High-Performance Server Rack Cabinet *H1 Series*

Hammond's flagship server rack cabinet for data centers and enterprise IT, with high airflow, integrated cable management, and flexible configurations.

UPDATED



> **Update:** New door design significantly improves door rigidity with a slight change in appearance. This is a rolling production change. (See gallery for visual details)

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

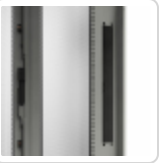
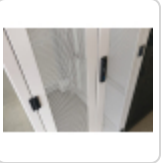
- Welded steel frame with factory-installed nylon leveling feet, recessed casters and grounding studs.
- Two (2) pairs of adjustable depth EIA-compliant square hole punched mounting rails. Includes. Starter pack of **CAGKIT1032-50** screws and cage nuts.
- One (1) perforated front door (79% open area 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.

As seen on Linus Tech Tips. Click here for video

Gallery




Accessories

- Mounting Rack Rails
- Universal Rack Shelf Fixed Steel (Up to 200 lb Capacity)
- Rack Equipment Installation Tool Patented Rack Rail Support
- 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
- Vertical Cable Manager with Door for H1 Server Cabinets
- Rack Depth Labels Adhesive Rack Rail Depth Identification Labels
- Adjustable Server Rack Shelf 550 lb Capacity 4-Post Rack Shelf
- Horizontal Cable Management Bar Steel Cable Support Bar
- Horizontal Cable Manager Ring Style
- Hardware for Rack Mounting Solutions
- Bonding and Grounding

- We Manufacture PDUs and Outlet Strips
- Universal Rack & Cabinet Joining Kit
- Exhaust Chimney
- Rack Panels for Rack Optimization
- Rack & Cabinet Bolt Down Kits

H1 Cabinet Assemblies

Part No. RAL9005 Black	Part No. RAL9003 White	Overall Dimensions Height	Width	Depth	Rack Units	Additional In-Rail Rack Units	Usable Mounting Dimensions Height	Depth	Optional (Single) Side Panel Part No. 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**	**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.

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.

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