

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.

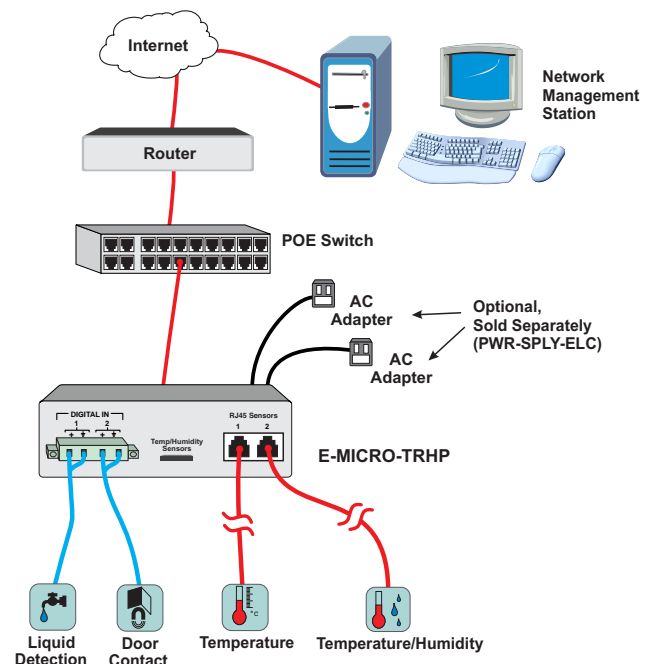


E-MICRO-TRH

- **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)) (See manual for accuracy details) | -4 to 167°F (-20 to 75°C) Accuracy: $\pm 0.72^{\circ}\text{F}$ to $\pm 1.62^{\circ}\text{F}$ ($\pm 0.40^{\circ}\text{C}$ to $\pm 0.90^{\circ}\text{C}$) | -4 to 167°F (-20 to 75°C) Accuracy: $\pm 0.72^{\circ}\text{F}$ to $\pm 1.62^{\circ}\text{F}$ ($\pm 0.40^{\circ}\text{C}$ to $\pm 0.90^{\circ}\text{C}$) |
| Humidity (See manual for accuracy details) | 0 to 90% relative humidity Accuracy: $\pm 3\%$ to $\pm 5\%$ at 77°F/25°C | 0 to 90% relative humidity Accuracy: $\pm 3\%$ to $\pm 5\%$ at 77°F/25°C |
| 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 | Built-in Power-over-Ethernet (POE) 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.) | 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 $\pm 5\%$ input voltage | 5.5VDC $\pm 5\%$ 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 |



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