7600 Rackmount Keyboard and Monitor	Fits with included rackmount
	1U Integrated Keyboard and drawer	Fits with included rackmount
	Roof Fan kit	Not supported
	HP Light kit	Not supported
	HP Plinth Kit	Not supported
	KVM Switches	Fits with included rackmount
	IP Console Switch	Fits with included rackmount
	HP UPS Products (rackmount)	Fits with included rackmount
	HP PDU	Fits with included brackets

HP ProLiant Servers		
	DL Series	Fits with included rackmount

NOTE: Scalable Bus Bar 240560-B21 will not fit in the 5642 rack with the rear door crossbar installed. The Mini Bus Bar, P/N 240559-B21, will fit as long as it is entirely above or below the crossbar.

	ML Series	Yes, rack mounting kit may be required
	BladeSystem Enclosures:	
	• HP BladeSystem c3000 Enclosure	Fits with included rackmount
	• HP BladeSystem c7000 Enclosure	Fits with included rackmount without the door

HP StorageWorks		
	MSA Family	Fits with included rackmount
	EVA 3000/4000/6000	Fits with included rackmount

HP 9000 Servers		
	rp2400	Fits with HP Rack System/E kit
	rp3400 series	Fits with HP Rack System/E kit
	rp4440	Fits with HP Rack System/E kit
	rp5400 series	Not supported
	rp7400	Not supported
	rp7405 / rp7410 / rp7420	Not supported
	rp8400 / rp8420	Not supported
	HP 9000 Superdome	Not supported

HP Integrity Servers		
	rx1600	Fits with HP Rack System/E kit
	rx2600	Fits with HP Rack System/E kit
	rx4640	Fits with HP Rack System/E kit
	rx5670	Not supported
	rx7620	Not supported
	rx8620	Not supported
	Integrity Superdome	Not supported
	HP Nonstop servers	Not supported

Technical Specifications

5642 Rack Physical Characteristics

Dimensions (HxDxW)	**Total Cabinet Area**	78.25 x 39.50 x 23.25 in (198.28 x 100.65 x 58.57 cm)
	Shipping (with packaging materials)	43 x 39.75 x 16 in (109.22 x 100.97 x 40.64 cm)
Weight	**Operating**	186 lb (84.55 kg)
	Shipping	229 lb (104 kg)
Load	**Static**	1500 lb (680 kg)
	Dynamic	Do not ship with equipment installed
Color	**Frame**	Metallic Carbonite

Environment-friendly Products and Approach	**End-of-life Management and Recycling**	Hewlett-Packard offers end-of-life HP product return, trade-in, and recycling programs in many geographic areas. For trade-in information, please go to: http://www.hp.com/go/green. To recycle your product, please go to: http://www.hp.com/go/green or contact your nearest HP sales office. Products returned to HP 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 web site at: http://www.hp.com/go/green. These instructions may be used by recyclers and other WEEE treatment facilities as well as HP OEM customers who integrate and re-sell HP equipment.