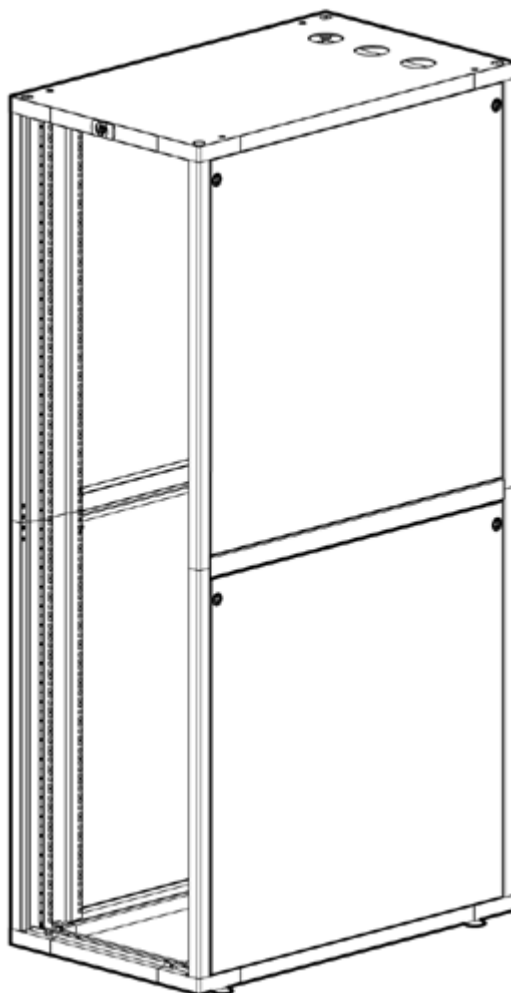


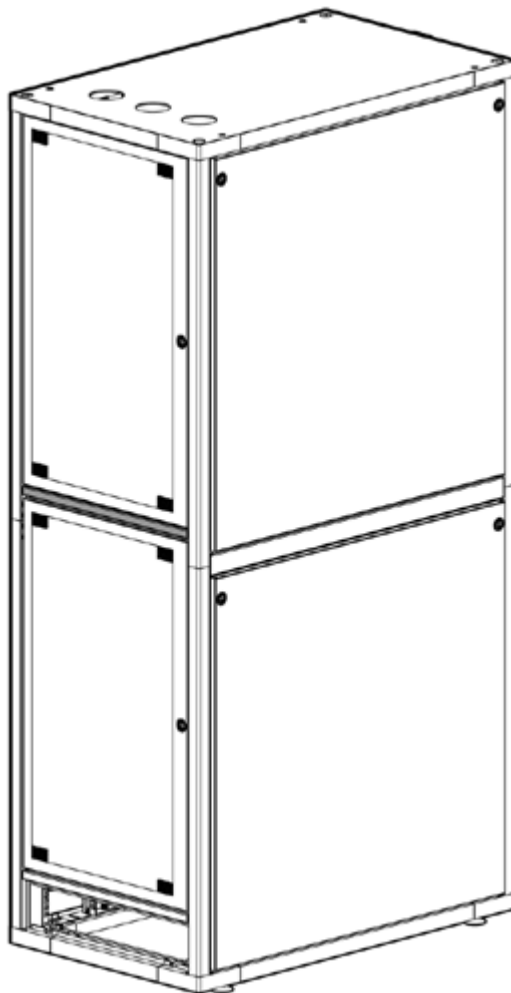
## Overview

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

## Overview

### 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.

\*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.

## 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)	374499-B21
	Stabilizer Kit for 5642 rack (Graphite Carbon)	374493-B21

**NOTE:** The baying kit is used to join two or more HP 5642 racks.

**NOTE:** The stabilizing kit is recommended for single rack deployments. The 10KG2 22u racks AF021A and AFO22A ships with Stabilization kit.

Keyboard and Monitors	TFT7600 Rackmount Keyboard and Monitor	AG052A
	HP TAA TFT7600 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
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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
	8.3 kVA Modular PDU, 40A	252663-B21

HP Two Fixed Cord Extension Bars	HP Two Fixed Cord Extension Bars	351655-B21
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**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.

## Related Options

HP Monitored Power Distribution Units	<b>HP Monitored Power Distribution Unit: Full Rack Version</b>	
	HP 17.3 kVA S2324 Monitored PDU- dual input, 3Ø24A	AF503A
	HP 8.6 kVA S1324 Monitored PDU- single input, 3Ø, 24A	AF504A
	HP 16.6 kVA S2140 Monitored PDU- dual input, 1Ø, 40A	AF505A
	HP 8.3 S1140 Monitored PDU- single input, 1Ø, 40A	AF506A
	HP 22.1 kVA S2316 Monitored PDU- dual input, 3Ø, 16A	AF507A
	HP 11 kVA S1316 Monitored PDU- single input, 3Ø, 16A	AF508A
	HP 14.7 kVA S2132 Monitored PDU- dual input, 1Ø, 32A	AF509A
	HP 7.3 kVA S1132 Monitored PDU- single input, 1Ø, 32A	AF510A
	<b>NOTE:</b> "Ø" = number of electrical phases at input.	
	<b>HP Monitored Power Distribution Unit: Half Rack Version</b>	
	HP 17.3 kVA S348 Monitored PDU- single input, 3Ø, 48A	AF916A
	HP 22 kVA S332 Monitored PDU- single input, 3Ø, 32A	AF917A
	HP 4.9 kVA S124 Monitored PDU- single input, 1Ø, 24A	AF914A
	HP 7.3 kVA S132 Monitored PDU- single input, 1Ø, 32A	AF915A
<b>NOTE:</b> "Ø" = number of electrical phases at input.		
HP UPS R1500 G2	HP, R1.5kVA UPS, 1U	AF419A
HP UPS R3000 Uninterruptible Power System	HP R3000 VA UPS, 2U, DTC	AF414A
	HP R3000 VA UPS, 2U, L5-30	AF422A
	HP R3000 VA UPS, 2U, L6-20	AF423A
HP R/T3000 Uninterruptible Power System (UPS)	HP R/T3000 UPS, Low voltage	AF452A
	HP R/T3000 UPS, High voltage	AF453A
HP Rack-Mountable R5500 UPS	HP R5500 VA UPS	AF416A
	HP R5500 VA UPS	AF426A
HP UPS R/T2200 G2 Models	HP R/T 2200 UPS	AF409A
HP Parallel 3 Phase Uninterruptible Power Systems (UPS RP36000/3)	HP RP36000/3 Uninterruptible Power System	AF438A

## Related Options

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.

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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
	<b>NOTE:</b> 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>

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HP Serial Console Server Options	HP 16-Port Serial Console Server	AF101A
	HP 48-Port Serial Console Server	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>

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Service and Support Offerings (HP Care Pack Services)	Hardware Installation (Electronic)	U2871E
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## 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) HP PDU	Fits with included rackmount Fits with included brackets
HP ProLiant Servers	DL Series	Fits with included rackmount
	<b>NOTE:</b> 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:	
	<ul style="list-style-type: none"> <li>HP BladeSystem c3000 Enclosure</li> <li>HP BladeSystem c7000 Enclosure</li> </ul>	Fits with included rackmount 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)	<b>Total Cabinet Area</b>	78.25 x 39.50 x 23.25 in (198.28 x 100.65 x 58.57 cm)
	<b>Shipping</b> (with packaging materials)	43 x 39.75 x 16 in (109.22 x 100.97 x 40.64 cm)
Weight	<b>Operating</b>	186 lb (84.55 kg)
	<b>Shipping</b>	229 lb (104 kg)
Load	<b>Static</b>	1500 lb (680 kg)
	<b>Dynamic</b>	Do not ship with equipment installed
Color	<b>Frame</b>	Metallic Carbonite

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<b>Environment-friendly Products and Approach</b>	<b>End-of-life Management and Recycling</b>	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: <a href="http://www.hp.com/go/green">http://www.hp.com/go/green</a> . To recycle your product, please go to: <a href="http://www.hp.com/go/green">http://www.hp.com/go/green</a> or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.
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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.

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