Micro Data Center with High-Capacity In-Row Cooling

PRODUCT OVERVIEW

High-Capacity MDC Double-Cabinet with In-Row Cooling

Outdoor Unit External Condenser

ArcTiv Micro Data Centers with High-Capacity In-Row Cooling are designed to power and cool rackmount IT systems in indoor applications and include a side-mount blower with external condenser. The high-capacity, multi-rack system supports high-power servers & switches and maximizes total available RMU and cooling capacity.

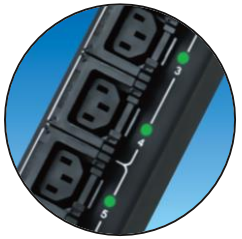
Benefits

High-Capacity Cooling	12.8kW side-mount in-row cooling system for a multi-rack system
Remote Monitoring	Securely access from anywhere via web interface
Alarm Settings	User-defined alarms sent to mobile device or network
Environmental Management	Integrated sensors for system monitoring
Power Management	Includes 10kVA UPS, PDU, surge protection and maintenance bypass
Device Reboot	Upgradeable, managed PDU's provide remote device reboot
Lowest Total Cost	Reduces the need for room-level cooling
Protects Harsh Environments	Reinforced for +95% external humidity rating
Emergency Ventilation	Automatic door release during over-temp

High-Capacity Power & Cooling

12.8kW In-Row DX Type Cooling Unit with External Condenser

10KVA Rackmount UPS, Battery, & PDM with Surge Protection and Bypass



Intelligent PDU with Switched Outlets and Remote Management

Environmental Management

10" HMI with Remote Access
- Web
- Mobile

Sensor Kit
- Temperature
- Humidity
- Smoke
- Water
- Door
- Cooling
- Power

3-in-1 Access Control (PIN, RFID, Fingerprint)

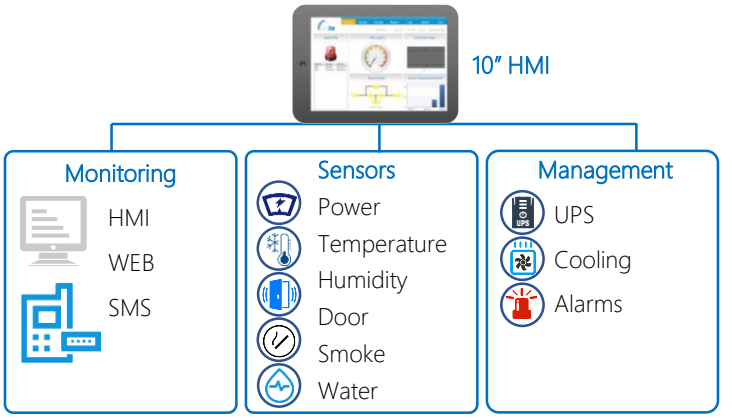
CE

Micro Data Center with High-Capacity In-Row Cooling

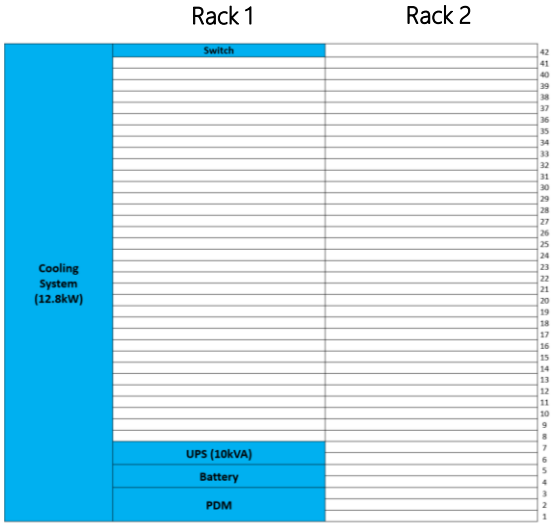
SPECIFICATIONS

Part Number		ATMDCIRC10
Cabinet	Total Racks	2 x 42U Racks (84U)
	Available RMU	76
	Rack Dimensions (HxWxD)	2000 x 600 x 1400 (mm)
	IP Rating	IP5X
	Front Door Style	Glass
	Rear Door Style	Split (Metal)
Cable & Air Management	Rear Cable Management	4 x Vertical Trays & Rings
	Front Cable Management	2 x 1U Horizontal Managers
	Blanking Panel	40 x 1U Metal Panels
Cooling System	Cooling Capacity	12.8kW, In-Row DX-Type
	Cooling Type	In-Row DX-Type with External condenser
	Refrigerant	R410A (Environmentally Friendly)
Power System	Input Power	208-230V, 50-60Hz
	UPS	1 x 10kVA, 2U, PF = 1.0
	Battery	16 x VRLA, 12V/9AH, 2U
	PDU	4 x Basic, 0U, 32A (12xC13, 4xC19)
	PDM	3U, Power Meter, Surge Protection, Maintenance Bypass
Monitoring	HMI	1 x 10" LCD Host & Controller with Modbus Protocol
	Integrated Sensors	Temperature, Humid, UPS, Cooling, Smoke, Water, Doors
	Network Protocol	Web Portal, MODBUS
Environment	Operating Temp & Humidity	Temperature: 0 – 60°C, 0 – 95% (Non-condensing)
Security	Access Control	6 x 3-in-1 Access Control (Fingerprint, RFID, and PIN)
Safety	Certifications	CE
	Warranty	1-Year

Monitoring System Overview



System Layout



© 2020 ArcTiv Technologies, LLC All Rights Reserved MDCHCIR DATA SHEET rev. 1