Micro Data Center Edge Cube 4.0

Description

MDC EDGE CUBE 4.0 is the ideal solution to create a Micro Data Center, responding to the ever increasing need for proximity data processing, known as "Edge Computing". It is a modular, autonomous, portable, safe and cost-effective system consisting of Server Cabinets with typical Data Center features, including components like, cooling system, UPS, Smart PDU, monitoring and automatic access control.

Technical features

Our solution is made of IP20 or IP55 Server cabinets with Micro Data Center functionality. It integrates an intelligent cooling system and includes UPS unit, power supply & access control system. The monitoring system is based on an agile and intuitive data architecture with a web interface featuring single-point management as well as control of status & efficiency of geographically distributed devices.

Advantages

MDC EDGE CUBE 4.0 is essential wherever there's data processing requirement with low latency connection and/or need for higher bandwidth.

REDUCED CAPEX
Investment and construction costs are significantly lower than these for a classic Data Center. Minor implementation costs.

SECURITY
Access control with automatic door-opening system in case of temperature surge.

INSTALLATION
Fast and simple plug-and-play installation, wherever data processing is required, in building interiors or industrial spaces.

MONITORING
Immediate visualization of reports and graphics in on-premise or Cloud modes with notification of alarms via e-mail and/or SMS.

REDUCED OPEX
The increase in energy efficiency is reducing drastically costs for cooling and power supply.

LOW TOTAL COST OF OWNERSHIP
It is not necessary to cool the whole IT area; the cooling unit is integrated in the rack and implementation time is shorter.

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Versions

	EDGE CUBE 4.0 IP20	EDGE CUBE 4.0 IP55	EDGE CUBE 4.0 IP20 Enterprise	EDGE CUBE 4.0 IP55 Enterprise
RACK CABINET 19"				
P/N	EC-IP20	EC-IP55	EC-IP20- E	EC-IP55-E
Dimensions (HxWxD)	42U 800 x 1000	42U 800 x 1000	42U 800 x 1000	42U 800 x 1000
Protection degree	IP20	IP55	IP20	IP55
Front door	Glass	Glass	Glass	Glass
Rear door	Blind	Blind	Blind	Blind
Available rack units	35U	35U	33U	33U
Area Occupied	0.80 m2	0.80 m2	0.80 m2	0.80 m2
Color	Black, RAL 9005	Grey, RAL 7035	Black, RAL 9005	Grey, RAL 7035
IN RACK AIR CONDITIONER				
Installation	Rack 19"/ 7U	Rack 19"/ 7U	Rack 19"/ 7U	Rack 19"/ 7U
Cooling power	3.6 kW	3.6 kW	3.6 kW	3.6 kW
Evaporated air flow	915 m3/h	915 m3/h	915 m3/h	915 m3/h
Noise level	57 dB(A)	57 dB(A)	57 dB(A)	57 dB(A)
OUTDOOR MOTOCONDENSING UNIT				
Installation	Outdoor	Outdoor	Outdoor	Outdoor
Total power consumption	1.1 kW	1.1 kW	1.1 kW	1.1 kW
Total drawn current	4.7 A	4.7 A	4.7 A	4.7 A
Coolant	R410A	R410A	R410A	R410A
Noise level	42 dB(A)	42 dB(A)	42 dB(A)	42 dB(A)
PDU				
Model	1 x PDU Basic 20xC13 + 4xC19, 3m cable with CEE 32A plug	1 x PDU Basic 20xC13 + 4xC19, 3m cable with CEE 32A plug	1 x Metered PDU 20xC13 + 4xC19 3 m cable with CEE 32A plug	1 x Metered PDU 20xC13 + 4xC19 3 m cable with CEE 32A plug
Installation	0U (assembly in the back of the cabinet)	0U (assembly in the back of the cabinet)	0U (assembly in the back of the cabinet)	0U (assembly in the back of the cabinet)
UPS				
Model	N/A	N/A	1 x 3kVA Online UPS (Air Conditioning and Monitoring)	1 x 3kVA Online UPS (Air Conditioning and Monitoring)
Maximum power nominal output	N/A	N/A	3kVA	3kVA
Power factor	N/A	N/A	0.9	0.9
Nominal tension	N/A	N/A	220-230-240 Vac	220-230-240 Vac
Nominal frequency	N/A	N/A	50/60 Hz ±5Hz	50/60 Hz ±5Hz
Installation	N/A	N/A	Rack 19"/ 2U	Rack 19"/ 2U
MONITORING				
Installation	N/A	N/A	0U (assembly inside the cabinet)	0U (assembly inside the cabinet)
Language	N/A	N/A	English-Italian	English/Italian
Temperature/Humidity sensor	N/A	N/A	Yes	Yes
Handle	N/A	N/A	Open and Close status	Open and Close status
UPS monitoring	N/A	N/A	Battery Level	Battery Level
PDU monitoring	N/A	N/A	Amps - Volts - Watts & KW / H	Amps - Volts - Watts & KW / H
Cooling monitoring unit	N/A	N/A	Set Point - On/Off - Alarm	Set Point - On/Off - Alarm