



DATAKOM SERVER CABINETS AND RACKS

The Ultimate Data Center Solution

Whether you are designing a new data center, or enhancing an existing one, Emcor can help you achieve the ultimate data center solution based on your specific needs today while allowing you the flexibility to succeed tomorrow.

Server Cabinets and Racks

We have a wide range of solutions to manage your data equipment protection needs, including pre-configured server and network cabinets, wall-mount cabinets, open frame racks, switch cabinets, power and cable management accessories, and much more.

Not sure what you want exactly? No problem. Let us design a cabinet to meet your exact specifications. We have worked with industry leaders like IBM, Dell, and HP for many years. We challenge you to put our expertise to the test.

PROTECTOR™

GUARDIAN™

DEFENDER™

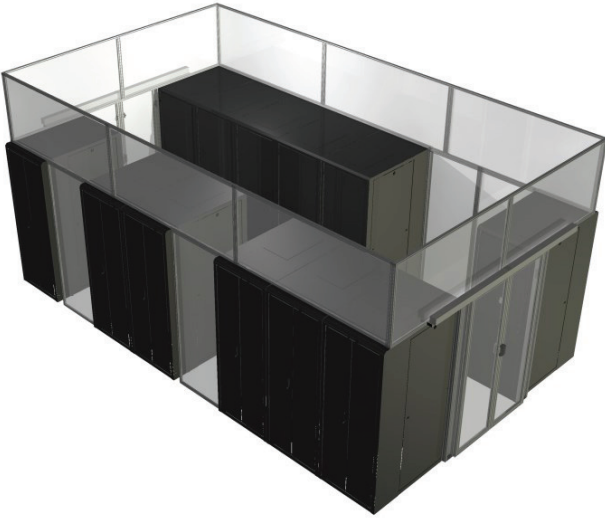


GUARDIAN Network Cabinets

Containment

In a typical Data Center, only 30% of the conditioned air actually gets to where it's needed. A typical Data Center uses 2 1/2 X more cooling than necessary and frequently still has hot spots. Using containment to aid in Airflow Management can cut energy costs.

There are several ways containment can be accomplished in a data center. We can help you decide which type is right for you.



Command/Control Consoles

Our console systems are designed for the functionality necessary in a command and control environment. Our consoles efficiently accommodate all your operator equipment and cabling to turn your NOC into a clean, clutter-free environment.

Designed for 24/7 use, our consoles can handle the stress. Office furniture or similar desk systems simply cannot stand up to these demanding environments.



More Than Just Cabinets and Racks

Take a Good Look - We believe you will find our product offering and design capabilities second to none. We pride ourselves on being a company of the highest quality in every aspect of its business: Quality products, quality services and most of all quality people.

Let us show you how nice it is to be taken care of by one of the premier manufactures in the industry.



Many of our products are UL certified for the product category Audio/Video, Information and Communication Technology Equipment Cabinet, Enclosure and Rack Systems.



All of our products are RoHS compliant. A review of the bill of materials, assembly drawings, and materials declarations for each product has been completed.



Emcor Enclosures has some of the shortest lead times in the industry. Even modified or custom products can be delivered in lead times shorter than you would expect.

PROTECTOR™

PROTECTOR™ server cabinets are a reliable way to keep sensitive electronics safe. The professional design features a ventilation rate of more than 74%, providing adequate cooling for the entire system. With integrated power and cable management; plus a full selection of accessories, Emcor's PROTECTOR server cabinets will make integrating your data center or data closet fast and easy.



Server and Networking Cabinets (8 Sizes)

Static Load Rating	3000 lbs. [1364 kg.]
Usable Height	42U 73.50" 47U 82.25"
Mounting Rails	Square Punched
Rack Mount Width	19" EIA (two different overall widths)
Overall Height w/ Casters	78.70" [2000 mm] 86.60" [2200 mm]
Overall Width	23.60" [600 mm] 31.5" [800 mm]
Overall Depth w/ Doors	42.13" [1070 mm] 47.25" [1200 mm]
Frame Depth	39.40" [1000 mm] 44.50" [1130 mm]



Swing-Out Wall Mount Cabinets (9 Sizes - Choose Window or Solid Door)

Load Rating*	Based on size
Usable Height	6U 7.75" 9U 10.75" 12U 21.00" 15U 26.25" 18U 31.50" 27U 47.25"
Mounting Rails	#12-24 Tapped & Square Punched (field reversible)
Rack Mount Width	19" EIA
Overall Height	13.8" [350 mm] 18.9" [480 mm] 24.4" [620 mm] 29.7" [750 mm] 34.8" [885 mm] 50.5" [1282 mm]
Overall Width	23.6" [600 mm]
Overall Depth	21.7" [550 mm] 29.5" [750 mm]
Max Usable Depth	20.1" [510 mm] 28.0" [710 mm]

*Dependant on secure mounting into proper structure.



Fixed Wall Mount Cabinets (9 Sizes - Choose Window or Solid Door)

Load Rating*	Based on size
Usable Height	6U 7.75" 9U 10.75" 12U 21.00" 15U 26.25" 18U 31.50" 27U 47.25"
Mounting Rails	#12-24 Tapped & Square Punched (field reversible)
Rack Mount Width	19" EIA
Overall Height	13.8" [350 mm] 19.0" [480 mm] 24.4" [620 mm] 29.7" [750 mm] 34.8" [885 mm] 50.5" [1282 mm]
Overall Width	23.6" [600 mm]
Overall Depth	21.7" [550 mm] 29.5" [750 mm]
Max Usable Depth	16.1" [410 mm] 24.0" [610 mm]

*Dependant on secure mounting into proper structure.



GUARDIAN™

Total cost of ownership looms large when designing and creating tomorrow's data centers. Emcor addresses these issues with the release of its flexible platform, GUARDIAN™. Integrated power, cabling and air flow solutions are standard on GUARDIAN server and network cabinets. Modified or custom designs are available on this platform.



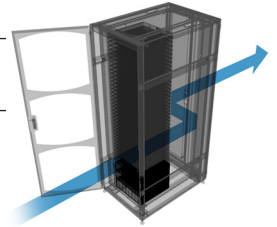
Custom Sizes Available

Server and Networking Cabinets (12 Sizes - Choose End-of-Row or In-Row)

Static Load Rating	2500 lbs. [1134 kg.]
Usable Height	42U 73.50" 45U 78.75" 48U 84.00" 52U 91.00" 56U 98.00" 59U 103.25"
Mounting Rails	Square Punched
Rack Mount Width	19" EIA
Overall Height w/ Casters	82.00" [2083 mm] 87.25" [2216 mm] 92.50" [2350 mm] 99.50" [2527 mm] 106.50" [2705 mm] 111.75" [2838 mm]
Overall Width	23.60" [600 mm] 31.50" [800 mm]
Overall Depth w/ Doors	34.25" [870 mm] 37.75" [960 mm] 41.25" [1048 mm] 44.75" [1137 mm] 50.00" [1270 mm]
Frame Depth	32.25" [819 mm] 35.75" [908 mm] 39.25" [997 mm] 42.75" [1086 mm] 48.00" [1219 mm]



Specifically designed for Network Switches with right-to-left airflow.
6 Sizes to match heights of server and networking cabinets above.



Custom Sizes Available

Swing-Out Wall Mount Cabinets (5 Sizes - Choose Window, Solid, or Vented Door)

Load Rating*	325 lbs. [147 kg.]
Usable Height	12U 21.00" 14U 24.50" 16U 28.00" 18U 31.50" 20U 35.00"
Mounting Rails	Square Punched
Rack Mount Width	19" EIA
Overall Height	24.8" [629 mm] 28.6" [718 mm] 31.8" [806 mm] 35.3" [895 mm] 38.9" [984 mm]
Overall Width	20.0" [535 mm]
Overall Depth	31.4" [800 mm]

*Dependant on secure mounting into proper structure.



GUARDIAN wall mounts feature a one person "1-N" Hung Bracket"

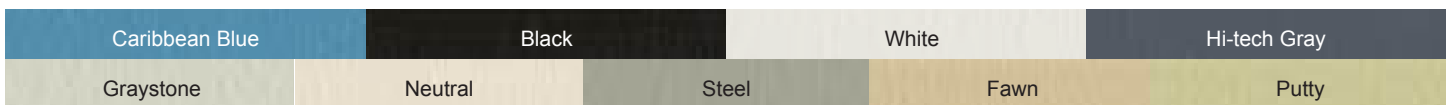


Custom Sizes Available

Fixed Wall Mount Cabinets (5 Sizes)

Load Rating*	250 lbs. [113 kg.]
Usable Height	6U 10.50" 7U 12.25" 8U 14.00" 9U 15.75" 10U 17.50"
Mounting Rails	.281 Round Punched
Rack Mount Width	19" EIA
Overall Height	13.6" [346 mm] 15.4" [390 mm] 17.1" [435 mm] 18.9" [480 mm] 20.6" [524 mm]
Overall Width	22.0" [560 mm]
Overall Depth	24.9" [630 mm]

*Dependant on secure mounting into proper structure.



DEFENDER™

DEFENDER™ server cabinets are an efficient, self-contained cooling system ideal for use in remote locations, wiring closets, and industrial environments that don't have cooling infrastructure already in place. Capable of providing up to 4 kW of cooling, these cabinets with NEMA rated air conditioners protect the delicate electronics inside from heat, dirt, moisture, and tampering. Simply put, these cabinets are a cost-effective alternative to installing a data center with a climate-controlled cooling system.



Please consider the following: what are the cooling needs of the equipment that will be housed in the cabinet, what is the height and width of the smallest door or elevator on the path to installation, what is the size of the room where the cabinet will reside, and is there a dedicated receptacle -in the room- capable of handling the power needs of an AC unit. For retrofit jobs; the condition of the existing equipment, the type of rack it is currently housed in, and most importantly the length of service loop, if any, of the existing cable.



Server Cabinets with Ice Cube AC Units (10 Sizes - Choose BTU Level)

Static Load Rating	2000 lbs. [907kg.]
BTU's [kW of Cooling]	3,000 [~1.0 kW] 6,000 [~2.0 kW] 8,000 [~2.6 kW] 12,000 [~4.0 kW]
Usable Height	28U 49.00" Half Rack 40U 70.00" Full Rack
Mounting Rails	Square Punched
Rack Mount Width	19" EIA
Overall Height w/ Casters	56.0" [1422 mm] 77.0" [1955 mm]
Overall Width w/ AC Unit	34.4" [872 mm]
Overall Depth w/ Doors	38.9" [988 mm] 44.1" [1120 mm]

120V AC Units Included. 230V AC Units available upon request.

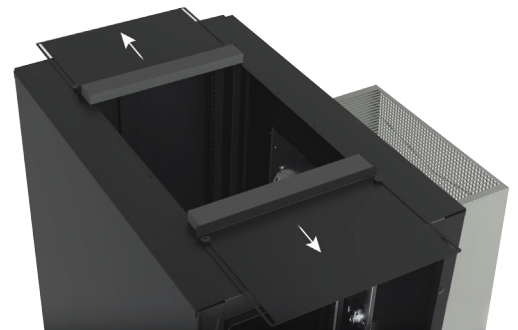
Server Cabinets with McClean AC Units (6 Sizes - Choose BTU Level)

Static Load Rating	2000 lbs. [907kg.]
BTU's [kW of Cooling]	8,000 [~2.6 kW] 12,000 [~4.0 kW] 20,000 [~5.8 kW]
Usable Height	40U 70.00" Full Rack
Mounting Rails	Square Punched
Rack Mount Width	19" EIA
Overall Height w/ Casters	56.0" [1422 mm] 77.0" [1955 mm]
Overall Width w/ AC Unit	35.7" [898 mm] or 39.4" [1000 mm]
Overall Depth w/ Doors	38.9" [988 mm] 44.1" [1120 mm]

120V AC Units Included. 230V AC Units available upon request.

NO NEED TO RE-TERMINATE

The top of the cabinet opens like a hangar bay allowing servers and networking equipment to be dropped in with out re-terminating.



WATCH OUR VIDEO

OPEN FRAME RACKS

For the ultimate in flexibility and durability, choose 2-Post or 4-Post distribution racks and cable managers. Constructed of high strength aluminum, these EIA standard 19" or 23" open frame racks are used in communication, data center, and telecommunication room applications.

The racks are easy to assemble, self squaring, and self supporting. A full line of shelves are available to accommodate your non rack mount equipment.

2-Post Open Frame Racks satisfy basic functional requirements for structuring cable. 4-Post Open Frame Racks combine the mounting security of a cabinet with the accessibility of a rack. These adjustable depth racks support deeper, heavier network equipment.



2-Post Open Frame Racks (12 Sizes)

Static Load Rating	800 lbs. [363 kg.]
Usable Height	18U 3 ft. 24U 4 ft. 38U 6 ft. 45U* 7 ft. 52U 8 ft. 58U 9 ft.
Mounting Rails	#12-24 Tapped
Rack Mount Width	19" EIA 23" EIA
Overall Height	36" [914 mm] 48" [1219 mm] 72" [1829 mm] 84" [2134 mm] 96" [2438 mm] 108" [2743 mm]
Overall Width	20.25" [514 mm] 24.25" [616 mm]

*Single Sided and Double Sided Vertical Cable Managers available for this height. 4.00" [102 mm] | 6.00" [152 mm] | 8.00" [203 mm] | 10.00" [254 mm] widths.



4-Post Open Frame Adjustable Depth Racks (12 Sizes)

Static Load Rating	800 lbs. [363 kg.]
Usable Height	18U 3 ft. 24U 4 ft. 38U 6 ft. 45U* 7 ft. 52U 8 ft. 58U 9 ft.
Mounting Rails	Square Punched or #12-24 Tapped
Rack Mount Width	19" EIA 23" EIA
Overall Height	36" [914 mm] 48" [1219 mm] 72" [1829 mm] 84" [2134 mm] 96" [2438 mm] 108" [2743 mm]
Overall Width	20.25" [514 mm] 24.25" [616 mm]
Overall Depth (adjustable)	26.50" - 44.50" [673 mm - 1130 mm]
Max Usable Depth	20.50" - 32.50" [521 mm - 826 mm]

*Single Sided and Double Sided Vertical Cable Managers available for this height. 4.00" [102 mm] | 6.00" [152 mm] | 8.00" [203 mm] | 10.00" [254 mm] widths.



Datacom Products



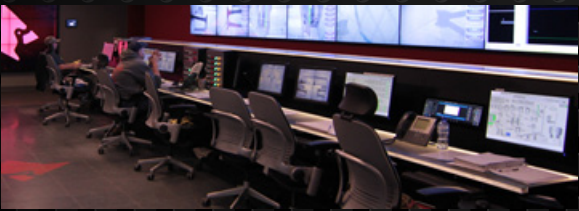
Electronics Protection

Our full line of server and network cabinets, wall mounted cabinets, open frame racks, and self contained air conditioned cabinets provide a durable physical layer to protect even the most sensitive electronics inside.



Containment

Because challenges in space, facility limitations, and budget can impact your data center design and operation, Emcor offers unique ways to isolate hot and cold air and make the most of your data center cooling.



Command/Control Consoles

Emcor's console systems are designed for the functionality necessary in a command and control environment. Our consoles efficiently accommodate all your operator equipment and cabling to turn your NOC into a clean, clutter-free environment.



Design Services

Sensitive electronic equipment comes in many shapes and sizes. Safely housing and protecting it can be a challenge. Before you settle for a something that kind of works, come to us with your request.

