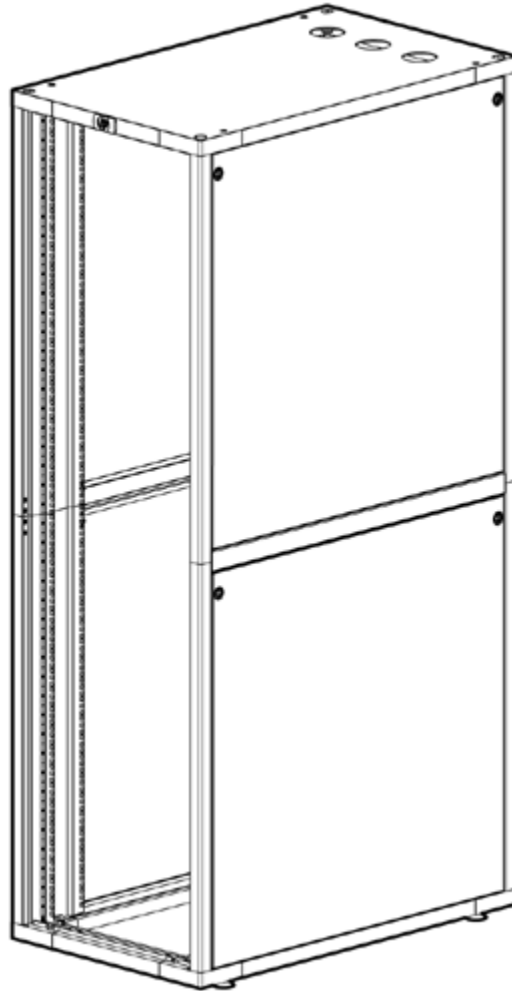


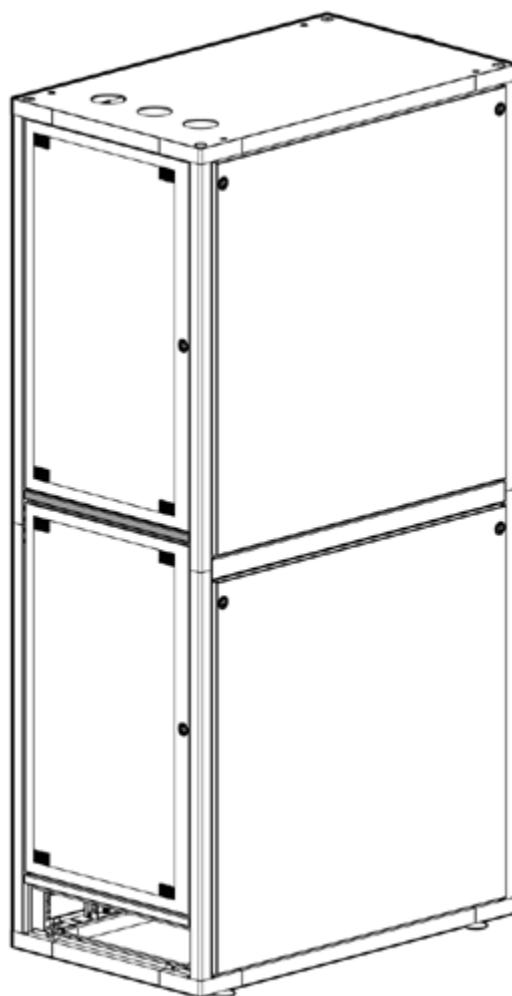
Overview

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

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.

***NOTE:** 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 freight 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.

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)	374499-B21
	NOTE: The baying kit is used to join two or more HP 5642 racks.	
	Stabilizer Kit for 5642 rack (Graphite Carbon)	374493-B21
	NOTE: The stabilizing kit is recommended for single rack deployments.	

Keyboard and Monitors	HP Front Door 5642 Rack ALL	376440-B21
	Baying Kit for 5642 rack (Graphite Carbon)	374499-B21
	NOTE: The baying kit is used to join two or more HP 5642 racks.	
	Stabilizer Kit for 5642 rack (Graphite Carbon)	374493-B21
	NOTE: The stabilizing kit is recommended for single rack deployments.	
	TFT7210R Rack Mounted 17" Monitor	348373-B21
	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	

Blanking Panels (Graphite)	1U Universal Blanking Panel kit (10 panels)	AF072A
	1U Universal Blanking Panel kit (100 panels)	AF073A
	NOTE: 0D1 will appear after the above selected part numbers on yours sales order if factory integration is indicated.	

Options

Low Voltage Modular PDU Model, 100 - 127 VAC	24A Model - mPDU, 24A, Low (NA/JPN)	252663-D71
High Voltage Modular PDU Models, 200 - 240 VAC	16A Model - mPDU, 16A, High (WW)	252663-B24
	24A Model - mPDU, 24A, High (NA/JPN)	252663-D72
	32A Model - mPDU, 32A, High (INT'L)	252663-B31
	40A Model - mPDU, 40A, High (WW)	252663-B21
	Fixed Cord Extension Bars, 100 - 240 VAC NOTE: Includes two PDU extension bars.	351655-B21
	Fixed Cord PDU, 100 - 240 VAC (NA/JPN) NOTE: Includes 4 PDU sticks + 24A HV PDU core with L6-30 plug.	351655-D72
	Fixed Cord PDU, 100 - 240 VAC (INT'L) NOTE: Includes 4 PDU sticks + 32A HV PDU core with IEC-309 plug.	351655-B31
HP Fixed Cord PDUs & Extension Bars (Zero-U/1U Modular PDUs)	Fixed Cord Extension Bars, 100 - 240 VAC NOTE: Includes two PDU extension bars.	351655-B21
	Fixed Cord PDU, 100 - 240 VAC (NA/JPN) NOTE: Includes 4 PDU sticks + 24A HV PDU core with L6-30 plug.	351655-D72
	Fixed Cord PDU, 100 - 240 VAC (INT'L) NOTE: Includes 4 PDU sticks + 32A HV PDU core with IEC-309 plug.	351655-B31
HP Monitored Power Distribution Units	HP Monitored Power Distribution Unit: Full Rack Version	
	HP 17.3 kVA S2324 Monitored PDU- dual input, 3-phase, 24A (NA/JPN)	370959-D71
	HP 8.3 kVA S1324 Monitored PDU- single input, 3-phase, 24A (NA/JPN)	370960-D71
	HP 16.6 kVA S2140 Monitored PDU- dual input, 1-phase, 40A (NA/JPN)	370961-D71
	HP 8.6 S1140 Monitored PDU- single input, 1-phase, 40A (NA/JPN)	370962-D71
	HP 22.1 kVA S2316 Monitored PDU- dual input, 3-phase, 16A (INTL)	370963-B31
	HP 11 kVA S 1316 Monitored PDU- single input, 3-phase, 16A (INTL)	370964-B31
	HP 14.7 kVA S2132 Monitored PDU- dual input, 1-phase, 32A (INTL)	370965-B31
	HP 7.4 kVA S1132 Monitored PDU- single input, 1-phase, 32A (INTL)	370966-B31
HP Monitored Power Distribution Unit: Half Rack Version		
HP 17.3 kVA S348 Monitored PDU- single input, 3-phase, 60A (NA/JPN)	AF916A	
HP 22 kVA S332 Monitored PDU- single input, 3-phase, 32A (INTL)	AF917A	
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

Options

Uninterruptible Power Systems - Rack	UPS R1500 XR - Low Voltage (US)	204404-001
	UPS R1500 XR - Low Voltage (JPN)	204404-291
	UPS R1500 XR High Voltage (INTL)	204404-B31
	Extended Runtime Module (ERM), R1500 XR (WW)	218971-B21
	HP UPS R3000, Low Voltage (US)	192186-001
	HP UPS R3000, Low Voltage (JPN)	192186-291
	HP UPS R3000, High Voltage (US)	192186-002
	HP UPS R3000, High Voltage (JPN)	192186-292
	HP UPS R3000, High Voltage (INTL)	192186-B31
	HP UPS R3000, High Voltage (INTL)	192186-B32
	HP UPS R3000, High Voltage (INTL)	192186-B33
	HP UPS R3000, High Voltage (INTL)	192186-AR1
	HP R3000 VA UPS, 2U, DTC, INTL	AF414A
	NOTE: Replaces non-RoHs compliant part numbers 192186-B31, 192186-B32, 192186-B33, 192186-AR1.	
	HP R3000 VA UPS, 2U, L5-30, NA	AF422A
	NOTE: Replaces non-RoHs compliant part number 192186-001.	
	HP R3000 VA UPS, 2U, L6-20, NA	AF423A
	NOTE: Replaces non-RoHs compliant part number 192186-002.	
	HP R3000 VA UPS, 2U, L6-20, JPN	AF424A
	NOTE: Replaces non-RoHs compliant part number 192186-292.	
	HP R3000 VA UPS, 2U, L5-30, JPN	AF425A
	NOTE: Replaces non-RoHs compliant part number 192186-291.	
	HP R3000 VA UPS, 2U, DTC, INTL	AF414A
	NOTE: Replaces non-RoHs compliant part numbers 192186-B31, 192186-B32, 192186-B33, 192186-AR1.	
	Extended Runtime Module (ERM), R3000 XR	192188-B21
	Extended Runtime Module, R3000, 2U	AF415A
	NOTE: Replaces non-RoHs compliant part number 192188-B21.	
HP R5500 UPS, High Voltage (US/JPN)	326529-D71	
HP R5500 UPS, High Voltage (INTL)	326529-B31	
HP R5500 VA UPS, INTL	AF416A	
NOTE: Replaces non-RoHs compliant part number 326529-B31.		
HP R5500 VA UPS, NA/JPN	AF426A	
NOTE: Replaces non-RoHs compliant part number 326529-D71.		
Extended Runtime Module (ERM), R5500 XR	326564-B21	
Extended Runtime Module (ERM), R5500	AF417A	
NOTE: Replaces non-RoHs compliant part number 326564-B21.		
HP UPS R12000 XR, N+ x (12KVA, 12KW) High Voltage (WW)	207552-B22	
ERM, R12000 XR Extended Runtime Module, High Voltage (US)	217800-B21	

Options

HP KVM Switch Options	Server Console Switch (KVM), 0 x 1 x 8 port	336044-B21
	Server Console Switch (KVM), 0 x 2 x 16 port	336045-B21
	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
	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	
	HP 1x4 USB/PS2 KVM Switch, TT (NA/JPN)	371301-D71
	HP 1x4 USB/PS2 KVM Switch, TT (AU/NZ)	371301-011
	HP 1x4 USB/PS2 KVM Switch, TT (UK)	371301-031
HP 1x4 USB/PS2 KVM Switch, TT (EU)	371301-A21	
HP 1x4 USB/PS2 KVM Switch, RM (ALL)	371302-B21	
HP PS2 KVM Cable with audio, 6', 2-pack	371730-B21	
HP USB KVM Cable with audio, 6', 2-pack	371729-B21	
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 (worldwide)	AF101A
	HP 48 Port Serial Console Server (worldwide)	AF102A
	Serial Adapter, RJ45-D89 DCE Female, 1-pack	AF103A
	Serial Adapter, RJ45-D89 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	
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		

Service and Support Offerings (HP Care Pack Services)	Hardware Installation (Electronic)	U2871E
--	------------------------------------	--------

Compatibility Matrix

Rack Accessories	TFT7210 Rack mounted Monitor	Fits with included rack-mount
	TFT7600 Rackmount Keyboard and Monitor	Fits with included rack-mount
	1U Integrated Keyboard and drawer	Fits with included rack-mount
	Roof Fan kit	Not supported
	HP Light kit	Fits with included rack-mount
	HP Plinth Kit	Not supported
	KVM Switches	Fits with included rack-mount
	IP Console Switch	Fits with included rack-mount
	HP UPS Products (rack-mount)	Fits with included rack-mount
HP PDU	Fits with included brackets	
HP ProLiant Servers	DL, BL Series	Fits with included rack-mount
	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
HP StorageWorks	MSA Family	Fits with included rack-mount
	EVA 3000/4000/6000	Fits with included rack-mount
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

© Copyright 2006 Hewlett-Packard Development Company, L.P.

The information contained herein is subject to change without notice.

The only warranties for HP 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. HP shall not be liable for technical or editorial errors or omissions contained herein.