



Quality Products. Service Excellence.

Data Center Server Cabinet *H1 Series*

UL2416 rated to 3,000 lbs (1,360 kg). Seismic rated to 1,200 lbs (544 kg).



As seen on Linus Tech Tips. [Click here for video](#)

The H1 series is a server cabinet enclosure designed to be your most complete offering for Server, Network, and Data Storage applications. This series incorporates Hammond Manufacturing's practical open-design and manufacturing principles with legendary service, support, and reliability. H1 cabinets feature an array of enhancements over traditional cabinets, with cooling performance and enhanced security features demanded by today's IT manager.

Features

- Available in 42U, 45U, 48U, and 52U mounting heights.
- 24" Width Frame Features:
 - Generous cabling space
 - The cabinet top includes four (4) 3.5" wide cable entry holes.
- 30" & 31.5" Width Frame Features:
 - Mounting rails in 30" and 31.5" wide frames include "Bonus" 1U space for cable passthrough, rack equipment like 1U switches, patch panels or horizontal PDUs. You can pretty much use any 1U rack accessory.
 - The cabinet top includes four (4) 3.5" wide cable entry holes.
 - Support for vertical cable managers without obstructing mounting rails.
- Available in 42" and 48" overall depths.
- Two (2) large 4" x 7" knockouts (per side) for cable pass-through.
- Side panels are sold separately.
 - 42U and 45U are full-height panels.
 - 48U and 52U are split height panels.
- 48" depth cabinet includes:
 - Two (2) large 4" x 7" knockouts for cable entry knockouts at the front/top.
- C-channel struts provide cabinet strength, ease, and flexibility to adjust mounting rails.
- Surface-mounted doors allow for full mounting depth utilization and include a 4-pin combination locking swing handle.

Specifications

- The Cabinet frame is constructed in 14-gauge mild steel with 12-gauge mild steel reinforced corner brackets.
- Cabinet doors and optional side panels are constructed in 16-gauge mild steel.
- Square hole 19" mounting rails are constructed of 12-gauge mild steel, include rack unit indicators, and are powder coat finished.
- **UL Listed 2416 load rated** for up to 3,000 lbs (1,360 kg). Rolling caster load rated for up to 2,200 lbs (998 kg).
 - *Freestanding Racks are rated based on a four (4) x multiplier. $3,000 \times 4 = 12,000$. In this case, the Static Load is 12,000 lbs, and the UL2416 Load Rating is 3,000 lbs.*
- Seismic rated up to 1,200 lbs (544 kg) of dynamic load with an Ip factor of 1.5 in accordance with the IBC 2018, CBC 2019, NBC 2015, ASCE 7-16, and ASCE 7-10.



Data Center Server Cabinet (H1 Series) - Hammond Mfg.

Requires casters and leveling feet be removed and secured using a seismic bolt-down kit such as the **C4K-Z4** (sold separately).

- Grounding studs bonded to the frame, side panels, and doors. The front and rear studs on the cabinet frame conform to PET. The lower front and rear of the cabinet include dual 10-32 bonding studs in addition to 1/4-20 collard PET terminals.
- Finished in textured RAL9005 black or RAL9003 white powder coat. Complies with the Greenguard guidelines for indoor air quality.
- Meets PCI DSS (Payment Card Industry Data Security Standard) compliance requirements.
- TAA-compliant for federal GSA schedule purchases within the USA.
- RoHS Compliant.
- Manufactured in North America within an ISO 9001:2015 certified facility.

Included Components

- Welded steel frame with factory-installed nylon leveling feet, recessed casters and grounding studs.
- Two (2) pairs of adjustable depth EIA-compliant square hole punched mounting rails.
 - Starter pack of **CAGKIT1032-50** screws and cage nuts.
- One (1) perforated front door (79% open area vented) with a locking swing handle.
- One (1) perforated split/barn rear door (79% open area vented) with locking swing handle
- One (1) solid and one (1) brushed cable entry top panels are interchangeable.
- One (1) PDU cable tray is mounted in the rear.



Note: Cabinet side panels are NOT included and are sold separately. (See table below).



Note: If you're not using the bonus rack units and your equipment is not 4-post mounting, we suggest installing a 1U blanking panel to improve the stability of the rails.



Upgrade your cabinet to include Lifting Eye-Bolts with 2,000 lbs of lifting capacity. Ask your local representative for details.

Accessories

- Mounting Rack Rails
- Universal Rack Shelf
- Rack Equipment Installation Tool
- Adjustable Depth Front-To-Rear Cable Manager
- Horizontal Hinged Cable Manager
- Horizontal Finger Cable Manager
- Server Cabinet Top Panels
- We Manufacture PDUs and Outlet Strips
- Open Frame Rack and Rack Cabinet Joining Kit
- Exhaust Chimney
- H1 Server Cabinet Finger Cable Manager
- Rack Depth Label
- Adjustable Server Rack Shelf
- Horizontal Lacing Strip
- Horizontal Ring Cable Manager
- Hardware for Rack Mounting Solutions
- Bonding and Grounding
- Rack Panels
- Bolt Down Kit

H1 Cabinet Assemblies

Part No.	Part No.	Overall Dimensions			Rack Units	Additional In-Rail Rack Units	Usable Mounting Dimensions		Optional (Single) Side Panel Part No.	
		Height	Width	Depth			Height	Depth	RAL9005 Black	RAL9003 White
H12442U42BK	H12442U42WH	80.37	24.00	43.91	42U	-	73.50	39.00	H1SP42U42BK	H1SP42U42WH
H12442U48BK	H12442U48WH	80.37	24.00	49.91	42U	-	73.50	45.00	H1SP42U48BK	H1SP42U48WH
H13042U42BK	H13042U42WH	80.37	30.00	43.91	42U	12U	73.50	39.00	H1SP42U42BK	H1SP42U42WH
H13042U48BK	H13042U48WH	80.37	30.00	49.91	42U	12U	73.50	45.00	H1SP42U48BK	H1SP42U48WH
H13142U42BK	H13142U42WH	80.37	31.50	43.91	42U	12U	73.50	39.00	H1SP42U42BK	H1SP42U42WH
H13142U48BK	H13142U48WH	80.37	31.50	49.91	42U	12U	73.50	45.00	H1SP42U48BK	H1SP42U48WH
H12445U42BK	H12445U42WH	85.65	24.00	43.91	45U	-	78.75	39.00	H1SP45U42BK	H1SP45U42WH
H12445U48BK	H12445U48WH	85.65	24.00	49.91	45U	-	78.75	45.00	H1SP45U48BK	H1SP45U48WH
H13045U42BK	H13045U42WH	85.65	30.00	43.91	45U	12U	78.75	39.00	H1SP45U42BK	H1SP45U42WH
H13045U48BK	H13045U48WH	85.65	30.00	49.91	45U	12U	78.75	45.00	H1SP45U48BK	H1SP45U48WH
H13145U42BK	H13145U42WH	85.65	31.50	43.91	45U	12U	78.75	39.00	H1SP45U42BK	H1SP45U42WH
H13145U48BK	H13145U48WH	85.65	31.50	49.91	45U	12U	78.75	45.00	H1SP45U48BK	H1SP45U48WH
H12448U42BK	H12448U42WH	90.87	24.00	43.91	48U	-	84.00	39.00	H1SP48U42BK	H1SP48U42WH
H12448U48BK	H12448U48WH	90.87	24.00	49.91	48U	-	84.00	45.00	H1SP48U48BK	H1SP48U48WH
H13048U42BK	H13048U42WH	90.87	30.00	43.91	48U	12U	84.00	39.00	H1SP48U42BK	H1SP48U42WH
H13048U48BK	H13048U48WH	90.87	30.00	49.91	48U	12U	84.00	45.00	H1SP48U48BK	H1SP48U48WH
H13148U42BK	H13148U42WH	90.87	31.50	43.91	48U	12U	84.00	39.00	H1SP48U42BK	H1SP48U42WH
H13148U48BK	H13148U48WH	90.87	31.50	49.91	48U	12U	84.00	45.00	H1SP48U48BK	H1SP48U48WH
H12452U42BK	H12452U42WH	97.90	24.00	43.91	52U	-	91.00	39.00	H1SP52U42BK	H1SP52U42WH
H12452U48BK	H12452U48WH	97.90	24.00	49.91	52U	-	91.00	45.00	H1SP52U48BK	H1SP52U48WH
H13052U42BK	H13052U42WH	97.90	30.00	43.91	52U	12U	91.00	39.00	H1SP52U42BK	H1SP52U42WH
H13052U48BK	H13052U48WH	97.90	30.00	49.91	52U	12U	91.00	45.00	H1SP52U48BK	H1SP52U48WH
H13152U42BK	H13152U42WH	97.90	31.50	43.91	52U	12U	91.00	39.00	H1SP52U42BK	H1SP52U42WH
H13152U48BK	H13152U48WH	97.90	31.50	49.91	52U	12U	91.00	45.00	H1SP52U48BK	H1SP52U48WH

Includes Frame, Two pair of square hole rails, vented front door, vented split rear door, 1x solid top and 1x brushed top. Additional In-Rail Rack Units are 1U cutouts in the 30W and 31.5W rails that can be used for cable passthrough or you can mount 1U rack equipment. We like to think of them as bonus rack units.

H1 Top Panel Options

Use with Cabinet Width	Part No. Black	Part No. White	Description	Suggested Accessories
24	H1TS24BK	H1TS24WH	Solid	
30, 31.5	H1TS30BK	H1TS30WH	Solid	
24	H1TB24BK	H1TB24WH	Brushed side cable entry with center knockouts	
30, 31.5	H1TB30BK	H1TB30WH	Brushed side cable entry with center knockouts	
24	H1TC24BK	H1TC24WH	Fan Top (fits any C2T1923**)	C2T1923F4TBK1
30, 31.5	H1TC30BK	H1TC30WH	Fan Top (fits any C2T1923**)	C2T1923F4TLG1
24	H1TC24BK	H1TC24WH	Top Panel for Thermal air chimney (sold separately)	CLCH202215BK
30, 31.5	H1TC30BK	H1TC30WH	Top Panel for Thermal air chimney (sold separately)	CLCH202215BK
24	H1TR24BK	H1TR24WH	9U Rack accessory mounting	
30, 31.5	H1TR30BK	H1TR30WH	9U Rack accessory mounting	

H1 Bottom Panel Options

Part No. Black	Part No. White	Descriptions	Use with Cabinet Width	Use with Cabinet Depth
H1BS2442BK	H1BS2442WH	Solid with cable entry knockouts	24	42
H1BS2448BK	H1BS2448WH	Solid with cable entry knockouts	24	48
H1BS3042BK	H1BS3042WH	Solid with cable entry knockouts	30, 31.5	42
H1BS3048BK	H1BS3048WH	Solid with cable entry knockouts	30, 31.5	48

H1 Vertical Ring and Finger Managers

Compatible with H1 Cabinet		24" Width	30" Width	31.5" Width
Height	Vertical Ring Manager	Includes one (1) Finger Vertical without a Cover	Includes two (2) Finger Verticals with Cover	Includes two (2) Finger Verticals with Cover
42U	H1VRM42UBK	H1VFM42UBK	H1VFMC3042UBK	H1VFMC3142UBK
45U	H1VRM45UBK	H1VFM45UBK	H1VFMC3045UBK	H1VFMC3145UBK
48U	H1VRM48UBK	H1VFM48UBK	H1VFMC3048UBK	H1VFMC3148UBK
52U	H1VRM52UBK	H1VFM52UBK	H1VFMC3052UBK	H1VFMC3152UBK

Air Dam Kit

Compatible with H1 Cabinet Height	24" Width	30" Width	31.5" Width
42U	H1AD2442BK	H1AD3042BK	H1AD3142BK
45U	H1AD2445BK	H1AD3045BK	H1AD3145BK
48U	H1AD2448BK	H1AD3048BK	H1AD3148BK
52U	H1AD2452BK	H1AD3052BK	H1AD3152BK

PDU Tray

Compatible with H1 Cabinet Height	Part No. Black Finish	Part No. White Finish	Overall Dimensions	
			Height	Width
42U	H1PDU42UBK	H1PDU42UWH	64.75	6.94
45U	H1PDU45UBK	H1PDU45UWH	70.00	6.94
48U	H1PDU48UBK	H1PDU48UWH	75.25	6.94
52U	H1PDU52UBK	H1PDU52UWH	82.25	6.94

H1 Cabinet Bonding Kit

Part No.	Wire Gauge	Features
H1GRDKIT	10 AWG	Includes required cords to bond all cabinet components.

Tags: Server Rack Enclosure Cabinet, Rack Enclosure, Network Shelter, Net Shelter, Air Dam

Data subject to change without notice

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