

# EdgeRack 5M

## Powerful Edge Computing

The EdgeRack 5M is an enclosed micro data center solution that includes a self-contained cooling unit with 5kW of cooling capacity, a built-in condensate processing device, cable management, environmental monitoring, remote management, enhanced security, and more. It is ideally suited for edge deployments in environmentally controlled areas. The EdgeRack 5M enables powerful edge computing for remote locations and branch offices.

## PRODUCT APPLICATIONS

- Small to Medium-Sized Enterprises
- Medical Facilities
- Remote or Branch Offices
- Retail Stores
- Educational Institutions



## EDGERACK 5M FEATURES AND BENEFITS

### Enabling Fast Deployment

- The EdgeRack 5M built-in with a self-contained cooling unit and condensate water processing unit, eliminating the need to connect coolant copper or water drainage pipes, integrated access control and environmental monitoring, prefabricated and pre tested in factory, enabling fast deployment.

### Integrated, Highly Efficient Cooling

- Featuring a self-contained, bottom-mounted cooling unit with up to 5kW of cooling capacity. An inverter compressor and electronically commutated (EC) fans allow cooling to adjust to the IT load, minimizing the energy consumption.

### Enhanced Security

- The front door's electromagnetic lock ensures optimal security, access control, and thermal protection. When power is lost or temperatures go above your preset threshold, the front door will automatically open (the magnet disengages) to protect your equipment.

# EDGERACK 5M FEATURES AND BENEFITS

## Cable Management and PDU Brackets

- The 5M comes with short finger vertical cable managers (distributed in 1U increments) and dual PDU mounting brackets. A front-to-rear cable trough is optional for the 800 mm wide version. Our pro vertical cable manager option also includes a lashing panel and hinged cover.

## Environmental Monitoring

- Temperature, humidity, smoke, and leak detection sensors are included to help you monitor your enclosed environment.

## Easy Maintenance

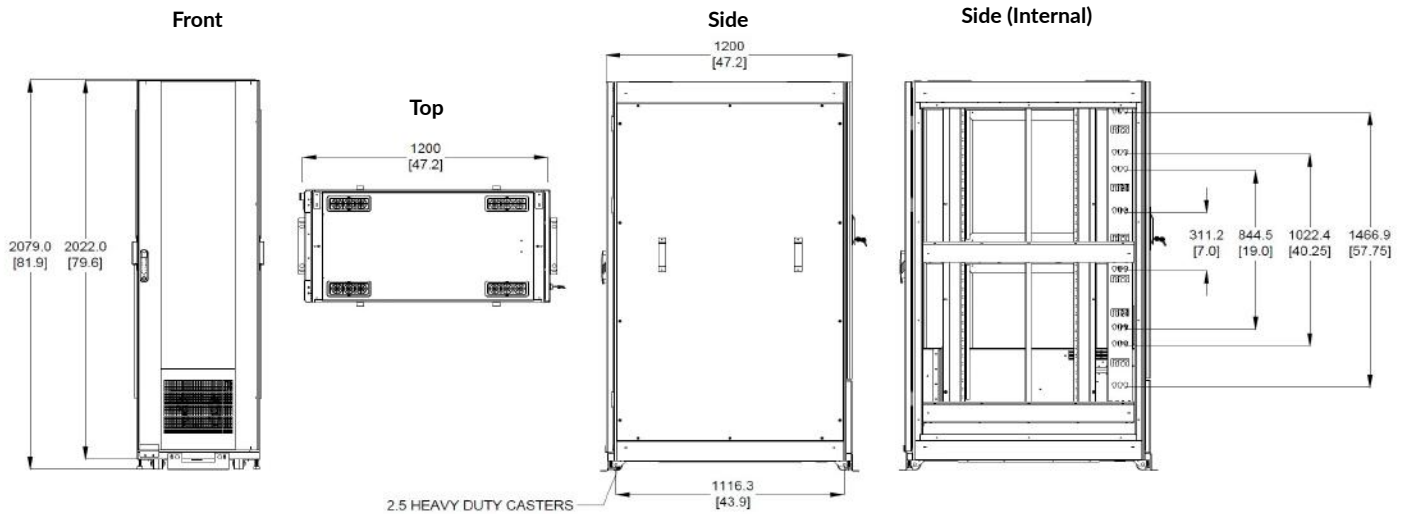
- The rollers beneath the cooling unit allow it to be easily rolled out for maintenance. The air filter is washable and reusable and can be accessed by simply opening the front door.

## Shared Cooling

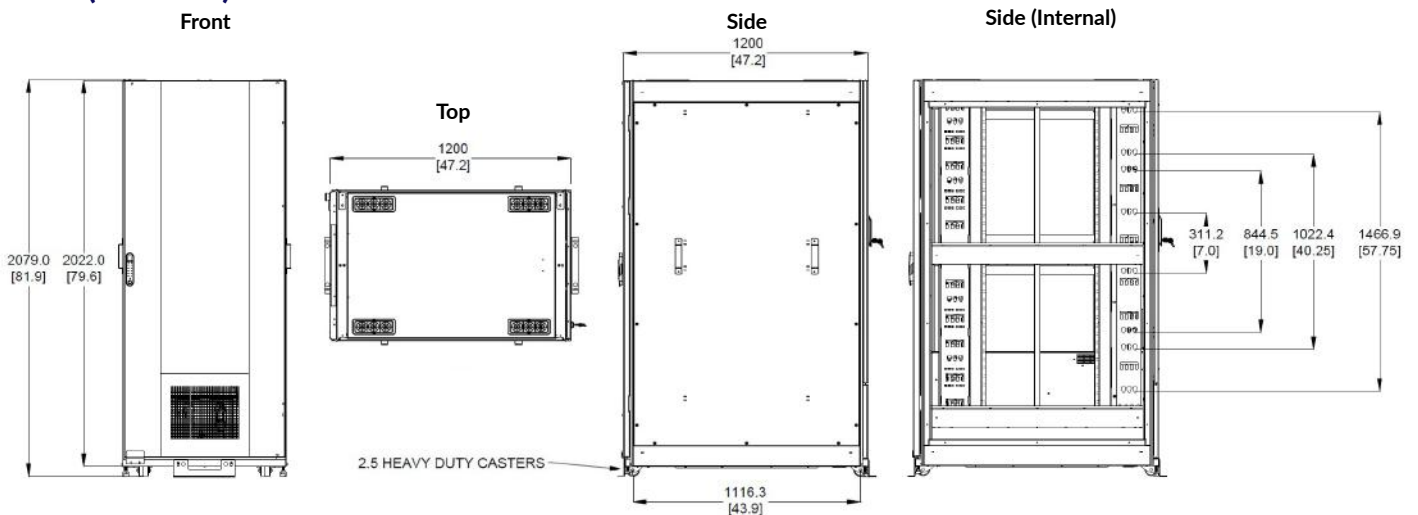
- Remove the side panels (security-head bit included) and deploy units side-by-side to mimic the effect of an in-row cooling unit and ensure cooling redundancy should a unit go offline.

## DIMENSION DRAWINGS

### 23.6" (600 mm) Wide Cabinet



### 31.5" (800 mm) Wide Cabinet



## PHYSICAL SPECIFICATIONS

EdgeRack 5M P/N	ER5-61242-D01B	ER5-81242-D01B
Width	23.6" (600 mm)	31.5" (800 mm)
Cabinet Dimensions (WxDxH)	23.6" x 47.2" x 79.6" (600 mm x 1200 mm x 2022 mm)	31.5" x 47.2" x 79.6" (800 mm x 1200 mm x 2022 mm)
Shipping Dimensions (WxDxH)	33.5" x 55.5" x 88.8" (850 mm x 1410 mm x 2255 mm)	41.3" x 55.5" x 88.8" (1050 mm x 1410 mm x 2255 mm)
Net Weight	630 lb (286 kg)	681 lb (309 kg)
Gross Weight	886 lb (402 kg)	1003 lb (455 kg)
Usable IT Space	Two pair of 19" EIA rails; 42U total, 31U usable, 11U dedicated for Cooling Unit	
Max/Min Rail Spacing	Front rails are fixed. Factory set to 29.5" (750 mm). Adjustable 26.0"-30.7" (660 mm-780 mm).	Front rails are fixed. Factory set to 29.5" (750mm). Adjustable 26.0"-29.5" (660 mm-750 mm).
Max Load Capacity	4000 lb (1814 kg)	4000 lb (1814 kg)
Cooling Capacity**	5kW	
Refrigerant	R410A	
Air Flow	Internal circuit : 590 CFM (1000 m3/h) External circuit : 1120 CFM (1900 m3/h)	
Environmental Operating Range	14°F~113°F (-10°C~45°C), 20%~80% RH	
Load Support	2.5" (64 mm) load bearing casters and leveling feet	
Input Power	208 V~240 V/1 Ph	
Input Cord - US*	13' (4 m) Power Cord with NEMA L6-20P Plug	
Input Cord - EU*	13' (4 m) Power Cord with IEC60309 16A Plug	
Input Frequency	50 Hz and 60 Hz	
Maximum Current	16 A	

\*Input cords sold separately - see details on page 4 \*\*Stated cooling capacity is based on a supply air temperature of internal circuit of 70°F (21°C) and an ambient air temperature of 95°F (35°C).

## COMPONENT ATTRIBUTES

Vertical Cable Management	The 31.5" (800 mm) wide EdgeRack 5M includes short finger vertical cable managers with integrated lashing panels and hinged covers factory installed in the front right and left corners.
Universal Cable Lashing Panel & Dual PDU Mounting Bracket	Includes 4.6" (118 mm) wide Dual PDU Brackets with cable lashing features in the rear right and rear left corners.  **Caution: Standard height PDUs are not compatible with the 23.6" (600 mm) wide EdgeRack 5M. Contact Enconnex for suitable power options.
Front Door	Double-layered glass/polycarbonate door with privacy tint and auto-opening electromagnetic access control
Rear Door	Insulated metal rear door with keyed lock
Side Panels	Removable, insulated, side panels on right and left sides
LED Light	Included and factory installed at the top front and rear. Lights turn on when door is opened.
Environmental Sensors	Water leakage sensor, temperature and humidity sensor, and smoke sensor
Monitoring	4.3" (109 mm) display control panel with *remote access  *Requires USB to RS485 serial port converter cable (not included).

# EDGERACK 5M INPUT CORDS - SOLD SEPARATELY

## US Input Cord

- Supplies power to the built-in, self-contained cooling unit.
- 13' (4 m) long NEMA L6-20P power cord.
- Sold separately.

Part Number	Standard Description
E050001-01B	Power Cord for EdgeRack 5M; NEMA L6-20P; 20A / 250VAC; 3 Wire with Crimped Terminals; 13'L (4 m); Black



## EU Input Cord

- Supplies power to the built-in, self-contained cooling unit.
- 13' (4 m) long IEC 60309 power cord.
- Sold separately.

Part Number	Standard Description
E050001-02B	Power Cord for EdgeRack 5M; IEC 60309; 16A / 250VAC; 2P+E; 3 Wire with Crimped Terminals; 13'L (4 m); Black



# EDGERACK 5M ACCESSORIES

## Front-To-Rear Cable Trough

- Provides front-to-rear cable pathway
- Telescoping adjustability from front-to-rear
- Attaches to rail openings present in 31.5" (800 mm) wide cabinets

Part Number	Standard Description
E010012-00B	Front-to-Rear Cable Trough for InfiniRack Cabinet; for 31.5" W (800 mm) Cabinets; Sold Each; Black



# EDGERACK 5M ACCESSORIES

## Blanking Panels

- Seals gaps to ensure optimal airflow
- Toolless installation and removal

Part Number	Standard Description
E010061-10B	Blanking Panel; 1U; 19" EIA; Pack of 10; Black
E010062-05B	Blanking Panel; 2U; 19" EIA; Pack of 5; Black



## Audible and Visual Alarm

- Flashing red strobe light and 85dB alarm when triggered
- Connects to terminals at the top of EdgeRack
- Magnet or bolt-on mounting

Part Number	Standard Description
E051006-00N	Audible and Visual Alarm for EdgeRack 5M & 8M



## Cage Nut and Screw Hardware Pack

- For use in square-punched mounting rails
- M6-1.0 thread pitch
- Black zinc plated finish
- Sold as a pack of 50

Part Number	Standard Description
E019000-50B	Cage Nut and Screw Hardware Pack; M6 x 12; Pack of 50; Black Zinc Plate

