

Rittal – The System.

Faster – better – everywhere.

RiMatrix Micro Data Centers Edge Standalone Solutions Blue e+ Small (1.3kW)

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, smoke detection, and accessories.

This single compact enclosure solution is designed to deploy in unconditioned environments and provides protection of your IT equipment from contaminants.

The Edge Micro Data Center utilizes the Rittal Blue e+ roof-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

Single enclosure solution designed to install in space constrained locations.	✓
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

Blue e+ Small (1.3kW)

General Information	Model Number	EAC-13R
	IT Load	1.3kW Max.; actual capacity based on installation parameters.
	System Equipment	1 IT enclosure, 1 Blue e+ roof cooling unit
	Overall Dimensions	60" (H) x 32" (W) x 40" (D)
	Color	Light gray (RAL 7035)

Base System

IT Enclosure	Type/Doors	24U enclosure with glass viewing front and solid rear doors
	Dimensions	24U/47" (H) x 32" (W) x 40" (D)
	Accessories	Cable Management, Base Gland Plate, Sidewalls, LED light
	Protection Category	NEMA 12 / IP 54
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	Roof
	Dimensions	12" (H) x 18" (W) x 22" (D)
	Input Voltage	Multi-voltage capabilities for global installations: 110-240V, 1~, 50-60Hz 380-480V, 3~, 50-60Hz
	Refrigerant	R134a
Base	Base (Plinth)	4" raised base on IT enclosure for installation on slab floor

Options

Power	UPS	1x - 2200VA/1920W, NEMA 5-20P input, (8) 5-20R Receptacles, 120V, Rack/tower
	Rack PDU: Basic	1x - 2.4kW Single-Phase 120V PDU, (13) NEMA 5-15/20R Outlets, NEMA 5-20P Input, 1U Rack-Mount
	Rack PDU: Metered	1x - 1.92kW Single-Phase 120V PDU, (12) NEMA 5-15/5-20R Outlets, NEMA 5-20P Input, Metered Inlet, 1U Rack Mount
Monitoring	Environmental	Vandalism, temperature/humidity, leak. Additional sensors available.
	Remote	Remote monitoring on web browser; alerts via SNMP and other protocols
Security	Rack Access	Key lock; access notification. Optional network camera.
Safety	Smoke Detection	Optical smoke sensor
Services	On-Site	Installation, configuring, start-up service, preventative maintenance

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