Medium Enterprise Environment Monitoring System
ENVIROMUX®

SNMP and Web Monitoring/Management of Critical IT and A/V Operations

Environment Monitoring

- Temperature
- Humidity
- Water/Chemical Leaks
- Weather

- Power
- Motion / Intrusion / Vibration
- Smoke / Gas
- Live Video & More

Alert Notifications

- Email
- SNMP
- Siren or Alarm Beacon
- Webpage

- Voice Phone Calls
- SMS Messages
- Front Panel LEDs

Key Features

- Supports NTI's advanced sensors which can be extended up to 1,000 feet using Cat5/5e/6 cable.
  - Sensors are hot pluggable.
- Monitor (ping) up to 64 IP network devices – alerts are sent if devices are not responding.
- Sensor conditions (events) can be configured to trigger alerts by themselves, and/or be used in combination with other events to trigger Smart Alerts.
- Integrates with various Open Source monitoring packages – Nagios and MRTG.
- Optional internal battery backup – alerts are sent when there is a power outage and when power returns.
- USB ports for connecting USB modem or for downloading log data to USB flash drive.
- Supports IP network video cameras for live view of any facility.
  - Any programmed event can trigger a snapshot from an IP camera.
- Cascade up to 5 units via Ethernet connection (1 master, 4 slaves) to increase the number of sensors connected
- Available with dual redundant power for connection to two separate power sources. (The second power supply is sold separately.)
- Optional intuitive graphical software provides an easy-to-use, unified interface for both monitoring and configuring up to 3,000 ENVIROMUX units and all connected sensors.
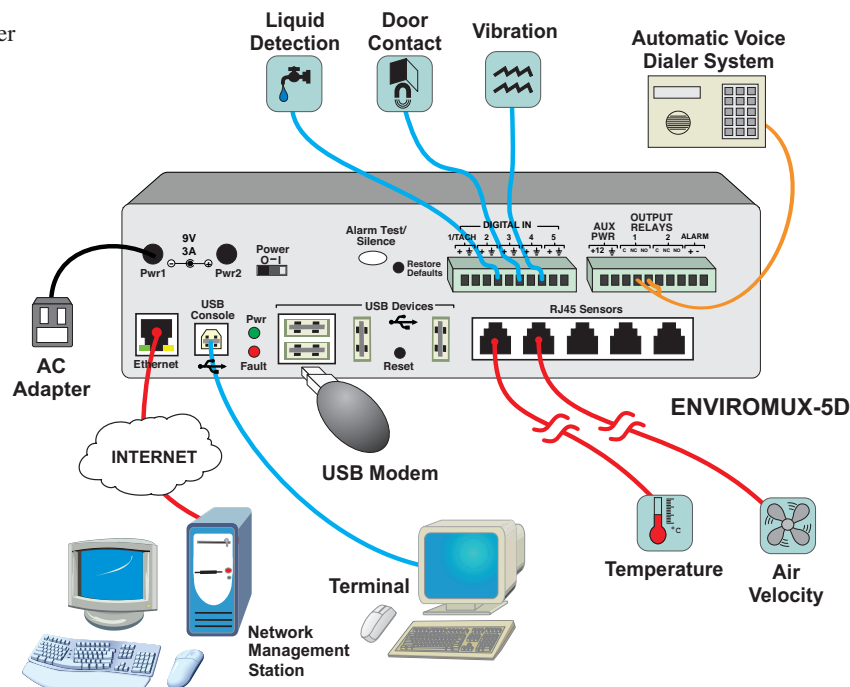- Available with optional 48VDC power
- Linux inside.

ENVIROMUX-5D

- **5 external configurable sensors, 5 digital inputs, 2 output relays**
- **Configure Smart Alerts for different event combinations**
- **Linux inside**
- **User-programmable IP camera snapshots**
- **Cascade up to 5 units via Ethernet connection (1 master, 4 slaves)**

The ENVIROMUX® Medium Enterprise 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, LEDs, alarm beacon, siren, web page, network management (SNMP), voice phone calls (via Automatic Voice Dialer System), and SMS messages (via USB 3G modem).
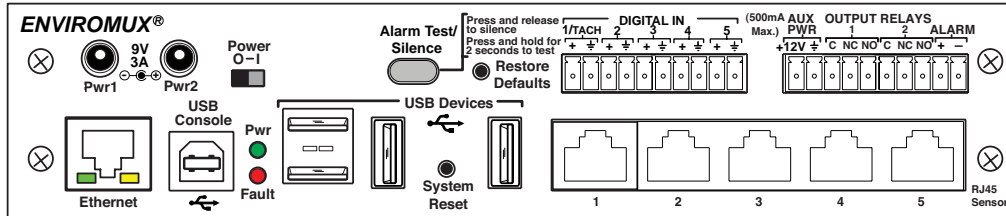
The system includes two internal sensors: temperature and humidity. It also supports five external configurable sensors, fivet digital input sensors, and two output relays for control of external devices.

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	ENVIROMUX-5D
Internal Sensors	2
Temperature	ENVIROMUX-5D: 32 to 140°F (0 to 60°C)
	ENVIROMUX-5DB: 32 to 104°F (0 to 40°C)
	ENVIROMUX-5D-IND: 32 to 176°F (0 to 80°C)
Humidity	Applications from 20 to 80% at temperatures between 32 to 140°F (0 to 60°C) for the ENVIROMUX-5D, 32 to 104°F (0 to 40°C) for the ENVIROMUX-5DB, and 32 to 176°F (0 to 80°C) for the ENVIROMUX-5D-IND
RJ45 Sensor Ports	5
Digital Inputs – Screw Terminal Pairs	5
Output Relays – Screw Terminal Pairs	2 (Normally open / normally closed connection points)
Alarm Port – Screw Terminal Pair	1
USB Console Port	One female USB Type B connector for terminal access
AUX Port – Screw Terminal Pair	1 (12V)
Ethernet Port	One 10/100 Base-T Ethernet port with RJ45 Ethernet connector
USB Port	4 female USB Type A connectors for connecting USB modem or for downloading log data to USB flash drive
Alerts	7 methods
Email	Authenticates
Web Interface	✓
SNMP network management	V1/V2c/V3
Front Panel LEDs	LEDs for sensors and power
SMS Messages	Via external USB 3G modem (not included)
Voice Phone Calls	Via automatic voice dialer system (not included)
External Alarm	Via alarm beacon or siren (not included)
Smart Alerts	Up to 50 sensor conditions (events) can be configured to trigger alerts by themselves
	Up to 20 Smart Alerts can be configured to use different event combinations to send alert messages
Alarm Silence / Test Button	✓
Control Methods	5 methods
Web Interface	HTTP/HTTPS
Telnet	✓
SSH	✓
Network Operation (SNMP)	V1/V2c/V3
RS232	✓ (via female USB Type B connector)
Monitor (Ping) IP Devices	Up to 64 devices
Protocols	HTTP/HTTPS, SNMP V1/V2c/V3, SMTP, TCP/IP, Syslog, SNTP, DHCP, SSHv2, SSLv3, LDAPv3,
	AES 256-bit, 3DES, Blowfish, RSA, EDH-RSA, Arcfour, IPV6, WAP 2.0
Flash Upgradeable	✓
Restore Defaults Button	✓
System Reset Button	✓
Operating Temperature	ENVIROMUX-5D: 32 to 140°F (0 to 60°C)
	ENVIROMUX-5DB: 32 to 104°F (0 to 40°C)
	ENVIROMUX-5D-IND: 32 to 176°F (0 to 80°C)
Power	Options: 48VDC power, Dual AC Power
	110 or 220 VAC at 50 or 60 Hz via AC adapter.
	Use the PWR-48V-12V1-6A DC-DC power converter to install the ENVIROMUX-5D in a 48V or 24V Telecom environment.

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	ENVIROMUX-5D
Expandable/Cascade	Up to 5 units via Ethernet connection (1 master, 4 slaves)
	Up to 3,000 units via optional management software
Dimensions WxDxH (in)	ENVIROMUX-5D: 7.88x3x1.75; ENVIROMUX-5D-48V: 10.25x3.1x1.75
Mounting	Zero-RU
	Optional DIN mounting
	Optional 1RU rackmount kit (mountable with sensor connectors facing the front or back of the rack)
Regulatory Approvals	CE, RoHS

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