NTI e-2d Small Enterprise Environment Monitoring System

The ENVIROMUX® Small Enterprise Environment Monitoring System (EMS) monitors critical environmental conditions (such as temperature, humidity, and water leakage) that could destroy network components in your server room. When a sensor goes out of range of a configurable threshold, the system will notify you via email, SNMP traps, web-page alerts, a visual indicator (red LED), voice phone calls (via Automatic Voice Dialer System), and SMS messages (via USB 3G modem).

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Features:

- Monitor and manage server room environmental conditions over IP.
- Sensors supported:
    - 2 external configurable sensors
    - 5 digital inputs sensitive to contact closure
    - 8 Remote Temperature/Humidity Sensors over IP
        - E-MICRO-T: 1 integrated temperature sensor, 2 RJ45 ports for external temperature/humidity sensors, 2 digital inputs sensitive to contact closure, dual DC power (dual redundancy).
        - E-MICRO-TRHP: 1 integrated temperature/humidity combination sensor, 2 RJ45 ports for external temperature/humidity sensors, 2 digital inputs sensitive to contact closure, built-in Power over Ethernet (POE), dual DC power (triple redundancy).
    - 4 Remote 1-Wire Sensors over IP
        - E-1W(P): two RJ11 connectors for daisy-chaining many 1-wire temperature/humidity/dew point, thermocouple, or digital input expanders in any combination (up to 24 single-reading 1-wire sensors); two digital inputs sensitive to contact closure; dual DC power; Power over Ethernet (POE).
- One output relay for control of external devices.
    - Relay activates upon alarm or via the user interface.
    - Control output relays via SNMP SET commands to power on/off external devices.
- Supports IP network video cameras for live view of any facility.
    - One integrated view – see different Web cameras side-by-side with physical and environmental parameters.
    - Any programmed event can trigger a snapshot from an IP camera.
- Monitor (ping) up to 64 IP network devices.
    - Alerts are sent if devices are not responding.
- Linux inside.
- Create multiple alerts for any installed sensor.
- Sensor conditions (events) can be configured to trigger alerts by themselves, and/or be used in combination with other events to trigger Smart Alerts.
    - Configure up to 50 events.
        - Setup SSH commands to be sent when events are triggered to soft shutdown or reboot machines.
    - Up to 20 Smart Alerts can be configured to use different event combinations to send alert messages.
- Alerts are posted in message log, which is accessible through Web user interface.
- Automatically configures network settings received from a connected DHCP server.
    - If a DHCP server is not found, the default static IP address will be used.
- Integrates with various Open Source monitoring packages – Nagios and MRTG.
    - The unit can be polled via SNMP.
- Two USB ports for connecting USB modem or for downloading log data to USB flash drive, and one USB console port for serial terminal interface.
- Up to five units can be used together to increase the number of sensors connected.
    - Cascade up to four E-2D/5D/16D units as slaves to one E-2D/5D/16D master unit via Ethernet connection.
        - Each master and slave unit needs its own unique IP address.
    - Uses a single Web interface for all systems/sensors connected.
- Dual redundant power supplies for connection to two separate power sources.
    - The second power supply is sold separately.
- Flexible Zero-RU mounting.
    - Mounting tabs included.
- Security: HTTPS, SSHv2, SSLv3, IP Filtering, LDAPv3, AES 256-bit encryption, 16-character username/password authentication, user account restricted access rights.
- Multi-language support – English, German, Chinese, and Japanese.
- 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.