



EMX Series and Sensors

Smart Rack Controller and Sensors

Raritan’s smart rack controller is an IP-based appliance and a central access point for all of Raritan’s environmental sensors such as temperature and humidity. In conjunction with Raritan’s data center infrastructure management solution (DCIM) this comprehensive rack monitoring tool provides sensor readings and asset management helping you to improve the total cost of ownership (TCO) of your data center operations.



2 Models to Choose From
 EMX-111 small form factor controller supporting up to 16 sensors and 1 rack of assets or EMX-888 1U controller for up to 130 sensors and 8 racks of assets.



Various Sensor Options
 Support for up to 130 optional external plug-and-play sensors that monitor and help manage critical environmental conditions.

Features and Benefits

The Raritan EMX is a central connection point for all of Raritan’s environmental sensors. The EMX smart rack controller offers up to eight sensor ports, eight feature ports for Raritan’s dynamic asset-tracking solution and eight RS-485 ports, all in a 1U form factor. Raritan’s rack monitoring solution helps data center and facilities managers:

- Minimize the hours needed to track IT assets
- Ensure uptime by monitoring racks for possible hot spots.
- Save on cooling costs by confidently raising data center temperatures
- Maintain cabinet security with USB webcams and contact closure sensors
- Improve data center uptime by receiving environment alerts
- Make strategic decisions on environmental design and modifications

A total solution to manage and monitor your rack environment

Built-in connectivity for environment sensors, serial, USB, wired or wireless network, and asset management tagging. The EMX is compatible with 3rd party management tools and Raritan’s DCIM software solutions Power IQ® (power infrastructure management) and dcTrack® (data center operations management). Easy to use and easy on your budget.

Available EMX Models	
EMX2-111	Smart rack controller with 1 RJ-12 sensor port, 1 RJ-45 feature port for AMS, 1 RJ-45 RS-485 port, 1 USB-A port, 1 USB-B port, 1 RJ-45 Ethernet port, 1 DB-9M console/modem, LCD display
EMX2-888	Smart rack controller with 8 RJ-12 sensor ports, 8 RJ-45 feature ports for AMS, 8 RJ-45 RS-485 ports, 2 USB-A ports, 1 USB-B port, 1 RJ-45 Ethernet port, 1 DB-9M console/modem, 2 contact closure, LCD display
Certifications	
	Certifications include FCC Part 15, A; SAA, CE, RoHS/WEEE compliant.
Warranty	
	Two years. In addition Raritan offers two years extended warranty.
Environmental Sensors	
DPX-T1	Single temperature sensor - 3m (10ft) cable length - RJ-12 connector
DPX-T1H1	Single combo temperature and humidity sensors - 3m (10ft) cable length - RJ-12 connector
DPX-T2H2	Dual combo temperature and humidity sensors - 3m (10ft) cable length and additional 3m (10ft) between combination sensors - RJ-12 connector
DPX-T3H1	Combo of three temperature and one humidity sensors (T, T+H and T) - 3m (10ft) cable length and additional 3m (10ft) between combination sensors - RJ-12 connector
DPX-T1DP1	Differential air pressure with temperature sensor
DPX-AF1	Single airflow sensor
DPX-ENVHUB4	4-port hub for Raritan environmental sensors only; comes with mounting bracket and RJ12-to-RJ12 cable to connect to, and receive power from EMX
DPX-CC2-TR	Dual contact closure sensor - RJ-12 connector
DPX-WSF-KIT	Floor water sensor plus contact closure sensor
DPX-WSC-35-KIT	3.5m (11ft) rope water sensor plus contact closure sensor
DPX-WSC-70-KIT	7m (23ft) rope water sensor plus contact closure sensor



Endorser of the EU Code of Conduct on Data Centre Energy Efficiency

Formulated by the EU's Joint Research Centre, the Code is a measured response to the energy challenges the EU faces. It's aim is to encourage companies with data centers to reduce energy consumption while ensuring business objectives continue to be met.

As an endorser, Raritan have pledged to implement the Code's ethos through devising products and services that help organizations to bring their data centers into line with its best practice recommendations.

Call +31 (0)10 284 4040 or visit www.raritan.eu

Raritan is a proven innovator of power management solutions, DCIM software, and KVM-over-IP for data centers of all sizes. Based in Somerset, NJ, Raritan has a global presence across 38 offices, serving 76 countries and 50,000 locations worldwide. Raritan's award-winning hardware and software solutions increase energy efficiency, improve reliability, and raise productivity. For more information, please visit www.raritan.eu or call +31 (0)10 284 4040.

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