EdgeRack Industrial 8M

Your On-Premise Industrial Networking Solution

SKU#: ER8-91342-XXXB

The EdgeRack Industrial 8M is a micro data center cabinet for industrial environments and edge deployments. It includes a self-contained, side-mounted cooling unit with up to 8kW of cooling capacity. The EdgeRack Industrial 8M is the ideal solution for securing your IT infrastructure in manufacturing sites with less controlled or dirtier environments.

PRODUCT FEATURES

- NEMA 12 and IP55-rated.

- Side-mounted, self-contained cooling unit with remote management capability.

- Up to 8kW of cooling capacity.

- The condensate water processing device evaporates all condensate water.

- No need to attach copper coolant or water drainage pipes.

- Cooling adjusts to match the IT load, minimizing energy consumption.

- 42U of usable IT space.

- Temperature, humidity, water leakage, and smoke sensors capable of remote monitoring.

*Ask Enconnex about bundling with and pre-installing other IT equipment (Ex. PDUs).

PRODUCT APPLICATIONS

- Uncontrolled Edge Environments (Industrial Edge)

- Warehouses

- Manufacturing Sites

- IT Test Laboratories

EDGERACK INDUSTRIAL 8M SOLUTION BENEFITS

Plug and Play: The 8M has a side-mounted, self-contained cooling unit and a condensate water processing device built-in, eliminating the need to connect copper coolant or water drainage pipes and enabling fast deployment.

Industrial Level Protection: NEMA 12 and IP55-rated. The 8M is protected against exposure to uncontrolled environments. Featuring fully-welded seams, specialty sealants and gaskets, as well as provisions for cable glands, it will operate seamlessly in the presence of water, humidity, dust, or grime.

Shared Cooling: Remove the side panels (security-head bit included) and deploy units side-by-side to mimic the effect of an in-row cooling unit and ensure cooling redundancy should a unit go offline.

Powerful, Efficient Cooling: The self-contained, side-mounted cooling unit provides up to 8kW of cooling capacity and eliminates the need to attach copper coolant pipes. The inverter compressor and EC fans provide efficient cooling to match the IT load, minimizing energy consumption.

Smart and Secure: The 8M comes with sensors to detect temperature, humidity, water leakage, and smoke within the enclosure (can be monitored remotely). The optional electromagnetic lock will open the cabinet door in case of an emergency. Additionally, cooling can be managed remotely.

Flexible Air Management: Manage exhaust air via either a flexible duct connecting to an HVAC return or exterior vent or to ambient air via a ventilated opening in the roof panel.

Minimal Maintenance: The cooling unit is exposed by removing the cabinet's side panel. It has an access panel, and its condensing and evaporating fans are modular and hot-swappable. The entire unit can be removed and replaced if needed.

PHYSICAL SPECIFICATIONS

Part Number	ER8-91342-XXXB
Cabinet Dimensions (HxWxD)	82.7" x 35.4" x 51.2" (2100 x 900 x 1300 mm)
Max Load Capacity	3968 lbs (1800 kg)
Usable IT Space	42U
Protection Rating	NEMA 12/IP55
Cooling Unit Dimensions (Side Mount) (HxWxD)	67.44" x 10.63" x 37.40" (1713 x 270 x 950 mm)
Cooling Capacity*	8kW
Input Power	1PH 208V~240V
Input Frequency	50Hz and 60Hz
Maximum Current	22A
Refrigerant	R410A
Air Flow	Internal circuit : 1800m3/h
	External circuit : 2800m3/h
Environmental Operating Range	0~45°C, 20~80%RH
Site Positioning	2.5" heavy-duty casters and leveling feet
Net Weight	992 lbs (450kg)
Shipping Weight	1477 lbs (670kg)
Shipping Dimensions(HxWxD)	94.68" x 42.51" x 66.73" (2405 x 1080 x 1695mm)

PHYSICAL SPECIFICATIONS (CONT'D)

Parts Included	Side-mounted cooling unit, front/rear doors, side panels, 2.5" casters, leveling feet

* Cooling capacity is test on the conditions, return air of internal circuit 21°C, ambient air temperature 35°C.

COMPONENT ATTRIBUTES

Front Door	Metal front door (1 pcs)
Rear Door	Metal rear split doors (3 pcs)
Side Panels	Metal side panels fixed via security-head screws (2 pcs)
Cooling Unit	8kW side mounted cooling unit (1 pcs)
Mounting Rail	42U (4 pcs)
Cable Management Bar	2 pcs
PDU Bar	1 pcs PDU bar for two PDU installation
Blanking Panel (Optional)	20 pcs
Cage-nuts	100 pcs
Waterproof Plug	9 pcs
LED LIght	2 pcs
Environmental Sensors	Leak detection sensor (1 pcs)
Environmental Sensors	Temperature and humidity sensor (1 pcs)
Environmental Sensors	Smoke detection sensor (1 pcs)
Monitoring	4.3 inch displayer for monitoring control (1 pcs), support remote access
Security	Electro-magnetic door opening & locking system (2 pcs)