



Network Equipment Racks & Accessories

MICROLINK Racks & enclosures are heavy-duty with fully welded frames especially designed for Data centres, Server rooms and communication rooms.



2024 PRODUCT CATALOG

Enclosures

Power

Cooling

Accessories

Custom





Our Enclosures Are Anything But American Standard Only

At MICROLINK NETWORKS we develop, innovate high quality Infrastructure Racks & Enclosures to help you to build your advance and secure Network infrastructure to achieve your objectives.

We design and builds top quality off the shelf, modified standard, and custom rack mount enclosures, server racks and cabinets for a wide variety of applications. Data center and facilities managers with unique requirements rely on us to supply non-standard or custom equipment. Unlike other suppliers who offer only pre-made stock products, we design and manufacture custom server racks, enclosures, power and cooling solutions to meet our customers' needs.

Our philosophy is based on continuous improvement, manufacturing excellence, and never stop getting better.our products are tested to comply with strict CE, FCC, TIA/EIA and UL Standards.





MICROLINK Enclosures Product Catalog

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SMART X DC

Features of the Smart X Data Center

Smart X DC Data Center solutions; Data Centers, which stand out with their design and new technology; It stands out with its low cost, fast installation and energy efficiency. Microlink Networks Smart X DC is the right and low cost product for your solutions.

Fast on-site installation: Installation and use immediately upon delivery, thanks to the ready-to-use integrated product.

Low Installation Cost: It significantly reduces the initial investment cost compared to Traditional Data Centers.

Increased Energy Efficiency: Significantly reduces cooling and power operation costs

Adaptable System Structure: It can be easily customized according to your cooling and power needs.

Energy Saving: You do not need to cool the entire IT room, only Smart X DC cabinet cooling system with the same brand air conditioner

Modular System: Smart X DC structure that can be added in line with the increase in Data Center needs.

Portable: Smart X DC can be easily moved to different locations thanks to its castable feature.

Security: Keeps data of high importance in a secure environment. Increases data and hardware protection.

Fire: It guarantees 7/24 business continuity with integrated fire detection-extinguishing and environment monitoring (EMS) systems.

Maintenance: The possibility of minimizing data center maintenance labor and costs thanks to its compact structure.

Plug and play System: Limited Operation Factory ready-to-install system with all components and tests.

Standardization: Standard solution for all your branches. It limits the risk of human errors and reduces operating and maintenance costs.

Reduces the need for IT Personnel: You do not need to have an IT specialist for each location.

Remote Access: Smart X DC, Data Center can be remotely controlled wherever you are with IP infrastructure.

Economical Solution for Small Business: You do not have to worry about a complex Data Center design and installation work.

Carrying Capacity: The Smart X DC Data Center has a carrying capacity of 1500kg.

Smart X Data Center Usage Areas

Small and Medium Enterprises (SMEs)

Branches of financial institutions (Banks, Agencies etc.)

Data centers that require Quick Setup

Branches of state institutions and organizations (Police, Army, Schools, Electricity, Water companies, etc.)

Companies looking to connect to the cloud instead of investing in a large data center

Telecommunication and

GSM companies'

headquarters and

exchange offices

Remote locations where data center specialists are not available

Manufacturing companies for automation control and IT services

Disaster and emergency prevention centers.

For mobile daily temporary locations





Smart X DC Data Center solutions, Rack Cabinet, front cover integrated digital 7" control screen UPS, product-specific cooling system, no installation gasless Aerosol fire detection and extinguishing system, IP-PDU (power distribution unit) electronic lock system It is an integrated stand-alone data center solution that combines environmental monitoring systems (EMS) and environmental monitoring systems on a single platform. With the remote monitoring feature, the data centers in the head offices and branches are monitored regardless of people, and the system is ensured to operate at the highest level with uninterrupted security.



Smart X DC Data Center solutions; The initial installation cost significantly reduces costs when compared to data centers built with traditional methods (Construction works, raised floors, cable carriers, wall-mounted air conditioning systems and piping). It will enable current and future users to easily access the cloud system and benefit from the flexible and fully supported structure.



FORCE X DC



FORCE X DC



19" NET MOUNT

The 19" mount concept has been fully redesigned to ensure **optimum cable organization** of the equipment. The mount has a number of strategically placed holes which provide great versatility in the location of **cable management accessories**, such as **protective frames**, **rollup spools** and **horizontal management fingers** for each 19" unit.

SIDE CABLE TRAYS

The cables running down inside the rack are supported by the cable tray which, in combination with the fingers, the grommet rings and the rollup spools, assist in the correct **distribution of the inner cabling**. The location of the tray in the cabinet is fully adapted to the cable entry, allowing smooth, continuous flow of the cables, with no sharp bends.



CABLE ACCESSORIES

The new FORCE-X DC has a wide range of accessories that assist in **managing and arranging the rack cabling**. Different section grommet rings, horizontal management fingers, optic fiber rollup spools, -1side and -2sides 19" horizontal organizers with rings, protective frames..., all of them made of plastic and with rounded edges to avoid harming the cables

FORCE X DC



SECURITY

FORCE-X DC

The new FORCE-X DC door is lighter and more rigid than the previous version. It comes with a **1 point lock** as a standard feature. The lock system can be extended to **four points as an option** when required by security specifications. The **wide range of locks** meets all the possible requirements of a data processing center. Available models include **single-key** or **master-key locks**, **mechanical combination locks** with or without key, **manual pushbutton locks** and **electromechanical locks**, ideal for **connecting to the facility's BMS**.



For **enhanced security and active control**, the range of locks is complemented with the new **FRC-GUARD** access control system.



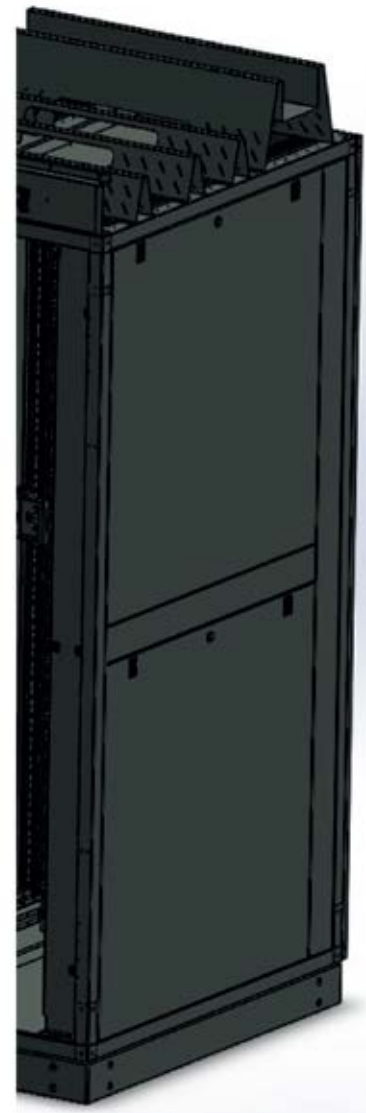
FRC-GUARD ACCESS CONTROL

The new FORCE-X DC cabinet is complemented with the **advanced FRC-GUARD access control system**. Locks with **integrated RFID technology**, **HID boards**, **IP or RS485-communication protocol** or **security keypad** and **software-driven centralized remote access control** allow for a more effective key management plan, remote opening by rack, group and zone, and a significantly lower operating cost than with a traditional key control plan.

FORCE X DC

SIDE PANELS

With slam lock and security key. For enhanced security, the range includes the option of installing an additional blocking mechanism inside the cabinet, ensuring that the panel can only be opened from inside



ELECTRICAL SAFETY

EQUIPOTENTIAL BONDING

MICROLINK is particularly committed to maintaining a high level of **protection for both individuals and the equipment installed** in our products. This is especially evidenced by the protection against any electrical discharges that might occur within the enclosures. All the cabinet components are electrically connected to each other, ensuring the overall equipotential bonding of the rack.



ELECTROSTATIC PROTECTION

As a means of **passive protection** of the equipment against **electrostatic discharges** originated by the engineers that installing and handling the equipment, the FORCE-XDC range

FORCE X DC



THERMAL MANAGEMENT

19" ZAF [ZERO AIR FLOW] MOUNTS

19" ZAF (Zero Air Flow) mount concept provides an effective barrier against the air flows generated inside the rack without losing cabling capacity on the cabinet sides. As an option, the number of installed units can be increased with extra 12U in vertical, without increasing the rack height with the ZAF 2Ux3 mount version.



VENTILATION WITH ELECTRONIC THERMOSTAT

Ventilation units specially designed for active management of low thermal loads. Fitted on the top of the rack, with low noise generation and minimal power consumption thanks to the configurable electronic control.



BLANK 19" PANELS

Available in 1 u or 3u, they are especially suited for covering all the equipment-free 19" units, sealing all the front space and preventing air mixing and air currents inside the rack. Their quick clip-on design allows easy mounting



BOTTOM COVERS FOR AISLE SEALING

Slim design for bottom covers to avoid air scape under cabinet. They combine extreme **swiftness and effectiveness** with an aesthetic finish

FORCE X DC



XS SERVER RACK

19" RACKS
FOR SERVERS
AND ACTIVE EQUIPMENT

The XS range has been created to provide a high level of security and stability, easy installation and maximum natural ventilation in the most demanding highdensity datacenter environments. With 1000 or 1200mm depth, the XS range can virtually accommodate all server models on the market. With MICROLINK's revolutionary sliding ZAF mount system, the mount can be fitted at any depth, assuring air containment without requiring disassembly.



XN CABLING RACK

19" RACKS
FOR NETWORKING
AND STRUCTURED CABLING

FORCE-X NET offers to installers numerous advantages and features for high density cabling. The longitudinal openings on its top and bottom areas allow easy entry of cables through the cabinet sides, avoiding loops and Sharp bends that might damage the cables. Inside, the cables can be guided to any area of the cabinet in the most convenient and safe way by means of a wide range of dedicated cable organizing accessories.



XS COLLOCATION RACK

19" RACKS
FOR SERVER HOUSING
AND EQUIPMENT

A full range of racks for Housing centers and facilities, including models with 2, 3 or 4 compartments. The XC range offers a high level of security in each compartment. All compartments are separated from each other covering the entire internal perimeter. Vertical cable trays are independent for each space.

For any kind of Custom Request, Contact Us: info@microlinknet.com or +1 877 677 4040

MSR-Series Server Rack

MICROLINK Enclosures introduces its standard high quality pre-configured Server Rack. The MSR-Series Server Rack is a turnkey solution designed and ready for data centers and office IT applications.

The MSR-Series Server Rack is made from MICROLINK's streamlined patented aluminum extruded frame, built rugged and still maintains an aesthetic appeal. The MSR-Series rack provides a secure environment for your critical equipment and supports a wide range of MICROLINK accessories including power distribution, cooling, and cable management.

Features

Welded Patented Aluminum Extrusion Frame

- Lightweight 6063 T5 welded rugged frame
- Dynamic weight load 2,500 lbs; Static weight load 3,000 lbs
- 24" Overall frame width to fit on data center floor tiles
- Available in 24U, 40U, 42U, and 44U height options
- 36.00" and 42.00" depths available
- Textured powder coat finish

2 Pairs of Fully Adjustable Vertical Mounting Rails

- 19" Rack mount
- Standard square hole mounting

Caster Base

- Adjustable leveling feet

Solid Top Panel With Cable Access

- (2) 4.5" holes in the rear with cover plates

Perforated Front and Rear Lockable Doors

- 63% Ventilation for airflow

Externally Removable Side Panels

- Solid side panels

Lacing Panel

- Mounting up to (2) vertical PDUs without the use of tools and can accommodate a wide variety of cable management accessories





Part Number	Dimensions				Frame Style			Assembly Required
	19" Rack Mount	Usable Width	Usable Height (U)	Usable Depth	Patented Aluminum Frame	Welded Frame	Riveted Steel Frame	
ML-MSR422036	✓	19.76"	24U	36"	✓	✓		
ML-MSR422042	✓	19.76"	24U	42"	✓	✓		
ML-MSR702036	✓	19.76"	40U	36"	✓	✓		
ML-MSR702042	✓	19.76"	40U	42"	✓	✓		
ML-MSR732036	✓	19.76"	42U	36"	✓	✓		
ML-MSR732042	✓	19.76"	42U	42"	✓	✓		
ML-MSR772036	✓	19.76"	44U	36"	✓	✓		
ML-MSR772042	✓	19.76"	44U	42"	✓	✓		

MET-Series Network Rack

MICROLINK Enclosures MET-Series Network Rack comes pre-configured to meet and exceed expectations of a Network Rack. The MICROLINK MET-Series is designed with optimal cable management space and streamlined airflow management.

The MET-Series Network Rack is made from MICROLINK's streamlined patented aluminum extruded frame design. The MET-Series supports MICROLINK's wide variety of accessories. The MICROLINK Network rack is wider than the standard server rack which allows for a larger cable management area. The 19" rack area can be justified to the left, right, or centered to accommodate variations in network cabling situations. The 19" rack area can also easily be converted into a 23" rack area.

Features

Welded Patented Aluminum Extrusion Frame

- Lightweight 6063 T5 Welded Rugged Frame
- Dynamic weight load 2,500 lbs; Static weight load 3,000 lbs
- 28.33" Overall frame width
- Available in 40U, 42U, and 44U height options
- 36.00" and 42.00" depths available
- Textured powder coat finish

2 Pairs of Fully Adjustable Vertical Mounting Rails

- 19" Rack Mount
- Standard square hole mounting

Caster Base

- Adjustable leveling feet

Solid Top Panel With Cable Access

- (2) 4.5" holes in the rear with cover plates

Perforated Front and Rear Lockable Doors

- 63% Ventilation for airflow

Externally Removable Side Panels

- Solid side panels

Lacing Panel

- Mounting up to (2) vertical PDUs without the use of tools and can accommodate a wide variety of cable management accessories





Part Number	Dimensions				Frame Style			Assembly Required
	19" Rack Mount	Usable Width	Usable Height (U)	Usable Depth	Patented Aluminum Frame	Welded Frame	Riveted Steel Frame	
ML-MET702436	✓	24.09"	40U	36"	✓	✓		
ML-MET702442	✓	24.09"	40U	42"	✓	✓		
ML-MET732436	✓	24.09"	42U	36"	✓	✓		
ML-MET732442	✓	24.09"	42U	42"	✓	✓		
ML-MET772436	✓	24.09"	44U	36"	✓	✓		
ML-MET772442	✓	24.09"	44U	42"	✓	✓		

MPR-Series Server Rack

The MPR-Series Server Rack is a new addition to the MICROLINK server rack line, which features an all steel frame opposed to MICROLINK's signature aluminum frame. The MPR-Series Server Rack gives customers a versatile and affordable option to safely secure their data.

The MPR-Series Server Rack is designed to meet and exceed the standards of today's IT market trends. Optimal cable management is built in to the top panel, bottom panel, and rear lacing panel. The rear lacing panels allows for multiple cable management options along with tool-less mounting for two vertical PDUs per side.

Features

Rugged Multi-Functional Riveted Steel Frame

- Dynamic weight load 2,500 lbs
- 23.85" Overall frame width
- Available in 42U and 44U height options
- 30.00" and 46.00" overall frame depths
- Textured powder coat finish

2 Pairs of Fully Adjustable Vertical Mounting Rails

- 19" Rack mount
- Standard square hole mounting

Caster Base

- Adjustable leveling feet

Front and Rear Cable Entry on Top and Bottom

Perforated Front and Double Rear Lockable Doors

- 63% Ventilation for airflow

Externally Removable Locking Split Side Panels

- Quick release side panels

Lacing Panels

- Mounting up to (2) vertical PDUs without the use of tools and can accommodate a wide variety of cable management accessories





Part Number	Dimensions				Frame Style			Assembly Required
	19" Rack Mount	Usable Width	Usable Height (U)	Usable Depth	Patented Aluminum Frame	Welded Frame	Riveted Steel Frame	
ML-MPR731936	✓	19.12"	42U	36"			✓	
ML-MPR731942	✓	19.12"	42U	42"			✓	
ML-MPR771936	✓	19.12"	44U	36"			✓	
ML-MPR771942	✓	19.12"	44U	42"			✓	

MAV-Series AV Rack

MICROLINK Enclosures introduces the MAV-Series AV/Broadcast Rack. The MAV-Series Server Rack is specifically designed for Audio Visual and Broadcasting Applications. The MAV gangable rack is constructed with a light-weight, adaptive, and ready to assemble steel frame. The MAV-Series is typically used in a multi-rack installation bolted together in-row. The versatile open frame concept also supports many cable management options.

The MAV-Series Server Rack was developed for the AV and Broadcasting market. Designed with a rugged steel frame and our signature aluminum mounting stiffeners, the MAV-Series is a versatile and economic rack solution with many accessories to chose from. With an easy bolt together frame you will be ready to mount your equipment in no time.

Features

Rugged Multi-Functional Steel Frame

- Weight load 500 lbs
- 19.50" Overall frame width
- Available in 24U and 42U height options
- 20.00" and 26.00" overall frame depths
- Textured powder coat finish

2 Pairs of 12 Ga, 10-32 Tapped Posts

- 19" Rack mount
- E-Coat paint

Open Style Base

Solid Top Panel with (4) 4.5" Cable Access Hole

- (2) Holes in the front and (2) in the rear

Additional Options

- Front and Rear Doors
- Side Panels
- Rack Shelves
- Horizontal Lacing Bars
- Vertical Lacing Panel
- Blanking Panels
- Skirted Caster Base
- Cable Chase
- Casters
- Joining Kit
- Top Fans
- Cable Management
- Power Distribution
- Rack Drawer
- Keyboard Trays





Part Number	Dimensions				Frame Style			
	19" Rack Mount	Usable Width	Usable Height (U)	Usable Depth	Patented Aluminum Frame	Welded Frame	Steel Frame	Assembly Required
ML-MAV421920	✓	17.80"	24U	20"			✓	✓
ML-MAV421926	✓	17.80"	24U	26"			✓	✓
ML-MAV731920	✓	17.80"	42U	20"			✓	✓
ML-MAV731926	✓	17.80"	42U	26"			✓	✓
ML-MAV-FS1926-2U	RACK SHELF	17.80"	2U	16"				
ML-LP42	LACING PANEL		42"					
ML-LP73	LACING PANEL		73"					

MSV-Series Pull Out and Swivel Rack

MICROLINK Enclosures introduces the MSV-Series Server Rack. The MSV-Series Server Rack is designed with the ability to pull out from the wall and swivel/rotate. This feature gives customers the ability to pull the rack out and access the rear of the cabinet with ease and limited space requirements. The MSV-Series is a perfect solution for AV and Broadcasting environments.

The MSV-Series Server Rack was developed for applications where space is limited and valuable. The MSV rack weight load is rated at 1,000lbs. The rack has the ability to rotate 360 degrees with cabling as your only limit. The rack must be bolted to the floor as well as the wall. It is also compatible with most of MICROLINK's rack accessories.

Features

Rugged Multi-Functional Patented Aluminum Frame

- 24.00" Overall frame width
- Available in a variety height options
- 24.00" and 30.00" overall frame depths
- Textured powder coat finish

2 Pairs of Fully Adjustable Vertical Mounting Rails

- 19" Rack mount
- Standard square hole mounting

Pull Out and Swivel Base

- 1,000 lb Slides
- 28" Pull out extension (For 24" depth version)
- 35" Pull out extension (For 30" depth version)
- Safety latches to lock in place





Part Number	Dimensions				Frame Style			Assembly Required
	19" Rack Mount	Usable Width	Usable Height (U)	Usable Depth	Patented Aluminum Frame	Welded Frame	Riveted Steel Frame	
ML-MSV732024	✓	19.76"	42U	24"	✓	✓		
ML-MSV732030	✓	19.76"	42U	30"	✓	✓		

Colocation Enclosures

Colocation Enclosures are flexible and innovative enclosures for network, Internet, and application service providers offering their clients complete security and protection of their valuable network equipment in host locations.

MICROLINK Colocation Enclosures are the most versatile enclosure racks on the market today with the ability to change from 2 to 3 to 4 bays and back again, with minimal effort.

The Colocation Enclosures are designed for additional security, by separating each customer's equipment and cabling.

Features

Rugged Multi-Functional Patented Aluminum Frame

- Patented aluminum extruded 6063-T5 welded frame
- Available in a variety of heights, widths, and depths
- Dynamic weight load 2,500 lbs; Static weight load 3,000 lbs
- Modified standard sizes, configurations and colors available upon request
- Textured powder coat finish

3 Pairs of Fully Adjustable Vertical Mounting Rails

- 19" Rack mount
- Standard square hole mounting
- Additional options available

Side Panels and Doors

- Solid, split and quick release side panels available
- Perforated, Lexan, and solid doors available
- Bays can be keyed differently

Cable Access Top and Bottom Panels

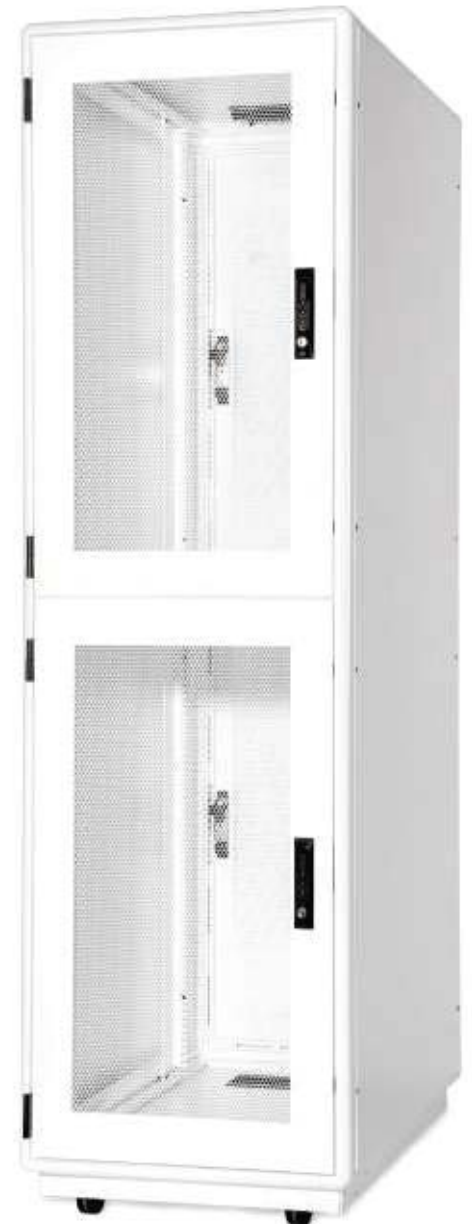
- Special top and bottom panels can accommodate cable access for each bay

Horizontal Security Panel

- Security panel separates bays within the enclosure
- Vented and solid available

Secure Wire & Cable Management

- Cable channels that run to top or bottom



Double Wide Enclosures

Double wide rack mount enclosures are designed with two side by side 19" rack mount areas in the same enclosure.

Double wide rack mount enclosures are typically used when there are more servers or equipment than a single wide enclosure can house and it is desired to have the equipment in one rack, or when it is more convenient to house servers in the same enclosure.

Double wide rack mount enclosures may be used to make it easier to wire and cable between two racks without walls interrupting the cable flow. Double wide rack mount enclosures offer the same features as the single wide cabinets and can be made in many sizes.

Features

Rugged Multi-Functional Patented Aluminum Frame

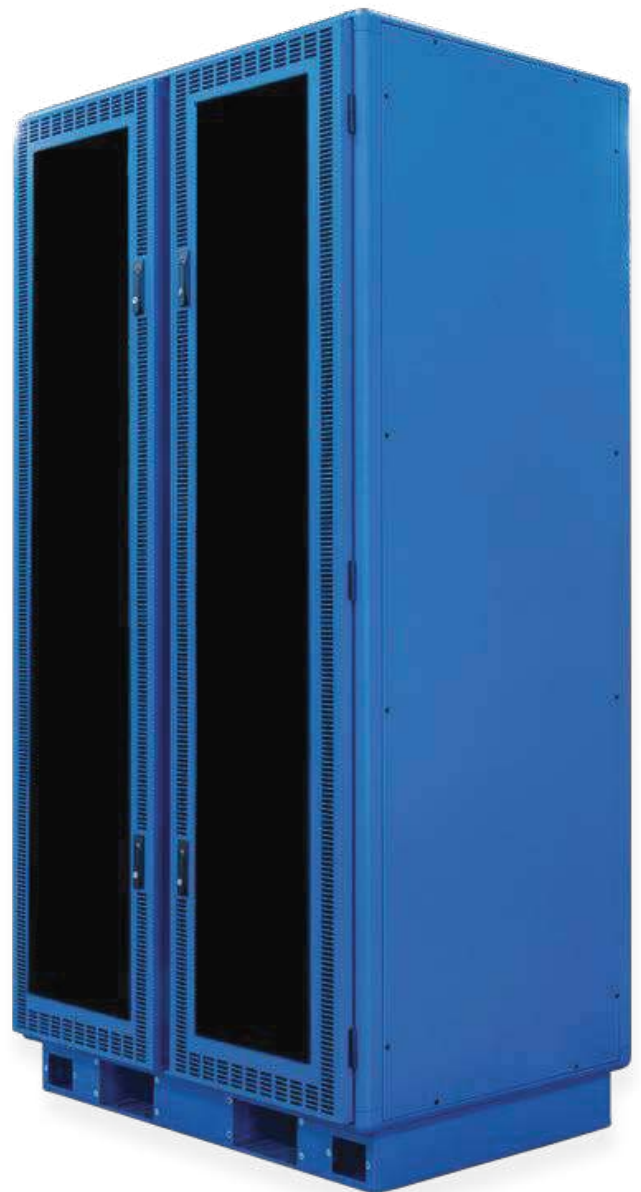
- Standard 48.00" overall frame width (Custom available)
- Available in a variety height and depth options
- Textured powder coat finish
- Modified standard sizes, configurations and colors available upon request

Fully Adjustable Vertical Mounting Rails

- [2] 19" Rack mount areas
- Standard square hole mounting

Additional Options

- Front and Rear Doors
- Side Panels
- Top Panels
- Vertical Lacing Panel
- Skirted Caster Base
- Top Fans
- Cable Management
- Power Distribution



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info@microlinknet.com or +1 877 677 4040

Vertical Wall Mount Rack

Wall Mount Rack configurations are designed specifically for environments with limited floor space, allowing customers to utilize wall space when full height cabinets are not needed or practical.

Wall Mount Racks come in various configurations including 4U, 6U and 8U vertical wall mounts. All wall mount racks have 30" of usable depth. They come with two front door options, solid steel and smoked Lexan.

Custom sizes and modified standard configurations are available.

Features

Rugged Multi-Functional Steel Riveted Frame

- 25.25" Overall frame width
- 4U, 6U, and 8U depth options
- 37.50" Height
- Textured black powder coat finish

Pair of Vertical Mounting Rails

- 19" Rack mount
- Standard square hole mounting
- Servers are mounted vertically to save space

Top Access Door

- Solid steel and Lexan options

Cable Access

- (2) 4.5" holes in the bottom for cable access or to add fans



Part Number	Dimensions				Frame Style		
	19" Rack Mount	Overall Width	Usable Height (U)	Usable Depth	Patented Aluminum Frame	Welded Frame	Riveted Steel Frame
ML-VWM-4-30-S	✓	25.25"	4U	30"			✓
ML-VWM-4-30-L	✓	25.25"	4U	30"			✓
ML-VWM-6-30-S	✓	25.25"	6U	30"			✓
ML-VWM-6-30-L	✓	25.25"	6U	30"			✓
ML-VWM-8-30-S	✓	25.25"	8U	30"			✓
ML-VWM-8-30-L	✓	25.25"	8U	30"			✓

Table Top Enclosure

MICROLINK Table Top Enclosures are server cabinets that provide economical storage for areas limited in space, or when a full server rack is not desired. Table Top Enclosures are ideal for industrial and office environments. All Table Top Racks have 30" of usable depth.

The standard configuration is equipped with vented front and rear doors.

Custom sizes and modified standard configurations are available.

Features

Rugged Multi-Functional Steel Welded Frame

- 23.62" Overall frame width
- 3U, 6U, 9U, 12U and 15U height options
- 35.00 Overall frame depth
- Textured powder coat finish

2 Pair of Adjustable Vertical Mounting Rails

- 19" Rack mount
- Standard square hole mounting

Top and Bottom Cable Access in Rear

Front and Rear Locking Doors

- Vented steel and Lexan Door options

Additional Options

- Combo locking swing handle
- 105 CFM fan
- Shelves
- Vented Lexan doors
- Casters
- Locking casters



Part Number	Dimensions				Frame Style		
	19" Rack Mount	Overall Width	Usable Height (U)	Usable Depth	Patented Aluminum Frame	Welded Frame	Riveted Steel Frame
ML-TTSC051930-VDNF	✓	23.62"	3U	32"		✓	
ML-TTSC101930-VDNF	✓	23.62"	6U	32"		✓	
ML-TTSC161930-VDNF	✓	23.62"	9U	32"		✓	
ML-TTSC211930-VDNF	✓	23.62"	12U	32"		✓	
ML-TTSC261930-VDNF	✓	23.62"	15U	32"		✓	

EMI/RFI Shielded Enclosures

MICROLINK Enclosures has a variety of solutions for customer applications that require containing and/or protecting against EMI/RFI interference. The appropriate solution is dependent upon the level of containment required and the frequency range as well as the environment. These are typically established by a specification or industry standard that the end users product has been required to comply to.

For commercial products with requirements for shielding, the goal is to protect the equipment against conducted or broadcast interference from other sources or to protect against interfering with other equipment in the vicinity. These applications would typically fall under FCC or VDE levels. The MICROLINK standard shielding solution is ideal for these requirements and consists of conductive fabric over foam gasketing at all seams. Air venting is accomplished either by using compliant vent patterns or by use of appropriate filters. Windows can also be provided using a special EMI/RFI Lexan material with embedded mesh.

For applications requiring higher attenuation levels at low and very high frequency levels, such as Military and Government standards, metal mesh gasketing is typically employed along with multiple handles, latches and panel fasteners. Air venting includes 1/8" Honeycomb EMI/RFI filters up to 1/2" thick. If power distribution is part of the requirement, the appropriate input line filter is included. All cable input/output is accomplished via shielded feed-thru connectors. Consideration for the product environment is also a factor in selecting materials and design features for the proper shielded enclosure solution.



Features

Rugged Multi-Functional Steel Welded Frame

- All standard frame sizes available
- Resilient open cell urethane foam covered with a conductive fabric is used to seal the enclosure in all gaps where side panels, doors, bases, and top panels meet with the frame.
- Textured powder coat finish

All Steel Parts are Made from Galvaneal or are Zinc Coated

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info@microlinknet.com or +1 877 677 4040

Seismic Server Racks

Our Seismic enclosures have fully welded aluminum extrusion construction providing maximum strength for rack mounted equipment in the most severe seismic environments.

Based on the standard, patented, MICROLINK Enclosures frame design, the "NEBS" compliant enclosure configuration has been fully tested and certified to be compliant with the Telcordia (Bellcore) GR-63-CORE requirements for Zone 4 Seismic environments. In addition to traditional telecommunications, networking and IT environments, this rugged enclosure solution is ideal for use in any rugged or deployed application where premium strength and performance are required.

Offered as 42U 19" rack mount cabinet, 36" usable depth, most all standard MICROLINK options and accessories can be utilized. The supplementary welded structural supports in the base and frame corners as well as the door, side panel and hardware upgrades, all contribute to this enclosure's superb performance in extreme Zone 4 seismic environments with installed loads of up to 1000 lbs.



Features

Rugged Multi-Functional Steel Welded Frame

- Patented aluminum extruded 6063-T5 welded frame
- 19" and 23" versions available
- Accommodates up to 40U of 23" or 42U of 19" rack mounted equipment
- Rugged bolt down base with cable entry
- Textured powder coat finish
- Tested and certified to Bellcore Telcordia GR-63-CORE Zone 4 seismic requirements with up to 1,000 lbs of installed equipment

2 Pair of Adjustable Vertical Mounting Rails

- 10-32 tapped holes on standard EIA-310 rack mount pattern

Additional Options

- Front and rear doors that have 3-way latching with locking swing handle
- Rack mount equipment support angles
- Side panels
- Top panel
- Side and rack mounted cable management solutions
- Top mounted lifting eyes

Fiber Frame Racks

Designed specifically to meet the special requirements of fiber cable routing in a standard 19" network management environment.

The fiber frame is available with standard a bolt-down angle base or wire way base for In-Row solutions.

Front fiber management and rear cable management in each of the vertical fiber channels.

Features

2 Post Steel Fiber Frame Rack

- 45U Height
- Standard heavy duty mounting angle base
- Textured powder coat finish

Vertical Mounting Rails

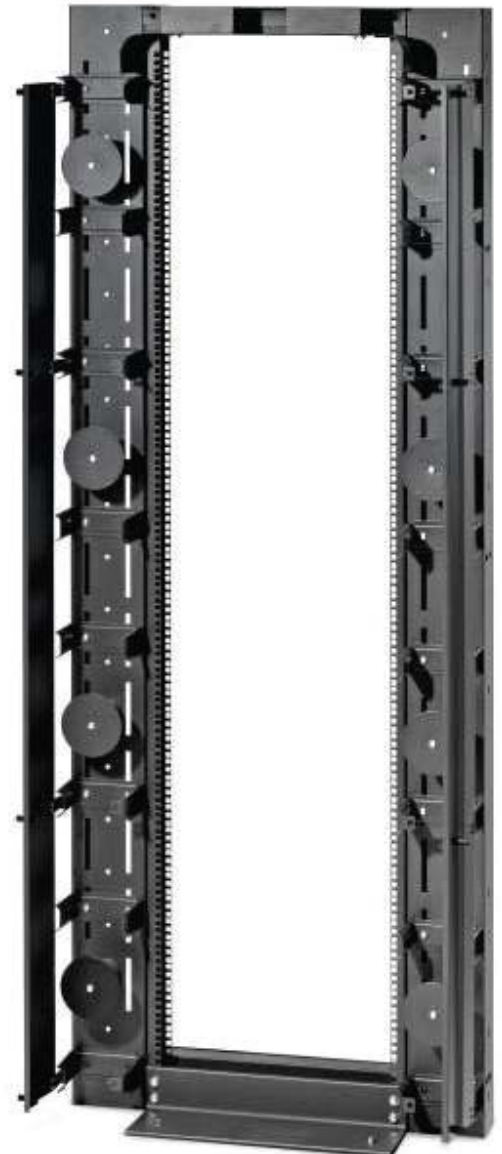
- 19" Rack mount
- Standard square hole mounting

Fiber Channels

- Fiber channels on either side or both sides
- Channels have fiber spools in the front and Velcro saddles for cable management in the rear
- Side-mounted routing channels have full front hinging doors

Additional Options

- Rack mounted cable management solutions
- Cantilever shelves
- Variety of power distribution solutions
- Wire way base for In-Row solutions
- Optional colors to match In-Row equipment
- Variable heights to match adjacent server racks in In-Row solutions



Custom Server Rack Solutions

Custom Server Racks and Enclosures can be manufactured to meet unique requirements. MICROLINK Enclosures offers a complete line of high performance enclosure solutions that can be custom manufactured to meet most application's requirements. Some applications require the expertise of system engineers to design. The experts at MICROLINK Enclosures are highly qualified to configure advanced solutions for you.

Server Racks and Enclosures sometimes require unique dimensions. MICROLINK Enclosures designs and creates truly custom solutions for these situations. Customers can provide their own specifications and drawings or they can work closely with an expert at MICROLINK Enclosures to design and manufacture a custom server rack or enclosure to meet their needs.

If your application requires specific dimensions, feel free to call us at 1-603-474-2626. MICROLINK International Enclosures has accumulated a wealth of experience in maintaining first-rate manufacturing and exceptional customer service.

Custom Options & Capabilities

- Rack & Enclosure Overall Dimensions
- Silk Screening
- Powder Coat Color
- Customer Equipment Integration
- Shock and Vibration
- Private Labeling
- Cooling Solutions
- Power Solutions
- Cable Management
- Sound Dampening

Please contact MICROLINK for any custom requests:
info@microlinknet.com or +1 877 677 4040



		
WHITE TEXTURE C031-WH120	PLATINUM GRAY TEXTURE T241-GR11	PEARL WHITE TEXTURE T031-WH06
		
GRAY TEXTURE C241-GR07	RED HAMMER T013-RD15	YELLOW 90 GLOSS T009-YL01
		
SAFETY ORANGE 90 GLOSS T009-OG01	IBM BLUE BL142	FS14066 D.O.T GREEN 70 GLOSS T007-GN13
		
BLUE TEXTURE C241-BL210	BLACK TEXTURE C241-BK01	

Power Management



Vertical PDUs

Custom and standard vertical power strips designed to complement our server rack and rack mount enclosures with the same quality and flexibility.

Vertical power strips offer power distribution solutions for any equipment enclosure. Customers are able to optimize power consumption with specific and high-end power distribution capabilities, while minimizing power cabling for best performance



Features

- Most of our Power Distribution Units are ETL/UL approved
- Completely adaptable vertical and rack mount units and box sizes can be designed to fit any mounting application
- Input power options include via cord and plug, input receptacle or hardwire terminal blocks
- Single phase 120V, 208 and 230V, 120/208 3-phase, up to 100A
- Various input and power cord solutions
- Output receptacles can be accommodated including all NEMA straight and twist lock styles, as well as IEC320 C13 and C19, in any combination
- Over-current alarm LEDs
- Standard RMS and "peak" level metering with options for RS232/RS485 interface
- Most power strips are ETL/UL cabled and tested

Additional Options

- Standard and custom configurations
- Custom silk screening
- Color coding



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Rack PDUs

Server rack power strips are available standard or custom to complement our enclosures and are designed with the same quality and flexibility.

Rack mount power strips provide the ability to deliver specific and/or high-end power distribution to each equipment enclosure. Customers are able to optimize power consumption, minimize power cabling and decrease points of failure.



Features

- Most of our Power Distribution Units are ETL/UL approved
- Completely adaptable vertical and rack mount units and box sizes can be designed to fit any mounting application
- Input power options include via cord and plug, input receptacle or hardwire terminal blocks
- Single phase 120V, 208 and 230V, 120/208 3-phase, up to 100A
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Additional Options

- Standard and custom configurations
- Custom silk screening
- Color coding

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PDU Part Numbers

Part Number	PDU Style		Input				Output				Special Features	
	Rack PDU	Vertical PDU	Input Plug Type	Load Rating	UL Load Rating	Voltage	Outlets	C13	NEMA 5-20R	NEMA 5-15R	Misc.	
ML-PS19	✓		5-15P	15A	12A	120V	6			✓		
ML-PS19-NS	✓		5-15P	15A	12A	120V	6			✓		
ML-PS4215		✓	5-15P	15A	12A	120V	10			✓		
ML-PS4220		✓	5-20P	20A	16A	120V	10		✓			
ML-PS7015		✓	5-15P	15A	12A	120V	11			✓		
ML-PS7015-20		✓	5-15P	15A	12A	120V	20			✓		
ML-PS7020		✓	5-20P	20A	16A	120V	11		✓			
ML-PSM7020-6-20-TL		✓	L5-20P	20A	16A	120V	20		✓			
ML-PSM7020-12-20-TL		✓	L5-20P	20A	16A	120V	20		✓			
ML-PSM7020M-24-1		✓	L5-20P	20A	16A	120V	24		✓			Current Monitor with LED Display
ML-PSM70CM115-CSP1		✓	L5-30P	30A	24A	120V	24		✓			Current Monitor with LED Display
ML-PSM70220C13-AF1		✓	L6-20P	20A	16A	230V	25	✓				
ML-PSM7020-630-RM1		✓	L6-30P	30A	24A	230V	24	✓				
ML-PSM70208ML630-1		✓	L6-30P	30A	24A	230V	24	✓				Current Monitor with LED Display
ML-PSM7024-3P30-1		✓	L21-30P	30A	24A	120/208V	24		✓			3-PHASE
ML-PSM7024-3P20-1		✓	L21-20P	20A	16A	120/208V	24		✓			3-PHASE
ML-PSM70-C13C19TL6		✓	I6-20P	15A/20A	12A/16A	220V	24	✓			(4) C19s	
ML-PSRM2U22020-RM1	✓		L6-20P	20A	16A	220V	6				L6-20R Twistlock Receptacles	
ML-PSRM1U-0820-10	✓		5-20P	20A	16A	115V	8		✓			
ML-PSRM1U-10-20TL1	✓		L5-20P	20A	16A	115V	10		✓			
ML-PSRM1U-230-8-1	✓		L6-30P	30A	24A	230V	8	✓			(4) C19s	
ML-PSRM1U-23015-8	✓		C14	15A	12A	230V	8	✓				

*Note; All Part Numbers are Not Shown

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Power Distribution Enclosures (PDE)

Data center managers, facility managers and design engineers now have a power distribution system available that will reduce circuit costs, increase flexibility and complement reliability improvements.

MICROLINK Power Distribution Enclosures (PDE) with integrated wire management reduces seal tight cable costs and the need for external raceways. The wire management is located in the lower front and rear of the Power Distribution Enclosures and server cabinets for easy access to power circuits. Additional enclosures can easily be added to an existing row. Traditional bottom or top cable landings serve non-adjacent MICROLINK Enclosures, various brand enclosures and stand alone systems.

The MICROLINK Power Distribution Enclosures with integrated wire management can be installed in raised floor, reduced height floor and non-raised floor environments.

Features

- Patented aluminum extruded 6063-T5 welded frame with steel doors and panels rated at 2,500 LBS with bolt down base
- Designed for In-Row data center applications
- Matches popular MICROLINK Enclosures
- Height and depth of PDE can vary to match server cabinets
- Durable powder coat finish
- Delivered assembled and tested
- Locking front and rear doors
- Removable access panels
- 120/280 VAC four wire plus ground input
- Dual input option for dual line cord equipment
- Available in input configurations for
- 208/120v, WYE 3-phase, up to 225A
- 400/230v, WYE 3-phase, up to 225A
- 480v DELTA to 208/120v WYE 3-phase, up to 45 kva
- 84 or 168 breaker positions
- 200% rated neutral
- Universal panel boards
- Integrated wire management
- Easy access cable management in lower front and rear of enclosures



Features Continued

- Top and/or bottom cable landing
- ETL listed
- 84 breaker position enclosure
- 168 breaker position enclosure
- Reduces circuit costs
- Reduces the amount of expensive seal tight cables required
- Reduces labor for installing new circuits
- Reduces under floor and overhead cable clutter
- Can expand existing power distribution systems
- Increases cooling airflow under raised floor
- Easier to add server cabinets to existing row
- Can be used in raised floor, reduced height and non-raised floor applications
- Supports contractor installed receptacles feeding vertical plug strips in server cabinets
- Supports better cable housekeeping
- A single PDE can feed non-adjacent rows with the wire management feature



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Additional Options

- Custom color, height, width, and depth to match existing enclosures
- Several door options available
- Dual input
- Surge protection device (SPD)
- True RMS current meter with digital display
- Individual branch circuit monitoring (BCM)
- Main breakers
- Factory provided branch breakers
- Top conduit landing
- Multiple enclosure joining kit
- Power cables

Power Accessories

Buss Bars

Buss Bars are provided as a common point of grounding all components and installed equipment in an enclosure.

- Copper buss bars come in horizontal 19", 23", or 24" rack mount versions as well as vertical sizes for each height of the cabinet
- Available in isolated or non isolated types
- Isolated and non isolated styles include ¼" thick and 1" wide copper with 10-32 tapped holes
- Isolated buss bars come with nylon shoulder washers and nylon flat washers to isolate from frame
- Vertical buss bars mount to upper and lower frame member and center stiffener
- Horizontal buss bars mount to vertical mounting rails



Grounding Kits

Grounding Kits are available for all MICROLINK enclosures and are installed at time of manufacturing. The grounding kit consists of grounding straps to all exterior panels and doors, plated vertical mounting rails, and a grounding stud in the base.

The frame is free of paint in the areas that need electrical contact from part to part.



Isolation Mats

Isolation mats, commonly known as Switch Board Mats, are used to electrically isolate the enclosure from the data center floor or room floor where the enclosure is installed.



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Cooling Solutions



In-Row Heat Exchanger

MICROLINK's Heat Exchanger Unit (HXU) is designed as an In-Row integrated solution to remove server-generated heat from a typical IT server room environment using a chilled water supply. It is configured in the same style and size as MICROLINK's server and equipment cabinets, and Power Distribution Enclosures (PDEs).

A controlled supply of chilled water is provided to each Heat Exchanger. The chilled water passes through the heat exchanger coils where it collects heat from the rear (hot aisle) and the rear of the adjacent server cabinets and exits the Heat Exchanger and returns to the chiller.

The front mounted fans pull the heated air from the rear through the Heat Exchanger coils where it is cooled and exhausted to the front (cold aisle) and front sides, if desired, directly into adjacent server cabinets.

The Heat Exchanger Unit is Available in Three Configurations:

In-Row "Open Loop" Configuration

Incorporates all of the controls, display, monitoring devices, heat exchange coils and plumbing into each HXU enclosure which is located between In-Row server cabinets and optionally on each end of the row. Each unit operates independently from the other HXUs. The heat is collected from the "hot aisle", pulled through the heat exchange coils, and the cooled air exhausts into the "cold aisle".

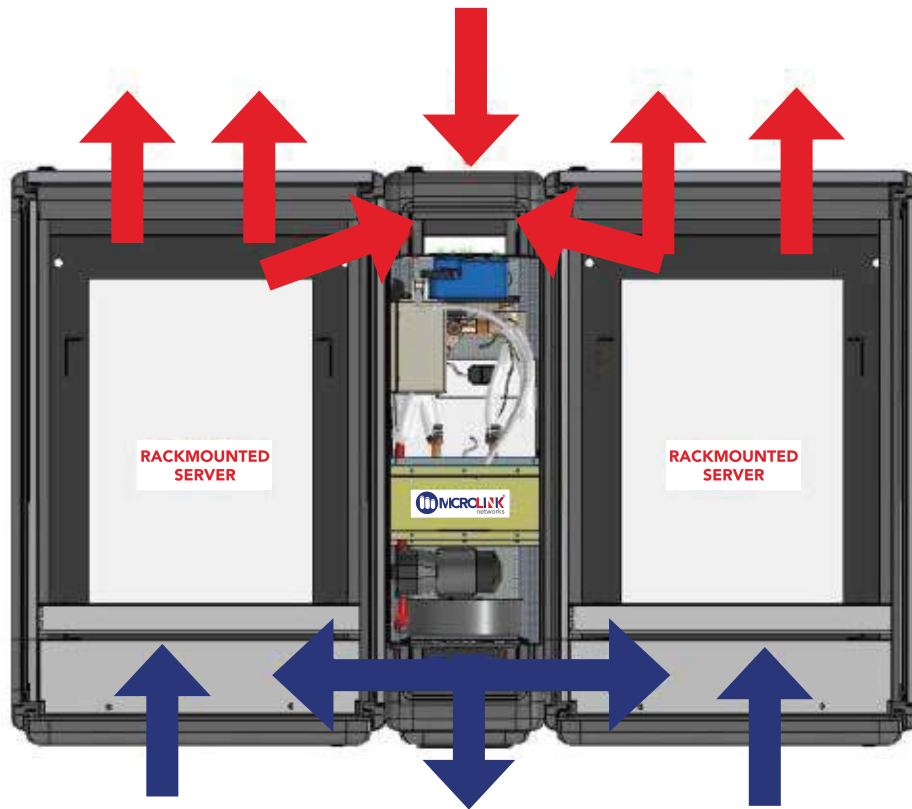
In-Row "Closed Loop" Configuration

Incorporates the same features as the above except the front and rear doors are solid. The hot air is collected directly from the rear of the server cabinets, pulled through the coils, and the cooled air exhausts directly into the front of the adjacent server cabinets.

Hybrid Configuration

The hybrid configuration incorporates both airflow solutions in the same configuration so that the hot air is collected from both the hot aisle and directly from the rear of the servers, and the cold air exhausts both into the cold aisle as well as directly to the fronts of the adjacent servers.





Features

- Nominal 20,000 watt heat removal per HXU
- PLC controls with color touch screen display
- Ethernet remote interface
- User settable alarms for temperature, humidity, coolant flow, condensation, airflow
- Six individually replaceable exhaust fans, 115 VAC
- User controllable fan speed
- Inlet and outlet air temperature monitoring
- Water flow control
- Inlet and outlet water flow monitoring
- Outlet side humidity sensing
- Washable rear door air filter
- HXU can be joined to adjacent enclosures using JK1000EX (joining kits optional)
- 10 NPTF coolant fittings provided at lower rear (optional top input available)
- Leak proof base pan and cable style leak detector
- Automatic transfer switch for dual power input
- Condensate pan and pump below coil area

Typical Performance / Operating Parameters

- Nominal heat load: 20,000 watts based on
- 6.4 GPM coolant flow 6.4 GPM
- Inlet water temperature: 48F degrees
- Water pressure drop: ~12 PSIG
- Airflow: 2800 CFM total
- Inlet air temp: 95F degrees
- Outlet air temp: 72F degrees
- Operates on a single 115V 20A circuit

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Air Conditioned Enclosures

Advanced air conditioned enclosures are specifically designed to completely control internal temperature. Air conditioned enclosures are generally for locations that do not have room air-conditioning or constant air-conditioning.

The MICROLINK Air Conditioned enclosures have an internal closed loop cooling system and the air that is used to cool the condensers is the ambient room air and is exhausted back into the room unless special ducting is set up to exhaust the hot air out of the room.

Features

- Air Conditioned Enclosures are available in side mount, rack mount and top mounted configurations and are configured in a variety of different Cabinet Heights and Depths
- Rack mounted AC Sizes include 4K BTU (115v or 230v) and 9K BTU (230v)
- Side mounted AC Sizes include 8K BTU, 12K BTU (115v or 230v) and 19K BTU (230v)
- Top Mounted AC Sizes include 8K BTU (230V)
- Side mounted Air Conditioners are shipped separately; the Rack and Top Mounted Air Conditioners are shipped fully assembled.
- Earth Friendly Refrigerant
- Mechanical Thermostat located behind the filter on rack mount and Top mount versions and on side of AC unit of Side Mount versions
- LED Temperature Display on Front Door Displaying in 'F' Degrees ('C' Degrees available on special order)
- Ducting Boot Kits available for all Air Conditioner sizes for ducting exhaust air to plenum or other area
- Cleanable, reusable aluminum mesh filter
- Includes Malfunction Switch for use with a variety of customer provided alarms
- Every unit tested prior to shipping
- Textured powder coat finish
- Multiple color options
- Fully sealed enclosure assembly; closed loop air conditioned cooling
- Square hole mounting rails on standard EIA 310 rack mount pattern for M6 cage nuts
- Patented Aluminum extruded 6063-T5 welded frame with steel doors and panels



Part Number	AC Unit Style		Dimensions			Cooling
	Rack Mount	Side Mount	Usable Height (U)	Rack Height	Usable Depth	Cooling Power
ML-A612036ACRM10K2	✓		23U	68.83	36"	9K BTU
ML-A612036-ACSM12K		✓	35U	68.83	36"	12K BTU
ML-A612036-ACSM20K		✓	35U	68.83	36"	20K BTU
ML-A612042-ACSM12K		✓	35U	68.83	42"	12K BTU
ML-A612042-ACSM20K		✓	35U	68.83	42"	20K BTU
ML-A702036ACRM10K2	✓		28U	77.58	36"	9K BTU
ML-A702036-ACSM12K		✓	40U	77.58	36"	12K BTU
ML-A702036-ACSM20K		✓	40U	77.58	36"	20K BTU
ML-A702042-ACSM12K		✓	40U	77.58	42"	12K BTU
ML-A702042-ACSM20K		✓	40U	77.58	42"	20K BTU
ML-A732036ACRM10-1	✓		30U	81.08	36"	9K BTU
ML-A732036-ACSM12K		✓	42U	81.08	36"	12K BTU
ML-A732036-ACSM20K		✓	42U	81.08	36"	20K BTU
ML-A732042-ACSM12K		✓	42U	81.08	42"	12K BTU
ML-A732042-ACSM20K		✓	42U	81.08	42"	20K BTU
ML-A772036ACRM10-3	✓		32U	84.58	36"	9K BTU
ML-A772036-ACSM12K		✓	44U	84.58	36"	12K BTU
ML-A772036-ACSM20K		✓	44U	84.58	36"	20K BTU
ML-A772042-ACSM12K		✓	44U	84.58	42"	12K BTU
ML-A772042-ACSM20K		✓	44U	84.58	42"	20K BTU
ML-A842036ACRM10K5	✓		36U	91.58	36"	9K BTU
ML-A842036-ACSM12K		✓	48U	91.58	36"	12K BTU
ML-A842036-ACSM20K		✓	48U	91.58	36"	20K BTU
ML-A842042-ACSM12K		✓	48U	91.58	42"	12K BTU
ML-A842042-ACSM20K		✓	48U	91.58	42"	20K BTU



Cooling Accessories

Fan Top Panel

Fan top panels provide a cost effective way to cool or assist in cooling an enclosure by exhausting the hot air that rises to the top of the rack keeping equipment cool and not blowing the hot air into an aisle.

Fan top panels come in a wide variety of configurations from 105 cfm to 1605 cfm. They can be configured with (1-9) 105 cfm fans or (1-3) 535 cfm fans. Fan tops can come in either 115v or 230 volt versions.

Air Baffle Kits

Air baffle kits are installed in the front of the cabinet on both sides, top, and bottom when the front pair of vertical mounting rails are recessed back from the panel opening in all enclosures.

Air baffle kits keep the cool air entering the cabinet from traveling around the equipment and forces it to enter the face of the mounted equipment maximizing the cooling effect of the air.

Using air baffle kits makes cooling the servers and equipment more cost effective. Kits are sized to each enclosure as well as the spacing of the front vertical mounting rails. Filler panels are suggested to fill open rack space in order to get the best cooling effect.

Temperature Displays

Temperature displays are available upon request and can be integrated in any enclosure to monitor the current temperature.

Temperature displays are available with one or two monitoring probes and run off of 115v power.

Thermostats

Thermostats are intended to mount inside any enclosure that has fans. The thermostats are wired into the circuit of the fans to provide on/off switching to assist in maintaining the desired temperature.



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Rack Accessories and Options



Door Options

Lexan Door

Lexan doors are made with an aluminum extruded frame with a radius to match the enclosure for aesthetic appeal.

Lexan doors have a smoked polycarbonate resin thermoplastic panel that does not break like acrylic panels do and allows the customer to see the equipment in the enclosure and view the operational lights on the equipment. Clear Lexan is an option as well.

Steel Perforated Door

Steel Perforated Door (SPDs) have a steel frame with a 63% open insert to allow for premium ventilation. 78% open available upon request.

Vented Steel Door

Vented steel doors have a vent pattern at the top and at the bottom of the door. Each vent pattern has a removable air flow panel to allow you to control where the air enters or exits the enclosure.

Vented Doors are a cost effective way to close up and secure a cabinet when minimal ventilation is required.

Vented Lexan Door

Vented Lexan Doors are made with an aluminum extruded frame with a radius to match the enclosure for aesthetic appeal and a vent panel all around the door.

The smoked polycarbonate resin thermoplastic panel does not break like acrylic panels do and allows the customer to see the equipment in the enclosure and view the operational lights on the equipment. The vent panel around the Lexan allows some air to flow through the front door

Solid Steel Door

Solid steel doors are the most cost effective way to secure an enclosure when front and rear ventilation is not required.

For secure and ventilated solutions, solid steel doors offer a quality addition to your server rack mount enclosure at a low cost.

Aluminum Perforated Door

Aluminum Extruded frame door that has a 63% perforated open area and are used when high ventilation and cooling is required. These doors have a very nice aesthetic appearance with a rounded frame to match the enclosure frame radius

All Doors come with a standard lockable swing handle latch and lift off left hand hinges as a default, right hand hinging available.



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Door Handle Options



Swing Handle Locking Latch

The basic swing handle locking latch requires a key for entry. All standard enclosures are shipped with the 333 key. For colocation facilities the swing handle locking latch can be outfitted with a different key for each locking latch and if required, and may have a master key for all latches.



Combination Lock

Combination locks do not require a key, only a 3 digit access code to gain entry. Good for colocation facilities where multiple clients use the data center and everyone has access to his or her own cabinet or bay. The combination locks have a key override for facilities managers to gain access if required.



Powerless Security Lock

High security lock that supplies its own power whether there is power in the data center or not. It uses movement of the handle by the user to generate power to allow the user to enter a code and open the door. Valuable when a key is not desired and access codes are preferred.



Remote Monitored Smart Lock

With increasing number of data breaches and compliance regulations, the Smart Lock will provide your data center with the scalable and granular rack level access control needed to exceed all current industry standards.

Remote monitored smart locks are used to secure and monitor server racks – whether in large data centers or individual data racks. Access control takes place either directly on the handle via PIN code, via transponder card, or centrally, via a management system. The handles are part of an integrated system solution for controlling access.



Fingerprint BioLock

A biolock solution represents the cutting edge of what is available in the industry. A fingerprint cabinet lock system can help you protect your data assets with ease.

Fingerprint solutions ensure that a worker always has his or her keys on hand, making it much easier to adjust authorizations – you only need to change credentials to the lock, you don't need to give users a new key card.

This system can store prints for up to 10 fingers per user, and you can set specific fingers aside for quick authorization during emergency situations.

Cable Management

Cable Management Rings (CMRs)

Cable management rings (CMRs) make it easy and simple to secure and organize cables within the enclosure. The design configuration allows cables to go into the cable management rings easily and helps to prevent the cables from falling out, providing a neat and clean look for the enclosure cable management.



Fiber Rings

Fiber rings are designed to organize and help keep fiber runs from kinking and bending when they are run through the enclosure.



Cable and Fiber Management Spools

Cable and fiber management spools have a large radius to help fiber and copper cables be routed to various locations in and out of the enclosure and to and from equipment to help prevent damage to cables due to kinking and sharp bends.



Cable Management Arms

MICROLINK offers two types of cable management arms for the rear of sliding shelves, drawers or keyboard trays: Plastic Cable Management Arm for light weight cables and Steel Cable Management Arm for heavier applications.



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Cable Channels, Wire ways, and Cable Troughs

Cable channels, wire ways & cable troughs provide the ability to manage and contain wires and cables coming to and from the enclosure.

Wire ways can be incorporated in the base as a wire way base to keep power runs out from underneath the raised floor.

Cable troughs can be added on top of the cabinet and attached to the top panel to allow wires and cables to run directly on top of the enclosure and drop directly into it instead of on costly ladder racks.



***Pictured MICROLINK Signature Wireway Top Panel**

These two features allow enclosures to be added on the end of the row very easily and cost effectively. Vertical cable channels can be incorporated inside the enclosure or on the outside if desired.

Features

- Multiple sizes, height, width and depth
- Configure to customer specifications
- Channel doors or no doors
- Velcro, cable rings, fiber rings, fiber spools can all be added into the troughs or wire ways
- Water fall entry with radius optional
- Brushed entry optional
- End caps for the end of the row
- Grommeted cutouts optional



***Pictured Velcro Saddles mounted to VSB**

Velcro Saddles

Velcro Saddles provide an easy and versatile way to organize cables. The saddles are made up of a 8" piece of Velcro that is formed into a loop. The saddles are typically mounted to a Vertical Support Bar (VSB), or can be mounted in numerous other places.

Panels

Side Panels



Standard Externally Removable Side Panels

Side panels are used to enclose the cabinets on one or both sides. Standard side panels come externally removable



Quick Release Side Panel

Quick release side panels require no tools for entry and are available with or without locks.



Internally Removable Side Panel

Internally removable side panels are mounted to the cabinet frame from the inside, which adds an increased level of security as it is not easy to take apart and gain entry from the outside of the server enclosure

Bottom Panels



Bottom Panels come in two styles, Solid and Perforated. The Bottom Panels are available with or without sliding Cable Access doors. The Cable Access Doors allow wires and cables to enter the enclosure from the bottom of the enclosure through the base. The Cable Access Doors come with open cell foam on each side of the opening to close off the area around the cables once the Cable Access Door is closed.

Filler and Cable Access Panels



Filler panels or cable access panels are generally used to fill up rack space where equipment is not mounted in order to keep the cool air in the front of the cabinet from traveling around the equipment that the cool air is intended for.

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Top Panels



Solid Top Panel

Solid top panels are a basic top that is used when cable access or ventilation through the top of the enclosure is not required.

The solid top panels can also come with two cutouts, grommet, and cover plates for an option of running cables through a solid top.



Perforated Top Panel

Perforated top panels are made of 63% open perforated steel material that allows the inside hot air that rises to the top of the enclosure to exit, helping to keep critical equipment cool.

The perforated top panels can also come with two cutouts, grommet, and cover plates to have the option of running cables through the perforated top.



Fan Top Panel

Fan top panels provide a cost effective way to cool or assist in cooling an enclosure by exhausting the hot air that rises to the top of the rack keeping equipment cool and not blowing the hot air into an aisle.

Fan top panels come in a wide variety of configurations from 105 cfm to 1605 cfm. They can be configured with (1-9) 105 cfm fans or (1-3) 535 cfm fans. Fan tops can come in either 115v or 230 volt versions.



Brushed Cable Entry Top Panel

Top panels with brushed cable entry cutouts are designed to keep the airflow going in the right direction (front to rear) while allowing fiber, cables, and cords to enter or exit the enclosure.

The nylon brushes also help to keep dust out of the enclosure.



Pagoda Top Panel

Pagoda top panels are designed to keep dripping water out of the enclosure. In a situation where a building sprinkler system activates, it would keep the sprinkler water out of the enclosure to protecting vital equipment.

Pagoda Top panels can be designed to fit most MICROLINK Enclosures.

Shelves

Fixed Shelves

Fixed Shelves are used to place equipment on when mounting to the Vertical Mounting Rails (VMRs) is not required, or they are also used to support heavy equipment that is mounted to the VMRs.

They are mounted to the front pair of VMRs and a rear pair of VMRs. Each shelf can be adjusted by 6" to accommodate the different distances between the front pair of VMRs and the Rear pair of VMRs.

- Rated at 250 lbs. evenly distributed
- Made of 14 ga. Steel
- Powder coated Black (BK01)
- Mounting adjustment range front to rear is 6"



Sliding Shelves

Sliding Shelves are designed to mount to the front and rear Vertical Mounting Rails and be able to fully extend with a load capacity of 100 lbs. making it easy to service, install, or cable equipment.

- Rated at 100 lbs. fully extended
- Made of 14 ga. Steel
- Powder coated Black (BK01)
- Adjustable mounting brackets for different front to rear rail spacing
- Standard with rear cable management arm (PCR-175)



Cantilever Shelves

Cantilever Shelves are designed to mount on only one pair of vertical mounting rails typically on a Telco rack or 2-post rack.

They can mount off of the front of the rack or the rear of the rack or both front and rear creating one long shelf by adding (-C) at the end of the part number.



For Part Numbers Please Contact Us at:
info@microlinknet.com or +1 877 677 4040

Keyboard Trays and Drawers

Keyboard Trays

Keyboard trays come in three different widths 19", 23", and 24" mounting and four different styles. They all have a light weight cable manager on the rear that can attach to the rear vertical mounting rail or the frame.

Options Include swivel keyboard base, slide out mouse pad, and



Drawers

Utility Drawers come in (3) standard sizes, 3U, 4U, & 5U. The drawers can be supplied for 19", 23", and 24" rack mounting.

Utility Drawers are designed to hold items such as documentation, tools, instruments, or lap tops. Drawers are mounted on slides for easy access.

Features

- Utility Drawers are 21" deep
- Drawers are mounted on slides for easy access
- Rated at 100 lbs. Fully extended
- Made of 16 ga. Steel
- Extends 20"
- Flush pull handle
- Powder coated
- Drawers can be supplied with a lock
- Lockable tops can be added
- Cable Management arms are available for the rear of the drawer
- Customization upon request



Additional Accessories

Hardware Kits

Hardware kits are included with every enclosure, wall mount, telco rack, and table top. They can also be ordered separately if additional desired.



Anchor Kits

Anchor kits are used to secure an enclosure to a raised data center floor or to a concrete floor when required.

Picture shown is specifically designed for raised data center floor.



Reducer Brackets

Reducer Brackets are used in wider enclosures that have 23" or 24" standard EIA mounting patterns in order to reduce the 23" or 24" mounting pattern to the standard 19" EIA pattern when installing a piece of equipment that requires the 19" mounting.



Angle Brackets

Angle Brackets are used to support equipment using the minimal amount of rack space which allows the customer to maximize the rack space in an enclosure.

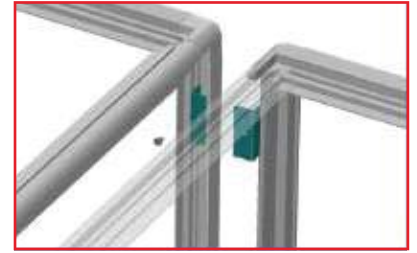
- Made of 12 gauge steel
- Front to rear mounting is adjustable by 6" to allow vertical mounting rails to be placed in various positions
- Uses minimal rack space
- Allows for vertical air flow
- 200 lb. load rating
- Caution is to be exercised when loading equipment onto angle brackets to assure equipment does not slip between angle brackets since angle brackets do not span the entire width of the rack area



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Joining Kits

Joining kits are used to securely attach enclosures that are in a row to each other which makes the enclosures a little more stable and assists in making the row of enclosures straight and orderly. The joining kits come in two variations, Internal and External.



U-Labels

U labels are available in any cabinet or rack with vertical mounting rails. Option of have #1 start at the top or bottom.



Anti-tip Stabilizers

Anti Tip Stabilizers bolt onto the side of our standard base and are 100% retractable.

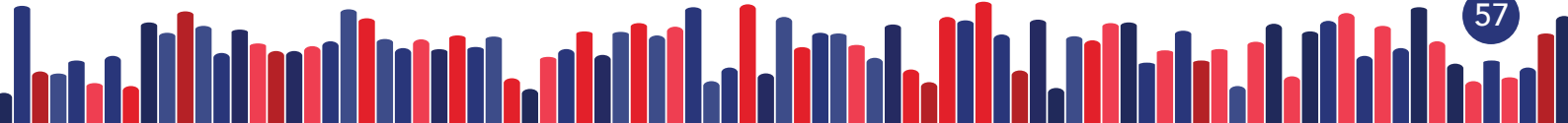
Anti Tip Stabilizers bolt onto the side of our standard base and are 100% retractable.

- Fully retractable
- Made of light weight 6061-T5 aluminum extrusion and levelers
- Provides a safe way to extend a sliding shelf with heavy servers or switches on them when cabinet is not bolted to the floor
- Other bases can be modified to accept the Anti Tip Stabilizers upon request
- Can be installed on front or rear of the enclosure or modified to do both
- Slide out, adjust leveler and ready to go.



Notes

A large, light beige rounded rectangular area containing 18 horizontal dashed lines for writing notes.





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