Micro Data Center with Split Cooling

PRODUCT OVERVIEW

ArcTiv Micro Data Centers with Split Cooling provide a complete rack, power and cooling solution for on-premise, edge-computing IT applications. Each MDC includes a rackmount blower and DX-type external condenser for quiet operation in office or manufacturing applications. Remote management features allow IT managers to set alarms and real-time monitor system performance without having be located on-site.

Front View
Glass Door with Front-Panel 10" HMI

Benefits	
High Density	Up to 3.9kW cooling for a single-rack system (42U)
Remote Monitoring	Securely access from anywhere via web interface
Easy Installation	Pre-Installed components can be easily commissioned
Environmental Management	Integrated sensors for remote system monitoring
Power Management	Includes UPS, surge protection and maintenance bypass
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-temperature

Precision Power & Cooling	Remote Monitoring
Split Cooling Unit with Blower DX-Type External Condenser for Quiet Operation	**All-in-1 HMI** Network Controller and HMI with Remote Monitoring
Reliable, Clean Power UPS, PDM & PDU Enhance Power Quality and Up-Time	**3-in-1 Access Control** RFID, Fingerprint & PIN with system log

CE

ARCTIV™
IT Solutions Provider

Micro Data Center with Split Cooling

SPECIFICATIONS

System Capacity		ATMDCS4
Cabinet	Total RMU	42
	Available RMU	31 (29 with UPS Battery)
	Rack Size (HxWxD) (mm)	2000 x 600 x 1400
	IP Rating	IP54
	Front Door Style	Glass
	Rear Door Style	Split (Metal)
	Horizontal Cable Mgmt	1 x 1U
	Vertical Cable Manager	2 x 42U (Rear)
	Blanking Panels	20 x 1U
	Auto Door Release	Yes, Over-temp
	Lights	Front (Blue), Rear (Red)
Cooling	Cooling Capacity (kW)	3.9kW
	Cooling Unit Type	Split Blower & Condenser w/o Humidification
	Blower Height	6U
	Refrigerant	R410A (Environmentally Friendly)
Power	Input Power	208-230V, 50-60Hz
	UPS Output (kVA)	6kVA, Rackmount (2U)
	UPS Power Factor	0.8
	UPS Internal Battery	N/A
	UPS External Battery	VRLA Type: 16 x 12V/9AH (2U)
	PDU	1 x Basic, 0U 32A (12 x C13, 4 x C19)
	PDM	Maintenance Bypass, Surge (3U)
Monitoring	HMI	10" LCD (0U)
	Monitoring Functions	Temp & Humid, UPS, Cooling, Smoke, Water, Door
	Network Protocol	Web Portal, MODBUS
Security	Access Control	2 x RFID, Fingerprint, PIN
	RFID Card	10
Environment	Operating Temp	Temperature: 0 – 60°C
	Operating Humidity	0 – 95% (Non-condensing)
Safety	Certifications	CE
	Warranty	1-Year

Monitoring & Management System

10" HMI

Monitoring
- HMI
- Web
- SMS

Sensors
- Power
- Temperature
- Humidity
- Door
- Smoke
- Water

Management
- UPS
- Cooling
- Alarms
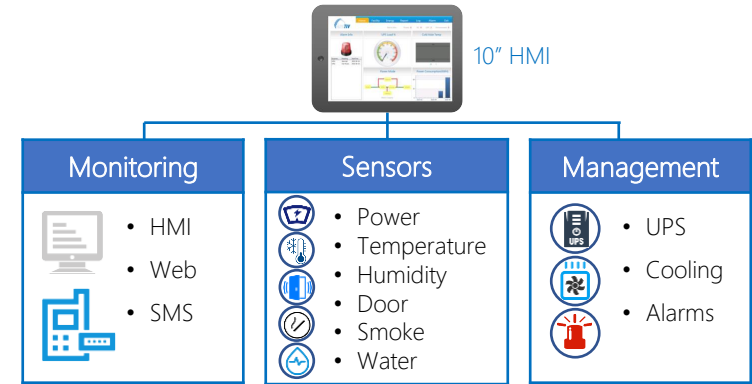
System Options (Upgradeable)

Intelligent PDU (1U or 0U)

Modbus to SNMP Converter

Fire Extinguisher (1U)

Dual-Style Vented & Glass Door with Auto-Release

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