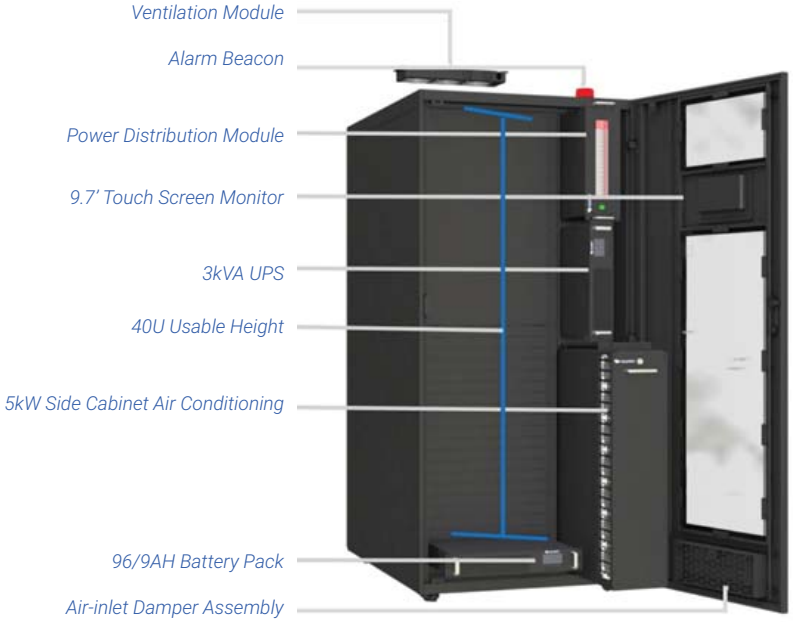
Enterprise Micro Data Center
EMDC- W Series





Litech EMDC-W Series is specially designed for various enterprise to meet demand of edge computing providing extra U space for flexibility to your benefits. This is the versatile all-in-one, self-contained, prefabricated micro data centers solution for edge computing. With up to 5kW of integrated cooling, EMDC-W Series are ready to be deployed wherever you need them.

FEATURES

- Comes in 800mm wide cabinet structure that with side mounted air conditioning installation that gives users up to 40U of available space
- Full isolation of cold and hot aisles + CFD optimal air distribution with PUE as low as 1.2
- Equipped with intelligent large screen management system with real-time display of dynamic data application scenarios.

Product Specification

Model	EMDC-W-428012
Rack System	
Number of Rack	Single All-In-One Rack
Dimension (W*D*H)(mm)	800*1200*2000
Available U Space	40 U
Cooling System	
Cooling Unit	19" Rack Mount Type
Cooling Capacity	5kW
Cooling Mode	Air Cooled
Refrigerant	R410A
Installation mode	Side installation. Does not occupy U space

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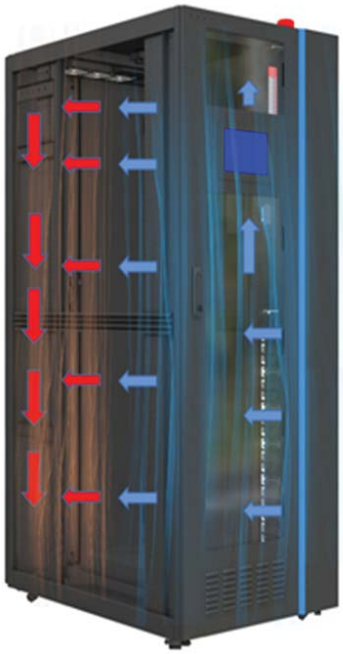
Power Supply & Distribution		
Input Power Supply	220V, 50Hz	
Power Distribution Module	Main power input	Single circuit mains power input, MCB 63A/1P*1
	Lightning protection requirements	C-level lightning Surge Protector, Imax=40kA In=20kA, MCB 32A/2P * 1 for lightning surge protector.
	Mains output	UPS input and output switches: MCB 40A/1P*2 . UPS maintenance bypass switch: MCB 40A/2P*1. Air conditioner input switch:MCB 32A/1P*1.Lighting switch:MCB 16A/1P*1 IT cabinets and backup switches of circuit B : MCB 32A/1P * 2
	UPS output	IT cabinet and standby switch : MCB 32A/1P*2 Ambient lights and emergency fans :MCB 16A/1P*2
	Other	Built-in single-phase digital energy meter , monitor parameters : main power supply voltage, current, and power; power input indicator light;
	Chassis	3U 19"" Rack Mount"
UPS (Optional)	Capacity: 3KVA; Single phase in, single phase out; Input power factor: ≥ 0.99, output power factor: 0.8	
	Frequency range: 40Hz~70 Hz	
	Communication port: RS232 or USB	
	Height: 2U. Side installation	
Rack PDU	2* RPDU Basic,Single Phase	
	20*C13 + 4*C19, 3m Cord Length, IEC 60309 30A, 0U Vertical	
Monitoring System		
Display	9.7"" inch touch screen monitor with capacitive touch screen technology, 12V DC, LCD Resolution 800*1280	
Temperature & Humidity Sensor	RS485 interface, 12V power supply	
Smoke Sensor	DI access	
Water Leakage Sensor	3m non-positioning	
Lighting	Blue monochrome LED light strip -200mm	
Door Sensor	Door status detection	
Intelligent	Battery monitoring, video, electrical access, QR code access, intelligent linkage,	
Equipment Monitoring	1* UPS, 1* air conditioners, 1* power distribution , 1* cabinet temperature and humidity sensors, 1* smoke sensors;	
Interface	5 * RS485, 1 * RS232, 5 * DI, 2 * DO, 2 * USB	
Communication Protocol	Uplink: Modbus TCP, downlink: Modbus RTU;	
Fire Suppression System		
Emergency cooling	Emergency fan, UPS power supply	
Fire Extinguishing System (Optional)		
Fire Extinguishing Agent	FM200/Novec1230N	
Trigger Method	Fire detection tube standard)/electronic trigger/third-party fire protection system trigger/manual	
Environment		
Operating Temperature	-40°C~55°C	
Operating Noise level	53db (A)	

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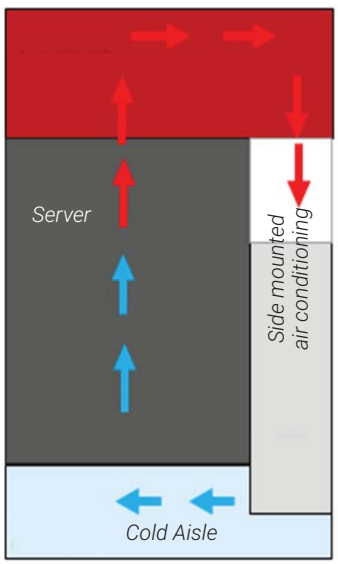
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In Rack Air Flow System



Top View



Side View

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