Micro Data Center with In-Row Cooling

PRODUCT OVERVIEW

ArcTiv Micro Data Centers with In-Row Cooling include a side-mount blower with external condenser. The high-capacity system maximizes total available RMU and cooling capacity for a single-rack system. Each system supports:

- Split DX-type cooling unit with high-capacity side-mount blower
- Power system with UPS, PDU, maintenance bypass and surge protection
- Environmental management system with remote access

Benefits

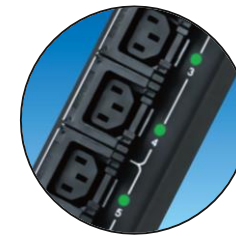|	
High-Capacity Cooling	Up to 7.6kW cooling for a single-rack system
Remote Monitoring	Securely access from anywhere via web interface
Alarm Settings	User-defined alarms sent to mobile device or network
Environmental Management	Integrated sensors for system monitoring
Power Management	Includes UPS, surge protection and maintenance bypass
Device Reboot	Managed PDU's provide remote 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

Power & Cooling	Environmental Management
In-Row Cooling Unit	10" HMI with Remote Access
Rackmount UPS and Battery	Hybrid Door with Automatic Release
Managed PDU	Access Control Video Monitoring

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SPECIFICATIONS

*MDC with
In-Row Cooling*

Outdoor Unit

System Capacity		ATMDCIRC7
Cabinet	Total RMU	42
	Available RMU	
	Width (mm)	900
	Depth (mm)	1400
	Height (mm)	2000
	IP Rating	IP5X
	Front Door Style	Glass
	Rear Door Style	Split (Metal)
Cooling	Cooling Capacity (kW)	7.6kW
	Refrigerant	R410A (Environmentally Friendly)
Power	Input Power	208-230V, 50-60Hz
	UPS Output (kVA)	10kVA
	Extended Battery	Optional
	PDU	Basic, 0U (16xC13)
	PDM	Incl. Maintenance bypass
Monitoring	HMI	10" LCD (Front Door)
	Monitoring Functions	Temp & Humid, UPS, Cooling, Smoke, Water, Door Status
	Network Protocol	Web Portal, MODBUS (Optional SNMP via adapter)
Environment	Operating Temp	Temperature: 0 – 60°C
	Operating Humidity	0 – 95% (Non-condensing)
Safety	Certifications	CE, RoHS
	Warranty	1-Year (Standard), Extended options available

System Overview

10" HMI

Monitoring	Sensors	Management
• HMI	• Power	• UPS
• WEB	• Temperature	• Cooling
• SMS	• Humidity	• Alarms
	• Door	
	• Smoke	
	• Water	
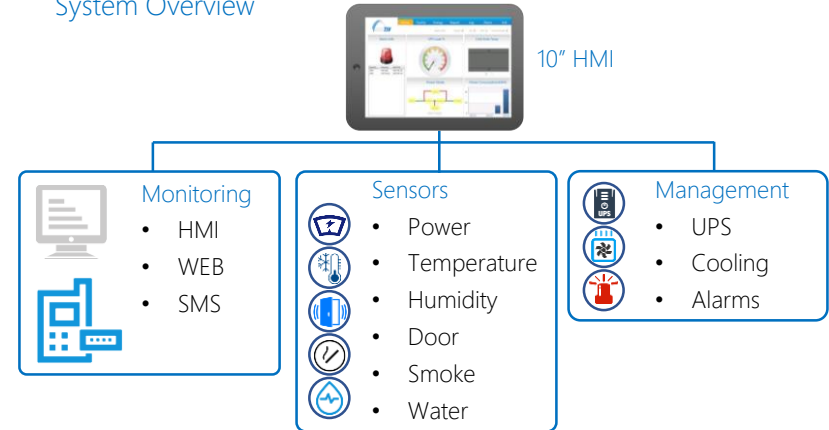
Standard Options

Electronic Security	Managed PDU (0U or 1U)	Media Converter (ModBus to SNMP)

NVR & IP Camera	Extended Battery	Fire Suppression