Enterprise Micro Data Center
EMDC-V Series



Introducing Litech EMDC-V Series solution which offer a high performance data center solution in a compact form. Comes in a self-contained data center architecture all-in-one design that fulfill enterprise needs rapidly at the edge and with the reliability your business need.

FEATURES

- A high-performance data center solution in a compact form factor.
- Integrated cabinet can simplify the installation process by eliminating the need for separate components.
- Equipped with intelligent large screen management system with real-time display of dynamic data application scenarios.
- Space and power optimization for cost-effective data management.

Product Specification

Model	EMDC-V-426012-3/5	EMDC-V-426013-3/5	EMDC-V-486012-3/5	EMDC-V-486013-3/5
Rack System				
Number of Rack	Single All-In-One Rack	Single All-In-One Rack	Single All-In-One Rack	Single All-In-One Rack
Dimension (W*D*H) (mm)	600*1200*2000	600*1350*2000	600*1200*2270	600*1350*2270
Available U Space	32U	32U	38U	38U
Cooling System				
Cooling Unit	19" Rack Mount Type			
Cooling Capacity	3.5kW / 5kW			
Cooling Mode	Air Cooled			
U Height	5U			
Refrigerant	R410A			
Air Supply Mode	Horizontal Air Supply			
Power Supply & Distribution				
Input Power Supply	220V, 50Hz			
Power Distribution Module				
Main Power Input				
Single Circuit Mains Power Input	MCB 63A/2P * 1			
Surge Protection	Type C Surge Protector, Imax=40kA In=20kA, MCB 32A/2P * 1			

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Main Power 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
Backup Switch	MCB 32A/1P *1
IT Cabinets and Backup Switches Of Circuit B	MCB 32A/1P*2
UPS Output	
IT Cabinet Switch Of Circuit A	MCB 32A/1P*2
Ambient Lights and Emergency Fans	MCB 16A/1P*2
Other	
Single-Phase Digital Energy Meter	Monitor parameters : Main power supply voltage, current, and power; power input indicator light
Chassis Height	3U 19" Rack Mount
UPS (Optional)	
Capacity	1-10 KVA, 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
Rack PDU	
RPDU Type	Basic rPDU, Single Phase 20*C13 + 4*C19, 3m Cord Length, IEC 60309 30A, 0U Vertical *2
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	UPS, air conditioners, power distribution, cabinet temperature and humidity sensors, smoke sensors
Interface	5 * RS485, 1 * RS232, 5 * DI, 2 * DO, 2 * USB
Communication Protocola	Uplink: Modbus TCP, downlink: Modbus RTU
Fire Suppression System	
Emergency Fan	
Nominal Voltage	220V AC
Rated Current	0.42A
Air Volume	9.36 m3/min
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

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