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
- Webpage
- Voice Phone Calls
- SMS Messages
- Alarm Beacon
- 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.
- 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.
- Available with optional dual power for connection to two separate power sources.
- Available with optional 48VDC or 24VDC power.
- 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.
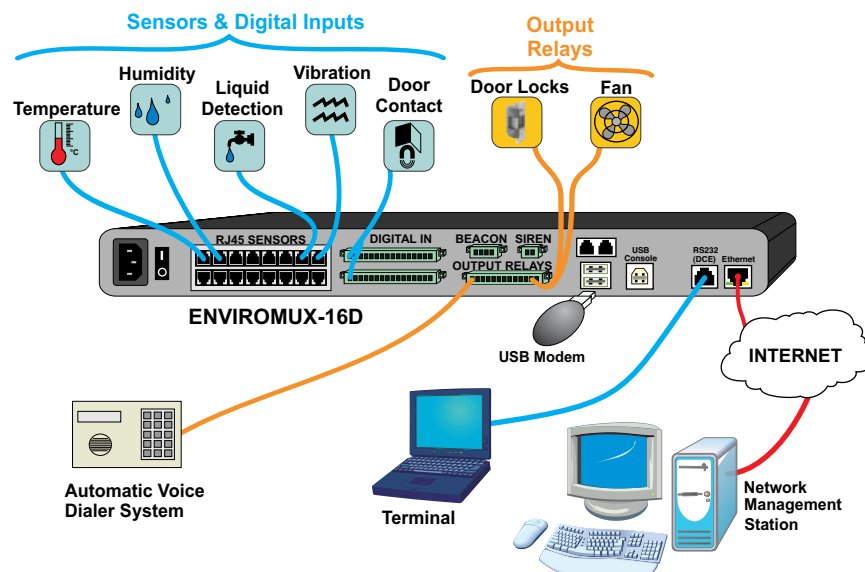- Linux inside.

ENVIROMUX-16D (Front & Back)

- **16 external configurable sensors, 8 digital inputs, 4 output relays**
- **Configure Smart Alerts for different event combinations**
- **Linux inside**
- **User-programmable IP camera snapshots**
- **Multi-language support – English, German, Indonesian, and Japanese**

The ENVIROMUX® Server 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).
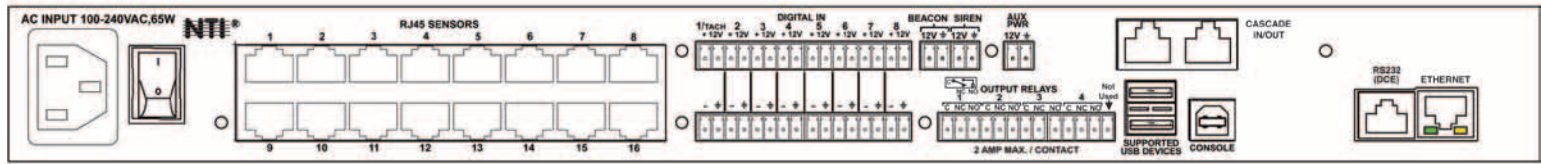
The system includes three internal sensors: temperature, humidity and power. It also supports 16 external configurable sensors, eight digital input sensors, and four output relays for control of external devices.

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

	ENVIROMUX-16D	
Internal Sensors	3	
Temperature	Applications from 32 to 104°F (0 to 40°C)	
Humidity	Applications from 20 to 80% relative humidity at temperatures between 32 to 104°F (0 to 40°C)	
Power	Measures main voltage: 0 to 255 VAC	
	Measures battery votage: 0 to 20 VDC	
RJ45 Sensor Ports	16	
Digital Inputs – Screw Terminal Pairs	8	
Output Relays – Screw Terminal Pairs	4 (Normally open / normally closed connection points)	
Beacon Port – Screw Terminal Pair	1	
Siren Port – Screw Terminal Pair	1	
USB Console Port	One female USB Type B connector for terminal access	
RS232 (DCE) Port	One female RJ45 RS232 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	Four female USB Type A connectors for connecting USB modem or for downloading log data to USB flash drive.	
Alerts	8 methods	
Email	Authenticates	
Web Interface	✓	
SNMP network management	V1/V2c/V3	
Front Panel LEDs	LEDs for internal sensors, external sensors, backup battery, data log, power, AUX power	
SMS Messages	Via external USB 3G modem (not included)	
Voice Phone Calls	Via automatic voice dialer system (not included)	
Alarm Beacon	✓ (not included)	
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	6 methods	
Web Interface	✓	
Telnet	✓	
SSH	✓	
Network Operation (SNMP)	V1/V2c/V3	
RS232	✓ (via female RJ45 RS232 connector & female USB Type B connector)	
Expandable	Up to 3,000 units via optional management software	
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	32 to 100°F (0 to 38°C)	
Power	110 or 230 VAC at 50 or 60 Hz via IEC connector	
	Options: dual power, 24VDC, 24VDC dual power, 48VDC, 48VDC dual power	
	Backup battery – provides backup power for one hour	
Dimensions WxDxH (in)	16.19x10.01x1.75 (without supplied rackmount kit); 19x10.01x1.75 (with rackmount kit)	
Regulatory Approvals	CE, RoHS	

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