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secure server management

EMD5000 Environmental Management

The Environmental Monitor Device protects critical data center assets from heat, humidity, smoke, water leaks, cabinet intrusion and other environmental conditions

BENEFITS

- Provides IT and facilities managers with around-the-clock monitoring of environmental conditions at the rack level
- Each EMD monitors temperature, humidity, and status of two contacts/sensors
- Works with Opengear console server ensuring out of band alert transmissions and secure access
- Readily available smoke detector, vibration sensor, water leak detector and door open/close sensor
- Maintains log records of temperature, humidity and sensor events
- Auto-sends alarms on any *critical* or *warning* threshold and on contact closure events
- Email, SMS, SNMP and Nagios alerts enable rapid problem diagnosis and resolution

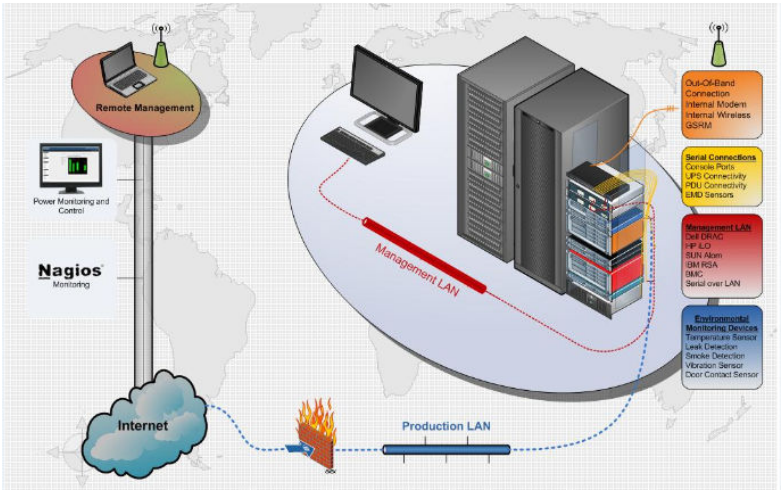
The Opengear EMD5000 environmental monitoring device enables you to remotely monitor environmental conditions using a standard Web browser.

You can view the ambient temperature and humidity of the remote environment and set the EMD to automatically send alarms progressively from warning levels to critical alerts. So you are warned if the temperature in a remote equipment rack begins to rise and can plan preventative action. Similarly, a warning of rising humidity in an air-conditioned room could be a sign of a duct leak, open door, roof leak, etc.

The EMD also monitors the status of two external dry contacts which can be connected to a smoke detector, water detector, vibration or open-door sensor.

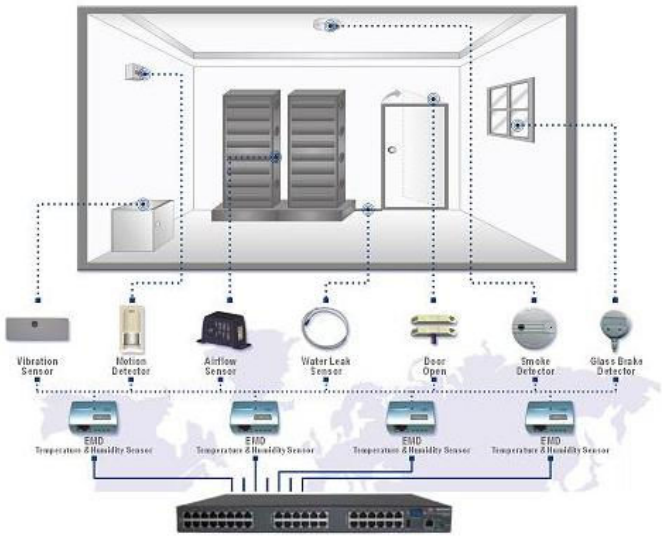
The EMD connects to a serial port on any Opengear console server with an adapter and CAT5 cable so authorized users can securely monitor the environment at remote sites. The console server also provides out-of-band access and out- dial failover ensures alerts are transmitted.

Each EMD device has one temperature and one humidity sensor and provides two general purpose status sensors in one small module. Each console server can support multiple EMDs providing distributed monitoring any site.



FEATURES

- Monitors temperature, humidity, and status of two contacts/sensors
- Measures ambient temperatures between -20 ºand 80 ºC
- Measures relatively humidity between 10 and 90 percent
- Readily available smoke detector, vibration sensor, water leak detector and door open/close sensor plus support for user-provided universal contact devices (any sensor device with normally-open or closed)
- Connects to a serial port Opengear console server with custom adapter and can attach multiple EMD devices
- EMD can be located up to 10 meters (33 feet) from the console server with a straight-through CAT5 network cable
- No need for external power supply as power is drawn from console server serial port
- Displays current status and history in console server web-based GUI
- Maintains local and remote audit logs of temperature, humidity and sensor status for statistical analysis and event diagnostics
- User-defined alarm thresholds allow you to set acceptable temperature and humidity limits
- Auto-sends alarms on any *critical* or *warning* threshold and on contact closure events via email, SMS, SNMP trap and Nagios
- Quick and easy installation (Hot-swappable)
- One-year limited warranty with option for enhanced warranty



Temperature Monitor	Measures temperatures between 0 and 80ºC with an accuracy of +/-1ºC
Humidity Monitor	Measures relative humidity between 10 and 90% RH with an accuracy of +/-5%
Digital Input	Two inputs (normally-open or closed)
Power	Each EMD draws its power from console server serial port
LED Display	Power/Status
Dimensions	2.26 x 1.48 x 1.15 in 57.4 x 37.6 x 29.2 mm
Weight	1.19 oz. (34 g)
Regulatory	FCC Class B, UL, CUL, CE

Smoke detector, vibration sensor, water leak detector and door open/close sensors:

Part #	Description
EMD5000	Environmental Monitor
EMD5781	Door Contact Sensor
EMD5782	Vibration Sensor
EMD5779	Smoke Detector/Alarm (220VAC, IEC C-13)
EMD5890	Smoke Detector/Alarm (110VAC,NEMA 5-15)
EMD5780	Water Leak Detector 3 ft

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