

PlusFLEX Server Rack Cabinet

Performance | Reliability | Sustainability



Shaping the Future of Data Center Infrastructure

5000 lbs.

Load Capacity

AirSeal

Cooling Efficiency

Flush-Mounting

Front/Rear Channels

Excess Cabling

Integrated CM Conduit

Modular

Speedy Deployment

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Key Features & Benefits

Modular Flexible Racks

- Deep, lightweight framework offering enhanced stability: 25% lighter, 25% stronger.
- 5,000 lb static / 3,000 lb dynamic load.
- Available in 42U, 45U, 48U, 52U and customized up to 56U/2600mm for optimal space utilization.
- Aisle containment systems compatible.

Best-in-Class Energy Efficiency

- AirSeal design ensures high cooling performance with optimal airflow management.
- Minimizes bypass airflow and recirculation, enhances rack-to-rack sealing.
- Trimmable grommet-sealed cable openings facilitate swift installation while preserving the seal.
- Doors 78% perforated.

Advanced Cable Management

- Suitable for excess cabling (3000+ Cat 6 cables).
- Integrated finger duct cable management conduit.
- 31.5 in (800mm) wide cabinets offer extra mounting space with swing door or brush modules to ensure air sealing and cable access.
- Roof panel supports overhead cabling and airflow containment.

Streamlined Installation

- Rear flush-mounting Zero-U accessory channels.
- Internal access leveling feet.
- Multi-tiered side doors.
- Effortless docking & baying.

Speedy Deployment

- Pre-assembled solution for quick implementation.
- Customized, knock-down packaging for on-site assembly, saving time and delivery.



Roll-formed vertical rails, galvanized with built-in automatic potential equalization

Deep frame and reinforced fastening for enhanced rigidity, load capacity, and unrivaled lightness

The AirSeal design reduces bypass airflow and recirculation, even with rail adjustments

Rear accessory channels for zero-U flush mounting of PDUs and cables without disrupting airflow

Swing /brush modules ensure air sealing and cable pass-through in 800mm-wide cabinet

Cable fingers and grommet-sealed cable entry points along the vertical rails

Cables route through horizontal troughs along the edge of rack

Heavy-duty casters and internally accessible leveling feet

AEONS BOREALIS™ Hybrid Cooling System



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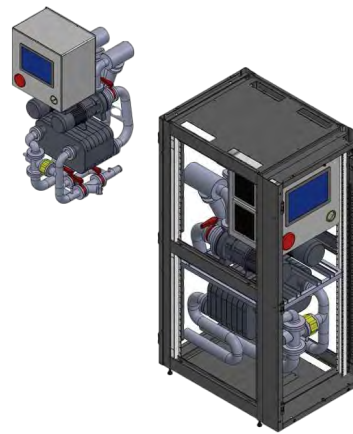
Future-Proof Cooling Infrastructure for AI, HPC & Data Centers

- Industry-Leading Efficiency
- AI-driven Maximum Performance
- Modular, Plug-and-Play Scalability
- Intelligent Control System
- Direct-to-Chip & Immersion Compatibility
- Smart Monitoring & Leak Detection



In-Row CDU Cooling Unit

1+1 pump drive configuration
Hybrid EC cooling up to 60% energy savings
Modular and Scalable
Standard cabinet width
Containerized, edge-ready design
Air-cooled max. cooling capacity of 100kW
Liquid-to-Liquid cooling capacity ranges from 100-1800kW
Supports multi-rack and pod-based deployments (scalable up to 1MW+)
Waste heat recovery options

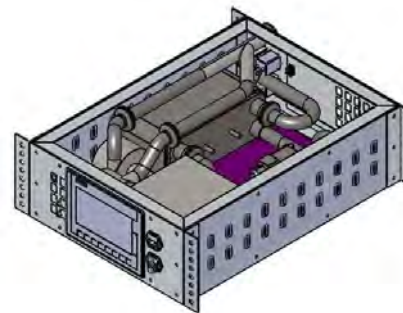


Rear Door Heat Exchanger (RDHx)

Passive or Active configurations
Cooling capacity 11kW (Passive) and 25kW (Active)

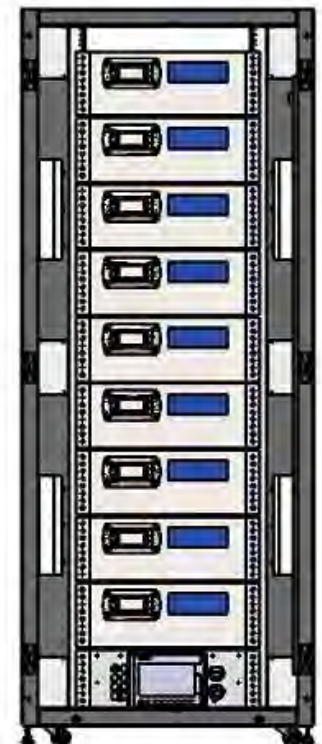
CDUs

Air-to-liquid and liquid-to-liquid heat exchange
4U/6U/10U sizes
Purification and automatic fluid replenishment
Compatible with pure water coolant applications
Cooling capacity of 50- 200kW
precision flow regulation.
N+1 Redundant Pump Configuration
Real-Time Monitoring & Adaptive Controls



Manifold and Cold Plate

Stainless steel manifold and quick disconnects
Coolant: Glycol, Water



NetMax Wall Mount Cabinets

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Turn-key solutions

For secure and orderly storage of ICT equipment in areas with limited floor space. The NetMax wall-mount server and network rack solutions offer easy installation, serviceability, and a sleek, functional design. Vented frames and optional cooling fans kits ensure optimal performance, making them ideal for Edge environments.

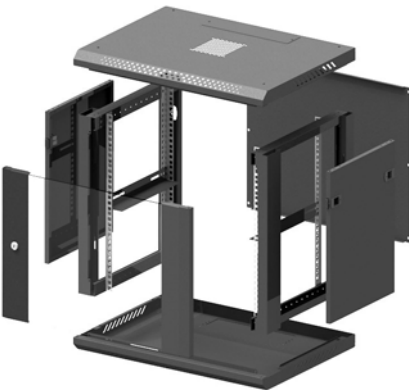
Space-Saving Design and Easy Access to Equipment



Rear-Hinged Z-Series Enclosure adopts a convenient swing-out, double-section design that not only secures equipment but also facilitates easy access for serviceability.



Single-Hinged W-Series Enclosure is characterized by its fully welded single-section construction and ships fully assembled, offering versatility and ample space to mount deep equipment in Edge applications.



Flat-packed P-Series Enclosure features a knock-down design for storage and delivery efficiency, enabling swift assembly for convenient on-site deployment.



Low-profile vertical-mount SWF-Series Enclosure saves space by extending only minimally from the wall while housing the length of your equipment vertically. Sturdy welded construction with lockable top and reversible door, and provisions for cable routing and cooling fan kit.



Compact side-mount SWS-Series Enclosure provides an excellent solution for deploying server and networking equipment for Edge applications. Features a low-profile design with high weight capacity, wall mount or floor standing with casters for added mobility.

Advantages

Equipment Security

- Sturdy, rugged welded frame construction with durable powder coating finish.
- Reinforced, lockable door and side panels ensure equipment's security.
- Lock and key on the front door, side panels and rear section for swing-out version.
- High airflow vent pattern and optional cooling fans provide excellent air ventilation.

Easy Installation and Access to Equipment

- Front and rear equipment mounting rails are adjustable in 1/2 in (12.7 mm) increments.
- Double Section Swing-out design enables easy access and service to the rear of installed equipment.

Cable Management

- Top, bottom and rear panels have cable pass-through with covers for neat cabling.

Contemporary Aesthetic Design

- Sleek design with multiple door styles.
- Removable and reversible door and side panel design, each with quick-release mechanism.
- Wall mounting or floor standing with optional casters to turn it into a mobile rolling rack.

Quick Deployment

- Available in a variety of sizes and depths to support equipment needs.
- Ships fully assembled or knock-down kit for quick deployment to job sites.

NetMax Open Frame Racks

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Two-Post Open Frame Racks

The optimal choice for an efficient and cost-effective storage solution supporting networking equipment and patching applications in telecommunications and equipment rooms with limited floor space. These open frame racks provide unobstructed airflow, easy access to installed equipment, and can be paired with high-density vertical cable managers.



Specifications

Description	• Efficient, cost effective racks ideal for networking equipment in limited space. • For indoor use, in environmentally controlled areas
Available Sizes	• Widths: 20.3" (516mm) , 24.3" (617mm) • Depths: 15" (381mm), 18" (457mm) • Heights: 12U to 45U and customizable height
Package Includes	• Equipment mounting rails (2) • Top angle (2) • Bottom angle (2) • Optional casters and cable management rings • Screws for equipment mounting
Construction	• Bolted assembly • Ships unassembled

Advantages

Modular Flexible Rack

Supports up to 1,100lb (500kg) of equipment. It accommodates 19"W EIA or 23"W rack-mount equipment or shelves. Available in several heights, it ensures an easy and marked attachment process to front or rear of 3"D (76mm) or 6"D (152mm) vertical mounting channels with screws.

Diverse Application

Discover a smart and economical storage solution with the Standard Rack, perfect for patch panels and network switches. Offering a space-saving alternative to cabinets or four-post racks, it excels in telecommunication and equipment rooms with limited floor space.

Streamlined Installation

Assembled in around 10 minutes, the unassembled racks arrive in a compact carton. For stability, two-post racks require secure attachment to the building structure. Pre-punched base angles streamline floor attachment.

Cable Management

In applications requiring comprehensive cable management, our vertical cable managers seamlessly attach to the rack's side. Organizing cables by U, these managers simplify network adjustments. The optimal solution involves strategically placed horizontal managers between patch panels and network switches for a streamlined and efficient network infrastructure.

Equipment Support	• C-shaped equipment mounting channels • Compliant: 19" EIA (17-3/4" clearance), 23" (21-3/4" clearance), • 1-3/4"H (44.5 mm) U spacing, marked and numbered. Universal 5/8"-5/8"-1/2" (15.9 mm – 15.9 mm – 12.7 mm) vertical hole spacing • Threaded #12-24 equipment mounting holes
Load Capacity	• 800lb (360kg) and 1,100lb (500kg) of equipment; Rack must be properly secured to floor
Materials	• Aluminum extrusion • SPCC Steel
Finish	• Powder coat paint on frames. Available in Black (RAL9004) or Light Gray (RAL7035)

Adjustable Four-Post Open Frame Racks

Ensures robust support for rack-mount servers and data storage equipment, making it suitable for deployment in data centers or computer equipment setups. Enhanced strength and features include adjustable mounting depth, improved cable management options, and increased flexibility.



Specifications

Description	- Four-post frame equipped with square-punched or threaded mounting holes serves to accommodate 19" wide rack-mount equipment - For indoor use, in environmentally controlled areas	Equipment Support	- Front and rear C-shaped equipment mounting channels 19"W, EIA-310-D Compliant 1-3/4"H (44.5 mm) U spacing, marked and numbered. Universal 5/8"-5/8"-1/2" (15.9 mm – 15.9 mm – 12.7 mm) vertical hole spacing - Adjustable depth at assembly - Square cage nut and screws for equipment mounting
Available Sizes	- Widths: 20.3" (516mm) - Depths: Adjustable from 22" to 40" front-to-rear in 1" (25mm) increments - Heights: 12U to 45U and customizable height	Load Capacity	1,320lb (600kg) of equipment
Package Includes	- Mounting rails (4) - Horizontal braces, three-sectional, adjustable (4) - Top and Bottom bracket (4) - Casters (4) - Cable hooks, x12 - 28	Materials	- SPCC Steel - Bolted assembly. Ships unassembled
		Finish	Powder coat paint on frames in Black (RAL9004) or Light Gray (RAL7035)

Advantages

Modular Flexible Rack

supports up to 1,300 lb (800 kg) of EIA 19" rack-mount equipment or shelves. The C-shaped equipment mounting channels, coupled with four sectional brackets, facilitate front-to-rear adjustment of the mounting depth up to 40 inches in 1-inch increments, meeting the specific requirements for mounting computer servers and data storage equipment.

Diverse Application

Robust and cost-effective solution to support rack-mount network, computer server, and data storage equipment in various IT environments such as data centers and computer equipment rooms. Combining the strength and stability with an open four-post frame, these racks ensure easy access to equipment and cabling.

Streamlined Installation

User-friendly, with marked and numbered channels for easy equipment positioning and adjustment. Additionally, it provides optional side-mountable Equipment Support Rails without consuming extra rack-mount space. Rack's base is pre-punched for convenient floor attachment.

Cable Management

Cabling Sections (vertical cable managers), and overhead Cable Runway (ladder rack), providing versatile solutions for equipment storage.