

Rittal – The System.

Faster – better – everywhere.

► RiMatrix Micro Data Centers Edge Standalone Solutions MDC Blue e+ Large (5.8kW)

Simplify the specification process for your standalone Edge Micro Data Center application with Rittal's pre-engineered Edge Air Conditioner (EAC) platform designs. These integrated enclosure solutions are equipped with cooling, power, monitoring, fire suppression, and accessories.

Designed for unconditioned spaces, this single enclosure solution protects critical IT equipment against dust, water, fire, and intrusions.

The Micro Data Center Standalone Platform utilizes the Rittal Blue e+ wall-mounted air conditioner with highly efficient hybrid technology. The unit contains both an active cooling circuit with speed-regulated components for demand-based cooling and an integral heat pipe for passive cooling.



RiMatrix Micro Data Center

Pre-engineered solutions with minimal site preparation - unpack, install, deploy, and repeat	✓
Sealed to protect mission critical IT equipment from dust, dirt, and water	✓
Safety, security, stability - designed to maximize uptime	✓
Remote monitoring and control for locations with limited IT support infrastructure	✓

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System Parameters

MDC Blue e+ Large (5.8kW)

General Information	Model Number	EAC-58M	EAC-58S
	IT Load	5.8kW Max.; actual capacity based on installation parameters.	
	System Equipment	1 IT enclosure, 1 Blue e+ cooling unit	
	Overall Dimensions	83" (H) x 48" (W) x 40" (D)	
	System Color	Light gray (RAL 7035)	

Base System

IT Enclosure	Type/Doors	42U enclosure with glass viewing front and solid rear doors	
	Dimensions	42U/79" (H) x 32" (W) x 40" (D)	
	Accessories	Cable Management, Base Gland Plate, Sidewalls, LED light	
	Roof	3 part multi-functional for cable entry	Solid
	Protection Category	To NEMA 12 / IP 55 except for cable management roof (sealing kit provided)	NEMA 12 / IP 55
Cooling	Type	Self-contained Blue e+ air conditioner with two cooling circuits: active refrigerant cycle and passive hybrid heat pipe technology. IoT Interface for remote monitoring.	
	Mounting Location	Sidewall	
	Dimensions	63" (H) x 18" (W) x 15" (D)	
	Input Voltage	380-480V, 3~, 50-60Hz	
	Refrigerant	R134a	
	Condensate	Integrated electric condensate evaporator	
Base	Base (Plinth)	4" raised base on IT enclosure for installation on slab floor	

Options

Power	UPS	1x - 6000VA/5400W, NEMA L6-30P Input, (2) L6-20R & (2) L6-30R Receptacles, 208V, Rack/tower	
	Rack PDU: Basic	1x - 5.5kW Single-Phase 208V/230V PDU, (32) C13 & (6) C19 Outlets, NEMA L6-30P Input, 0U	
	Rack PDU: Metered	1x - 5.76kW Single-Phase 208V PDU, (36) C13 & (6) C19 Outlets, NEMA L6-30P Input, Metered Inlet, 0U	
Monitoring	Environmental	Vandalism, temperature/humidity, leak. Additional sensors available.	
	Remote	Remote monitoring on web browser; alerts via SNMP and other protocols	
Security	Rack Access	Rack access control with PIN pad or card reader. Optional network camera	
Safety	Fire Suppression	In-rack 1U fire suppression system with Novec 1230; with start-up service. Sealing kit provided for roof brush strips	In-rack 1U fire suppression system with Novec 1230; with start-up service
Services	On-Site	Installation, configuring, start-up service, preventative maintenance	

For additional information, please contact our Rittal Customer Service team at:

1-800-477-4000 or e-mail customerservice@rittal.us

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