

Product brochure

Eaton racks and enclosures



Powering Business Worldwide



Eaton offers a wide variety of server racks, enclosures and accessories for applications ranging from network edge to data center white space, including heavy-duty enclosures engineered for demanding AI applications.

FLOOR-STANDING ENCLOSURES

SmartRack enclosures pp. 4-5

Premium racks for a variety of IT and data center white space applications

- 12U to 52U
- Device depth up to 48"
- Support up to 3,500 lb.



SmartRack heavy-duty enclosures pp. 6-7

Next-generation racks engineered for GPU-intensive applications like generative AI

- 42U to 48U
- Device depth up to 54"
- Support up to 5,000 lb.



Paramount enclosures p. 8

Modular racks with optimized airflow for scalable, high-density data centers

- 42U to 51U
- Device depth up to 41"
- Support up to 3,000 lb.
- Made in the USA (TAA compliant)
- Seismic-rated enclosures available



Vantage S2 enclosures p. 9

Streamlined racks with flexible configurations for medium-density IT deployments

- 12U to 45U
- Device depth up to 41"
- Support up to 2,000 lb.
- Made in the USA (TAA compliant)



WALL-MOUNT ENCLOSURES

SmartRack wall-mount enclosures p. 10

Compact cabinets that do not require floor space

- 2U to 26U
- Device depth up to 36"
- Support up to 500 lb.



OPEN FRAME RACKS

SmartRack open frame racks p. 11

Cost-effective open frames with unrestricted cable access for network applications

- 8U to 58U
- 2-post, 4-post and wall-mount racks
- Support up to 3,500 lb.



B-Line series open frame racks p. 12

Economical racks with highly accessible designs for network/telecom equipment

- 10U to 77U
- Support up to 2,000 lb.
- 2-post, 4-post and wallmount racks
- Extensive array of cable management and other accessories
- Seismic-rated racks available



CUSTOM SOLUTIONS

Custom racks p. 13

Efficient customization to meet your requirements

- Floor-standing and wall-mount models
- Enclosures and open frame racks
- Quick turnaround



OPEN COMPUTE PROJECT SOLUTIONS

OCP ORV3 racks p. 14

Open Compute Project (OCP) ORV3 racks and power

- 39OU or 44OU
- Adaptable to 19" and 21" mounting
- Support up to 3,500 lb.



ACCESSORIES AND ADD-ONS

Complementary systems and rack accessories p. 15

Systems and accessories to optimize racks for your needs

- Cable management
- Airflow management
- Containment
- Data center cages
- Shelving, airflow management, blanking panel, configuration, mounting, grounding, security and environmental monitoring accessories



Data center white space solutions p. 16

Complete solutions for data center white space applications

- UPS systems
- Power distribution units (PDUs)
- Busway systems
- KVMs and console servers
- Cables and connectivity
- Cooling solutions
- Brightlayer software



SmartRack enclosures

Premium racks for a variety of IT and data center white space applications



- 12U to 52U
- Device depth up to 48" and width up to 800 mm (31.5")
- Weight capacity up to 3,500 lb.
- Toolless mounting for vertical PDUs

House critical equipment

Eaton Tripp Lite series SmartRack® enclosures have sturdy steel frames and locking cabinets to secure and organize up to 3,500 lb. of 19" rack equipment. They provide safe homes for servers, storage and network hardware in applications from the network edge to data center white space.

Provide efficient cooling

Front-to-rear airflow supports efficient hot-aisle/cold-aisle configurations and exceeds server manufacturer requirements to keep equipment operating reliably.

Support diverse applications

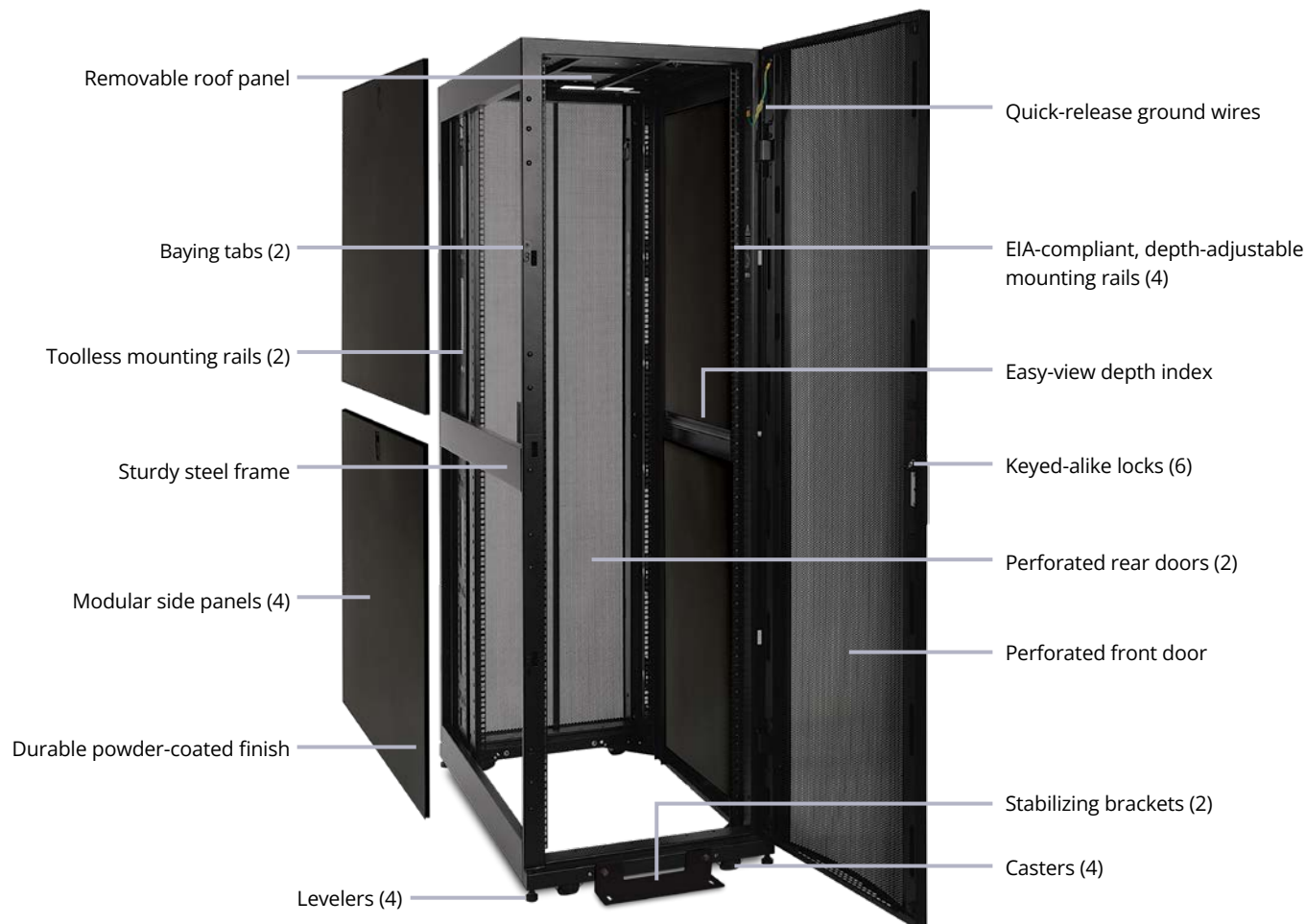
Many heights, widths, depths and other variations are available, with a wide range of configuration options.

Make your job easier

Little details that make small tasks quicker and easier add up to big benefits over the workday. Enclosures arrive ready for rapid deployment and roll into place on sturdy casters. Features like quick-adjust mounting rails, modular side panels and toolless mounting slots for vertical PDUs and cable managers facilitate installation and configuration. Seamless compatibility with all EIA-standard 19" rack equipment ensures trouble-free setup.



Standard-width, standard-depth cabinet with side panels



Premium racks for a variety of IT and data center white space applications



Learn more at [Eaton.com/SmartRack](https://www.eaton.com/SmartRack)

SmartRack heavy-duty enclosures

Next-generation racks engineered for GPU-intensive applications like generative AI



- 42U to 48U
- Device depth up to 54" and width up to 800 mm (31.5")
- Weight capacity up to 5,000 lb.
- Support for liquid cooling

House next-gen servers

Standard rack enclosures struggle to hold deeper, heavier, hotter GPU-based servers for AI applications. Eaton heavy-duty SmartRack enclosures support up to 5000 lb. and provide up to 54" of usable depth to house the next generation of ultra-high-density servers while providing ample space for liquid cooling.

Build the sturdiest foundation

Eaton heavy-duty SmartRack enclosures have been specially designed for ultra-high-density applications. The weight-bearing structure includes thicker steel, more welds and extra supports to provide a rock-solid foundation for current and future AI data centers.

Keep hot servers cooler

Optimized hexagonal door ventilation (~80% open pattern) provides enhanced airflow. There is also more interior space available for liquid cooling, high-density cabling and high-capacity rack PDUs.

Extra-wide, extra-deep cabinet with side panels



- 1 **Side panels** (lockable, removable)
- 2 **Front door** (lockable, removable, reversible) Vented door enables airflow through the rack.
- 3 **Heavy-duty casters and levelers**
- 4 **Adjustable front and rear mounting rails with square holes** Easy-view depth index facilitates adjustment. Rails on wide enclosures have pass-throughs with brush strips and toolless mounting slots.



- 5 **Mounting rails with toolless mounting slots** Mount vertical PDUs and cable managers.
- 6 **Roof panel** (removable) Pass-throughs with brush strips accommodate cables from vertical PDUs and other equipment.
- 7 **Split rear doors** (lockable, removable) Vented doors enable airflow through the rack.

Paramount enclosures

Modular racks with optimized airflow for scalable, high-density data centers



- 42U to 51U
- Variety of depths and widths
- Weight capacity up to 3,000 lb.
- Made in the USA (TAA compliant)
- Seismic-rated enclosures available

Protect mission-critical systems

Eaton Paramount enclosures provide robust steel construction and advanced airflow management. Designed for enterprise-grade reliability, they provide a secure environment for servers, storage and networking gear in demanding data center applications.

Optimize airflow and thermal management

Engineered for high-density cooling, Paramount enclosures support airflow optimization and advanced containment strategies. They help maintain ideal operating temperatures, even under heavy loads, reducing energy costs and improving system longevity.

Paramount enclosures offer many different options for optimizing airflow for your application.



Learn more at [Eaton.com/Paramount](https://www.eaton.com/Paramount)

Vantage S2 enclosures

Streamlined racks with flexible configurations for medium-density IT deployments



- 12U to 45U
- Variety of depths and widths
- Weight capacity up to 2,000 lb.
- Made in the USA (TAA compliant)

Support flexible configurations

Eaton Vantage S2 enclosures provide a cost-effective, versatile platform designed to keep pace with rapidly evolving IT environments. The modular design offers easy upgrades—doors, side panels and tops can be modified as IT needs evolve.

Deliver efficient airflow and cooling

Fully perforated front and rear doors exceed major server manufacturers' airflow requirements, supporting efficient front-to-rear cooling. For high-density deployments, Eaton's Heat Containment System (HCS) can be integrated to reduce energy costs and improve reliability without additional CRAC units.



SmartRack wall-mount enclosures

Compact cabinets that do not require floor space



- 2U to 26U
- Device depth up to 36"
- Weight capacity up to 500 lb.

Secure equipment in minimal space

Eaton Tripp Lite series SmartRack wall-mount enclosures are perfect for locations with limited floor space. EIA-compliant rails mount standard 19" rack equipment. Models are available in a variety of heights from 2U to 26U and a variety of depths optimized for equipment ranging from shallow patch panels to deep servers. NEMA-rated cabinets secure equipment in harsh commercial/industrial environments indoors and out.

12U cabinet with hinged back



Learn more at [Eaton.com/SmartRackWall](https://www.eaton.com/SmartRackWall)

SmartRack open frame racks

Cost-effective open frames with unrestricted cable access for network applications



- 8U to 58U
- 2-post, 4-post and wallmount racks
- Weight capacity up to 3,500 lb.

Organize equipment and cabling economically

Eaton Tripp Lite series SmartRack open frame racks provide economical organization for servers and network/telecom equipment in secure areas.

The open design facilitates cable routing and access for networking applications. Sturdy aluminum (2-post) or steel (4-post) frames include toolless mounting slots for vertical PDUs and cable managers.

2-post open frame racks

- 8U to 45U
- Weight capacity up to 2,000 lb.



4-post open frame racks

- 12U to 58U
- Weight capacity up to 3,500 lb.



Learn more at Eaton.com/SmartRackOpen

B-Line series open frame racks

Economical racks with highly accessible designs for network/telecom equipment



- 10U to 77U
- 2-post, 4-post and wallmount racks
- Weight capacity up to 2,000 lb.
- Extensive array of cable management and other accessories
- Seismic-rated racks available

Provide cost-effective access

Eaton B-Line series open frame racks deliver a lightweight, durable structure for network closets and telecom rooms where unrestricted cable access is imperative. Their open design simplifies equipment installation and maintenance while reducing overall deployment costs.

Adapt to diverse applications

Available in two-post and four-post configurations, B-Line racks feature self-squaring frames with tapped assembly holes for quick installation. Seismic-rated models meet industry shock and vibration standards, ensuring reliability in critical environments. Unequal flange models support switching and transmission equipment. An extensive array of cable management, runway, grounding, mounting and other accessories adapt racks to a wide variety of applications and environments.



B-Line open frame racks can adapt to any network/telecom environment.

Learn more at [Eaton.com/B-LineRacks](https://www.eaton.com/B-LineRacks)

Custom racks

Efficient customization to meet your requirements



- Floor-standing and wall-mount models
- Enclosures and open frame racks
- Quick turnaround prevents project delays

Tailor solutions to your needs

If off-the-shelf models are not quite right for your application, contact us to discuss a custom rack solution. Our in-house product management and engineering teams will collaborate with you to match your technical specifications, cost requirements, facilities, personnel and policies.

Customize key features

Customizable rack features include height, width, depth, doors, roof, rails, side panels, casters, color, airflow, cooling, containment, IP/NEMA rating, seismic rating, cable management, partitioning, shelves, locks, sensors, power and packaging.



Our team can often ship custom racks faster than competitors can ship their standard racks.

OCP ORV3 racks

Open Compute Project (OCP) ORV3 racks and power



- 390U or 440U
- Adaptable to 19" and 21" mounting
- Weight capacity up to 3,500 lb.

Combine the latest innovations with off-the-shelf convenience

Eaton's preconfigured ORV3 rack and power solutions allow you to deploy the latest Open Compute Project (OCP) ORV3 innovations for testing or production without making a costly engineering commitment. Eaton's reference designs are also fully customizable to meet the needs of individual customers and IT environments.

Solutions include ORV3 racks, power shelves, power supply units (PSUs), battery backup units (BBUs) and a full range of accessories. Power shelves and BBUs are designed to fit the Nvidia 19" rackmount profile, with 21" adapters available. This provides flexible solutions for standard OCP compute or AI workloads.



Complementary systems and rack accessories

Systems and accessories to optimize racks for your needs



Aisle containment systems

Contain hot or cold air to maintain optimal operating temperatures while increasing cooling performance and efficiency.

Rack containment systems

Contain and direct the heat exhaust of your IT equipment from your enclosure to a plenum ceiling or high air return.

Data center cages

Subdivide areas within colocation data centers or provide higher levels of security in server rooms and enterprise data centers.

Cable management

Route and organize high-density network and power cabling inside and outside racks to help prevent installation errors, airflow obstructions and cable damage while facilitating network changes and troubleshooting. Solutions include rack-mounted rings and finger ducts, ladders, trays, channels, baskets, runway, supports, j-hooks and cable hooks. Eaton Tripp Lite series and B-Line series solutions are available.

Additional rack accessories

A variety of shelving, airflow management, configuration, mounting, grounding, security and environmental monitoring accessories are available to optimize and adapt racks for a wide variety of applications.

Learn more at [Eaton.com](https://www.eaton.com)

Data center white space solutions

Complete solutions for data center white space applications



UPS systems

Rackmount and floor-standing UPS systems provide manageable power and reliable VRLA or lithium-ion battery backup for loads up to 2,250 kW.

Power distribution units (PDUs)

Rack PDUs up to 46 kW (> 46 kW coming soon) and floor-standing PDUs up to 2,000 kVA provide high-capacity data center power distribution. Static transfer switches and remote power panels are also available.

Busway systems

Configurable overhead power distribution with intelligent monitoring delivers power to racks throughout your data center.

KVMs and console servers

Access and control servers and other IT equipment locally or remotely.

Cables and connectivity

Copper and fiber network cables and patch panels enable high-speed networks. NEMA and IEC power cords provide dependable power connections in demanding environments.

Cooling solutions

Portable, in-row and rackmount cooling solutions reduce energy costs and increase the lifespan of your IT equipment. Liquid cooling systems for AI servers and other ultra-high-density heat loads are coming soon.

Brightlayer software

Monitor and manage IT and facility assets to improve performance, optimize efficiency and help prevent downtime 24/7.

Learn more at: [Eaton.com/racks](https://www.eaton.com/racks)