

High-Performance Server Rack Cabinet (3,000 lb) *H1 Series*

Flagship data center server cabinet designed for high-density IT, network, and storage applications with advanced airflow, security, and scalability.



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

Key Features and Benefits

- 14-gauge mild steel welded frame with 12-gauge reinforced corner brackets and 16-gauge doors (UL2416 rated to 3,000 lb / 1,360 kg) provides maximum structural strength for server, network, and storage equipment.
- Flagship cabinet platform with enhanced airflow and security features supports high-density IT environments and demanding data center applications.
- Two (2) pairs of infinitely adjustable EIA-310 compliant square hole mounting rails (12-gauge steel) support flexible equipment installation and high-density configurations.
- Perforated front and split rear doors (79% airflow) support cooling requirements for active equipment.
- Surface-mounted doors with locking swing handle and security features support controlled access and full mounting depth utilization.
- Multiple width options (24", 30", 31.5") support cable management, vertical accessories, and high-density deployments without obstructing rails.
- Interchangeable top panels with cable entry and fan knockouts support airflow management and overhead cable routing.
- Integrated cable entry knockouts and vertical cable management support improve routing efficiency and scalability.
- Factory-installed leveling feet and recessed casters support flexible installation and positioning.

Compliance and Certifications

- **UL2416 listed** rack (3,000 lb load rating) ensures verified structural performance for high-capacity installations.
- Seismic rated to 1,200 lb dynamic load (IBC, CBC, NBC, ASCE standards) supports deployment in regulated and high-risk environments.
- Meets PCI DSS (Payment Card Industry Data Security Standard) supports secure data and payment system installations.
- TAA-compliant, manufactured in North America supports government procurement requirements and ensures consistent quality.
- Black or white powder coat finish (GREENGUARD, TSCA, RoHS compliant) supports indoor air quality and environmental compliance.

The H1 Series server rack cabinet is Hammond's flagship enclosure solution for data center, network, and enterprise IT environments. Constructed from heavy-duty steel and UL2416 rated to 3,000 lb, it delivers maximum strength, scalability, and performance.

With advanced airflow, integrated cable management, and enhanced security features, the H1 supports high-density deployments and mission-critical infrastructure requiring reliability and flexibility.





When another product may be a better choice

- When you need a pre-configured cabinet for faster deployment, consider our **C4RR_A** Series.
- When you need a cost-effective assembled cabinet for general IT applications, consider our **RB-DC** Series.
- When you need a multi-tenant or colocation cabinet with segmented access for shared environments, consider our **CLC** Series.

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. Includes. 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).



**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 Fixed Steel (Up to 200 lb Capacity)
- Rack Equipment Installation Tool
- Adjustable Depth Cable Manager Front to Rear Rack Cable Support
- Horizontal Hinged Cable Manager with Door
- Horizontal Finger Cable Manager with Cover
- Rack Cabinet Top Panels Solid, Cable Entry and Fan Panels
- We Manufacture PDUs and Outlet Strips
- Open Frame Rack and Rack Cabinet Joining Kit
- Exhaust Chimney
- Vertical Cable Manager with Door for H1 Server Cabinets
- Rack Depth Label
- Adjustable Server Rack Shelf
- Horizontal Cable Management Bar Steel Cable Support Bar
- Horizontal Cable Manager Ring Style
- Hardware for Rack Mounting Solutions
- Bonding and Grounding
- Rack Panels for Rack Optimization
- Bolt Down Kit

H1 Cabinet Assemblies

Part No.	Part No.	Overall Dimensions			Rack	Additional In-Rail	Usable Mounting Dimensions		Optional (Single) Side Panel Part No.	
RAL9005 Black	RAL9003 White	Height	Width	Depth	Units	Rack Units	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 Height	Vertical Ring Manager	24" Width Includes one (1) Finger Vertical without a Cover	30" Width Includes two (2) Finger Verticals with Cover	31.5" Width Includes two (2) Finger Verticals with Cover
42U	H1VRM42UBK	H1VFM42UBK	H1VPMC3042UBK	H1VPMC3142UBK
45U	H1VRM45UBK	H1VFM45UBK	H1VPMC3045UBK	H1VPMC3145UBK
48U	H1VRM48UBK	H1VFM48UBK	H1VPMC3048UBK	H1VPMC3148UBK
52U	H1VRM52UBK	H1VFM52UBK	H1VPMC3052UBK	H1VPMC3152UBK

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.

Where the series works best

- Data centers and enterprise IT environments.
- High-density server and storage deployments.
- Network infrastructure installations.
- Colocation and cloud environments.
- Applications requiring advanced airflow and security.

Applications and when to use the series

- Installations requiring high-performance server rack cabinets (3,000 lb capacity).
- Applications needing advanced airflow and cooling for active equipment.
- Environments where security and controlled access are critical.
- Deployments requiring scalable, high-density cabinet infrastructure.
- Installations where compliance and structural certification are required.

Tags: **server rack enclosure cabinet, high density cabinet, data center cabinet, network cabinet, IT cabinet, rack enclosure, server enclosure, freestanding cabinet, enterprise cabinet, equipment cabinet, rack cabinet, 19 inch cabinet** *Data subject to change without notice.*