

# 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 Messages

## Key Features

- ENVIROMUX-MICRO-T
  - 1 integrated sensor – temperature
  - 2 RJ45 ports for external temperature/humidity sensors
  - 2 digital inputs sensitive to contact closure
  - Dual DC power provides dual redundancy.
- ENVIROMUX-MICRO-TRHP
  - 2 integrated sensors – temperature, humidity
  - 2 RJ45 ports for external temperature/humidity sensors
  - 2 digital inputs sensitive to contact closure
  - Built-in Power over Ethernet (POE) and dual DC power provides triple redundancy.
- Sensors are hot pluggable.
- Monitor (ping) up to 4 IP network devices – alerts are sent if devices are not responding.
- Sensor conditions can be configured to trigger alerts by themselves, and/or be used in combination with other alerts to trigger one Smart Alert.
- Supports 4 IP network video cameras for live view of any facility.
- USB port for connecting USB modem.
- Integrates with various Open Source SNMP monitoring packages – Nagios and MRTG
  - The unit can be polled via SNMP.
- (Coming Soon) 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.

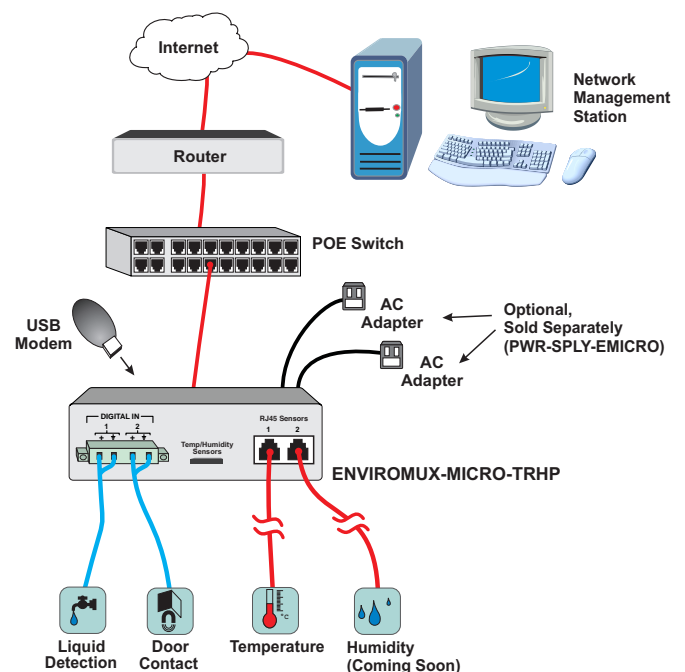


**ENVIROMUX-MICRO-T**

- Integrated temp/humidity sensors, 2 temp/humidity ports, 2 digital inputs
- USB port for 3G modem
- 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 external USB 3G modem).

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



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	ENVIROMUX-MICRO-T	ENVIROMUX-MICRO-TRHP
<b>Integrated Sensors</b>	1	2
Temperature	-4 to 167°F (-20 to 75°C) ±0.72°F at -14 to 167°F (±0.4°C at -10 to 75°C) ±0.9°F at -4 to 23°F (±0.5°C at -20 to 5°C)	-4 to 167°F (-20 to 75°C) ±0.72°F at -14 to 167°F (±0.4°C at -10 to 75°C) ±0.9°F at -4 to 23°F (±0.5°C at -20 to 5°C)
Humidity	N/A	0 to 80% relative humidity, ±2% 80 to 90% relative humidity, ±3%
<b>RJ45 Sensor Ports</b>	2 Compatible with: ENVIROMUX-T-E7, ENVIROMUX-T-IND-E7, ENVIROMUX-TRHM-E7	2 Compatible with: ENVIROMUX-T-E7, ENVIROMUX-T-IND-E7 ENVIROMUX-TRHM-E7
<b>Digital Inputs – Screw Terminal Pairs</b>	2	2
<b>Alerts</b>	5 Methods	5 Methods
Email	✓	✓
Web Page	✓	✓
SNMP traps (v1, v2c)	✓	✓
Syslog	✓	✓
SMS Messages	✓ – via external USB 3G modem (not included)	✓ – via external USB 3G modem (not included)
<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)	✓	✓
<b>USB Ports for Modem</b>	1	1
<b>Expandable (Coming Soon)</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, SMTP, TCP/IP, Syslog, SNTP, DHCP, SSLv3, AES 256-bit, 3DES, Blowfish, RSA, EDH-RSA, Arcfour	✓	✓
<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 99% non-condensing RH	0 to 99% 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	Built-in Power-over-Ethernet (POE) Dual DC Power
	110 to 240 VAC at 50 or 60 Hz via AC adapter (Includes one country- specific AC adapter. The second AC adapter is sold separately.)	110 to 240 VAC at 50 or 60 Hz via AC adapter (Not included. Country-specific AC adapters sold separately – PWR-SPLY-EMICRO)
<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

Note: Specifications are subject to change. Call an NTI product consultant for the most up-to-date information.