

# 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.

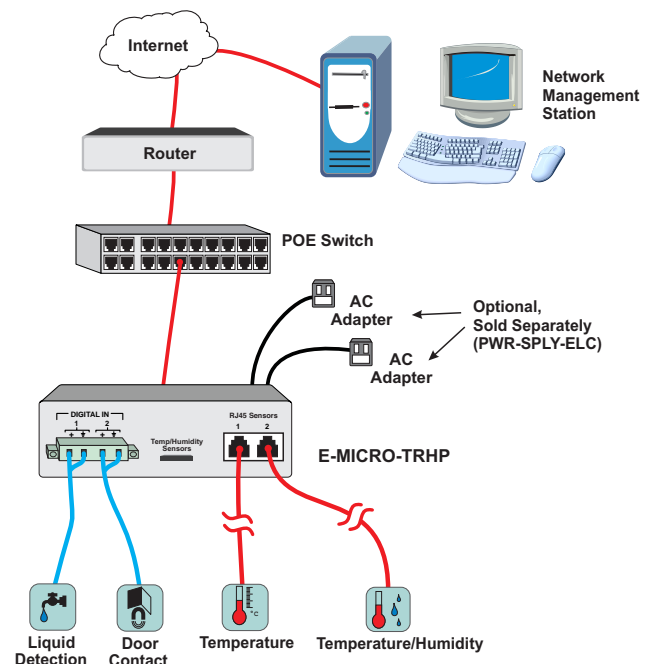


**E-MICRO-TRH**

- **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
<b>Integrated Sensors</b>	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: ±0.72°F to ±1.62°F (±0.40°C to ±0.90°C)	-4 to 167°F (-20 to 75°C) Accuracy: ±0.72°F to ±1.62°F (±0.40°C to ±0.90°C)
Humidity (See manual for accuracy details)	0 to 90% relative humidity Accuracy: ±3% to ±5% at 77°F/25°C	0 to 90% relative humidity Accuracy: ±3% to ±5% at 77°F/25°C
<b>RJ45 Sensor Ports</b>	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
<b>Digital Inputs – Screw Terminal Pairs</b>	2	2
<b>Alerts</b>	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
<b>Smart Alerts</b>	1	1
<b>IP Cameras</b>	✓ – up to 4 cameras	✓ – up to 4 cameras
<b>Control Methods</b>	3 Methods	3 Methods
Web Interface	✓	✓
Telnet Monitoring	✓	✓
SNMP Monitoring (V1, V2c, V3)	✓	✓
<b>Expandable</b>	Up to 3,000 units via optional management software	Up to 3,000 units via optional management software
<b>Flash Upgrade</b>	✓	✓
<b>Protocols Supported</b> HTTP/HTTPS, SNMP V1/V2c/V3, SMTP, TCP/IP, Syslog, SNTP, DHCP, TLS v1.2, AES 256-bit, 3DES, Blowfish, RSA, EDH-RSA, Arcfour	✓	✓
<b>HTTP REST API</b>	✓	✓
<b>Restore Defaults Button</b>	✓	✓
<b>Operating &amp; Storage Temperature</b>	-4 to 167°F (-20 to 75°C)	-4 to 167°F (-20 to 75°C)
<b>Operating &amp; Storage Relative Humidity</b>	0 to 90% non-condensing RH	0 to 90% non-condensing RH
<b>Monitor (Ping) IP Devices</b>	✓ – up to 4 network devices	✓ – up to 4 network devices
<b>Power</b>	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
<b>MTBF</b>	628,394 hours	577,812 hours
<b>Dimensions WxDxH (in)</b>	4x3.44x1.37	4x3.44x1.37
<b>Mounting</b>	Mounting holes to match rack hole spacing	Mounting holes to match rack hole spacing
<b>Regulatory Approvals</b>	CE, RoHS	CE, RoHS
<b>Warranty</b>	2 years	2 years