

Micro Environment Monitoring System / Remote Temperature/Humidity Sensor over IP

ENVIROMUX®

Monitor and manage environmental and security conditions over IP. Provides early warnings before critical events turn into disaster.

Environment Monitoring

- Temperature
- Humidity
- Water Leaks
- Air Flow
- Power
- Motion / Intrusion
- Vibration
- Smoke / Carbon Monoxide

Alert Notifications

- Email
- SNMP
- Web Page
- SMS

Key Features

- Sensors supported by a single E-MICRO:
 - 1 integrated temperature/humidity combination sensor
 - 2 RJ45 ports for external temperature/humidity sensors
 - 2 digital inputs sensitive to contact closure
- Dual DC power provides dual redundancy.
- Available with optional built-in Power over Ethernet.
- Sensors are hot pluggable.
- Monitor (ping) up to 4 IP network devices – alerts are sent if devices are not responding.
- Create multiple alerts for any installed sensor.
- Sensor conditions can be configured to trigger alerts by themselves, and/or be used in combination with other alerts to trigger one Smart Alert.
- Configure up to 32 alerts, and one Smart Alert.
- Alerts are posted in message log, which is accessible through Web user interface.
- Supports 4 IP network video cameras for live view of any facility.
- Integrates with various Open Source SNMP monitoring packages – Nagios.
- The unit can be polled via SNMP.
- Optional intuitive graphical management software provides an easy-to-use, unified interface for both monitoring and configuring up to 3,000 ENVIROMUX units and all connected sensors.
- Optional Android App provides an easy-to-use interface for monitoring sensor statuses and acknowledging/dismissing sensor alerts from an unlimited number of E-MICRO units.
- Integrated mounting brackets for easy surface/wall mounting.
 - Optional DIN mounting available.
- Security: HTTPS, TLS v1.2, AES 256-bit encryption, 16-character username/password authentication, user account restricted access rights.
- Use in data centers, co-lo sites, web hosting facilities, telecom switching sites, POP sites, server closets, or any unmanned area that needs to be monitored.

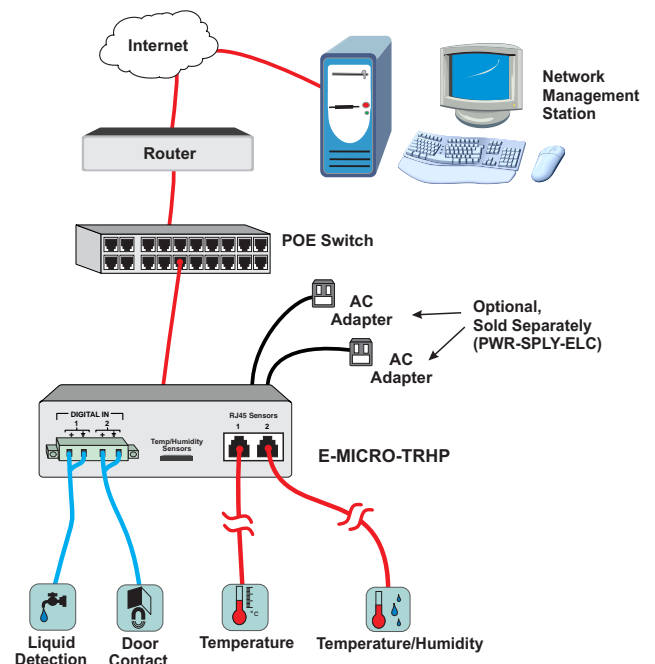


E-MICRO-TRH

- **Integrated temp/humidity sensor, 2 RJ45 temp/humidity ports, 2 digital inputs**
- **Power over Ethernet option**

The ENVIROMUX® Micro Environment Monitoring System monitors critical environmental conditions, such as temperature, humidity, liquid water presence, power, intrusion, and smoke. When a sensor goes out of range of a configurable threshold, the system will notify you via email, web page, network management (SNMP), and/or SMS messages (via email-to-SMS).

The system functions independently or as an IP-connected remote sensor for the E-2D/5D/16D. It features an integrated temperature/humidity sensor, two RJ45 sensor ports for external temperature/humidity sensors, two dry contact inputs and optional built-in Power over Ethernet (PoE).



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	E-MICRO-TRH	E-MICRO-TRHP
Integrated Sensors	1	2
Temperature (in moving air – minimum airflow 8.2 ft/s (2.5 m/s))	-4 to 167°F (-20 to 75°C) ±0.72°F at 14 to 167°F (±0.40°C at -10 to 75°C) ±0.9°F at -4 to 14°F (±0.5°C at -20 to -10°C)	-4 to 167°F (-20 to 75°C) ±0.72°F at 14 to 167°F (±0.40°C at -10 to 75°C) ±0.9°F at -4 to 14°F (±0.5°C at -20 to -10°C)
Humidity	0 to 80% relative humidity, ±3% 80 to 90% relative humidity, ±4%	0 to 80% relative humidity, ±3% 80 to 90% relative humidity, ±4%
RJ45 Sensor Ports	2 Compatible with: E-T-E25, E-T-IND-E7, E-TRHM-E25	2 Compatible with: E-T-E25, E-T-IND-E7 E-TRHM-E25
Digital Inputs – Screw Terminal Pairs	2	2
Alerts	5 Methods	5 Methods
Email	✓	✓
Web Page	✓	✓
SNMP traps (v1, v2c, v3)	✓	✓
Syslog	✓	✓
SMS Messages	✓ – via email-to-SMS alerts	✓ – via email-to-SMS alerts
Smart Alerts	1	1
IP Cameras	✓ – up to 4 cameras	✓ – up to 4 cameras
Control Methods	3 Methods	3 Methods
Web Interface	✓	✓
Telnet Monitoring	✓	✓
SNMP Monitoring (V1, V2c, V3)	✓	✓
Expandable	Up to 3,000 units via optional management software	Up to 3,000 units via optional management software
Flash Upgrade	✓	✓
Protocols Supported HTTP/HTTPS, SNMP V1/V2c/V3, SMTP, TCP/IP, Syslog, SNTP, DHCP, TLS v1.2, AES 256-bit, 3DES, Blowfish, RSA, EDH-RSA, Arcfour	✓	✓
HTTP REST API	✓	✓
Restore Defaults Button	✓	✓
Operating & Storage Temperature	-4 to 167°F (-20 to 75°C)	-4 to 167°F (-20 to 75°C)
Operating & Storage Relative Humidity	0 to 90% non-condensing RH	0 to 90% non-condensing RH
Monitor (Ping) IP Devices	✓ – up to 4 network devices	✓ – up to 4 network devices
Power	Dual DC Power 100 to 240 VAC at 50 or 60 Hz via AC adapter (Includes one country-specific AC adapter. The second AC adapter is sold separately.) 5.5VDC ±5% input voltage	Built-in Power-over-Ethernet (POE) Dual DC Power 100 to 240 VAC at 50 or 60 Hz via AC adapter (Not included. Country-specific AC adapters sold separately – PWR-SPLY-ELC) 5.5VDC ±5% input voltage
MTBF	628,394 hours	577,812 hours
Dimensions WxDxH (in)	4x3.44x1.37	4x3.44x1.37
Mounting	Mounting holes to match rack hole spacing	Mounting holes to match rack hole spacing
Regulatory Approvals	CE, RoHS	CE, RoHS
Warranty	2 years	2 years