

Micro Data Center with Integrated Cooling

PRODUCT OVERVIEW



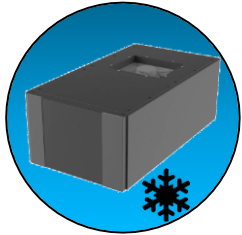



Front View
Auto-Door Release During Over-temp



Rear View
Split Doors with Top-Mount Cooling

ArcTiv Micro Data Centers with Integrated Cooling provide a complete rack, power and cooling solution for on-premise, edge-computing IT applications. The top-mount cooling unit with built-in condenser can be easily deployed in indoor applications without requiring building modification. Remote management features allow IT managers to set alarms and real-time monitor system performance without having to be located on-site.

Benefits	
High Density	Up to 3.5kW cooling for a single-rack system (33U)
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
 <p>Top-Mount Cooling Unit Built-in Compressor for Easy Deployment</p>	 <p>All-in-1 HMI Network Controller and HMI with Remote Monitoring</p>
 <p>Reliable, Clean Power UPS, PDM & PDU Enhance Power Quality and Up-Time</p>	 <p>3-in-1 Access Control RFID, Fingerprint & PIN with system log</p>

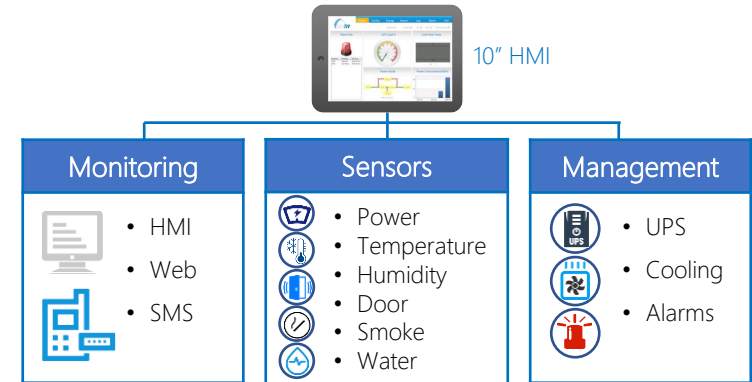


Micro Data Center with Integrated Cooling

SPECIFICATIONS

System Capacity		ATMDCIC2	ATMDCIC3
Cabinet	Total RMU	24	33
	Available RMU	19	26
	Rack Size (HxWxD) (mm)	1200 x 600 x 1100	1600 x 600 x 1200
	IP Rating	IP54	IP54
	Front Door Style	Glass	Glass
	Rear Door Style	Split (Metal)	Split (Metal)
	Horizontal Cable Mgmt	1 x 1U	1 x 1U
	Vertical Cable Manager	2 x 24U (Rear)	2 x 33U (Rear)
	Blanking Panels	10 x 1U	20 x 1U
	Auto Door Release	Yes, Over-temp	Yes, Over-temp
	Lights	Front (Blue), Rear (Red)	Front (Blue), Rear (Red)
	Cooling	Cooling Capacity (kW)	2.5kW
Cooling Unit Type		Top-Mount w/o Humidification	Top-Mount w/o Humidification
Cooling Unit Height		9U	9U
Refrigerant		R410A (Environmentally Friendly)	R410A (Environmentally Friendly)
Power	Input Power	208-230V, 50-60Hz	208-230V, 50-60Hz
	UPS Output (kVA)	3kVA, Rackmount (2U)	6kVA, Rackmount (2U)
	UPS Power Factor	0.8	0.8
	UPS Internal Battery	VRLA Type: 6 x 12V/9AH	N/A
	UPS External Battery	N/A	VRLA Type: 16 x 12V/9AH (2U)
	PDU	1 x Basic, 0U 16A (6 x C13, 2 x C19)	1 x Basic, 0U 32A (12 x C13, 4 x C19)
Monitoring	PDM	Maintenance Bypass, Surge (3U)	Maintenance Bypass, Surge (3U)
	HMI	10" LCD (0U)	10" LCD (0U)
	Monitoring Functions	Temp & Humid, UPS, Cooling, Smoke, Water, Door	Temp & Humid, UPS, Cooling, Smoke, Water, Door
Security	Network Protocol	Web Portal, MODBUS	Web Portal, MODBUS
	Access Control	2 x RFID, Fingerprint, PIN	2 x RFID, Fingerprint, PIN
Environment	RFID Card	10	10
	Operating Temp	Temperature: 0 – 60°C	Temperature: 0 – 60°C
Safety	Operating Humidity	0 – 95% (Non-condensing)	0 – 95% (Non-condensing)
	Certifications	CE	CE
	Warranty	1-Year	1-Year

Monitoring & Management System



System Options (Upgradeable)



Intelligent PDU (1U)



Modbus to SNMP Converter



Fire Extinguisher (1U)



Dual-Style Vented & Glass Door with Auto-Release