

Product Perspective

ENTERPRISE ENVIRONMENT MONITORING SYSTEMS



Small Enterprise Server Environment Monitoring System

The E-2D supports 2 external configurable sensors, 5 digital inputs, 8 remote temperature/humidity sensors over IP, and 1 output relay for control of external devices. It features 2 USB ports for USB modem or USB flash drive. Linux inside. Monitor (ping) up to 64 IP network devices. 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). Up to five units can be used together to increase the number of sensors connected. Protocols: HTTP/HTTPS, SNMP V1/V2c/V3, SMTP, TCP/IP, Syslog, SNTP, DHCP, SSHv2, SSLv3, TLS, LDAPv3, XOAUTH2, AES 256-bit, 3DES, Blowfish, RSA, EDH-RSA, Arcfour, IPV6, WAP 2.0, RADIUS. Cascade up to 5 units via Ethernet connection (1 master, 4 slaves). Options available: dual power supply, DIN mounting, internal backup battery and 1RU rackmount kit.



Medium Enterprise Environment Monitoring System

The E-5D supports 5 external configurable sensors, 5 digital inputs, 8 remote temperature/humidity sensors over IP, and 2 output relays for control of external devices. The system also includes two internal sensors: temperature and humidity. It features 4 USB ports for USB modems or USB flash drives. Linux inside. Monitor (ping) up to 64 IP network devices. 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 external USB 3G modem). Up to five units can be used together to increase the number of sensors connected. Protocols: HTTP/HTTPS, SNMP V1/V2c/V3, SMTP, TCP/IP, Syslog, SNTP, DHCP, SSHv2, SSLv3, TLS, LDAPv3, XOAUTH2, AES 256-bit, 3DES, Blowfish, RSA, EDH-RSA, Arcfour, IPV6, WAP 2.0, RADIUS. Cascade up to 5 units via Ethernet connection (1 master, 4 slaves). Options available: DIN mounting, internal backup battery, 48VDC power, dual power supply, 1RU rackmount kit, and industrial system for high temperature environments up to 176°F (80°C).



Large Enterprise Environment Monitoring System

The E-16D supports 16 external configurable sensors, 8 digital inputs, 8 remote temperature/humidity sensors over IP, and 4 output relays for control of external devices. The system also includes three internal sensors: temperature, humidity and power. It features 4 USB ports for USB modems or USB flash drives. Linux inside. Monitor (ping) up to 64 IP network devices. 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 external USB 3G modem). Up to five units can be connected via Ethernet connection or using CAT5 expansion cables to increase the number of sensors connected. Protocols: HTTP/HTTPS, SNMP V1/V2c/V3, SMTP, TCP/IP, Syslog, SNTP, DHCP, SSHv2, SSLv3, TLS, LDAPv3, XOAUTH2, AES 256-bit, 3DES, Blowfish, RSA, EDH-RSA, Arcfour, IPV6, WAP 2.0, RADIUS. Cascade up to 5 units via RS485 serial and/or Ethernet connection (1 master, 4 slaves). Options available: dual power supply, 24VDC or 48VDC power, and fiber optic port for connecting to fiber network. Internal backup battery and 1RU rackmount case are standard.



Management Software for Enterprise Environment Monitoring Systems

The E-MNG is an intuitive graphical software that provides an easy-to-use, unified interface for both monitoring and configuring up to 3,000 E-2D/5D/16D, E-SEMS-16(U), and IPDU-S4/8 units and all connected sensors. It can display values and statuses for individual sensors or a list of sensors. Multiple ENVIROMUX units may be monitored and configured individually or in a group. The server application actively polls all units for status information, as well as listens for alerts from all units. The client application communicates with the server to read statuses and to deploy configuration changes. The E-MNG is compatible with Windows 2000/XP/Vista/7/8/10, Windows Server 2000/2003/2008/2012, Solaris, Linux, FreeBSD, and MAC OS 9/10.

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LOW-COST ENVIRONMENT MONITORING SYSTEMS



Micro Enterprise Server Environment Monitoring System

The E-MICRO features 2 temperature/humidity ports, 2 digital inputs, and one integrated temperature sensor. The system also includes one USB port for a USB modem. Monitor (ping) up to 4 network devices. When a sensor goes out of range of a configurable threshold, the system will notify you via email, webpage, and network management (SNMP). Protocols: HTTP/HTTPS, SNMP V1/V2c, SMTP, TCP/IP, Syslog, SNTP, DHCP, SSLv3, AES 256-bit, 3DES, Blowfish, RSA, EDH-RSA, Arcfour. Use the system as a standalone unit or as an IP-connected remote sensor for the E-2D/5D/16D. Options available: internal humidity sensor + Power over Ethernet (PoE).



Low-Cost 1-Wire Environment Monitoring System – Supports up to 24 Temperature Sensors

The E-1W features 2 digital inputs sensitive to contact closure and 2 RJ11 connectors for daisy-chaining many 1-wire temperature/humidity/dew point, thermocouple, or digital input expanders in any combination. The system also includes one USB port for a USB modem. Monitor (ping) up to 4 network devices. When a sensor goes out of range of a configurable threshold, the system will notify you via email, webpage, network management (SNMP), and SMS messages (via external USB 3G modem). Protocols: HTTP/HTTPS, SNMP V1/V2c, SMTP, TCP/IP, Syslog, SNTP, DHCP, SSLv3, AES 256-bit, 3DES, Blowfish, RSA, EDH-RSA, Arcfour. It is available with optional Power over Ethernet (PoE).



Management Software for Low-Cost Environment Monitoring Systems

The E-MNG-LC is an intuitive graphical software that provides an easy-to-use, unified interface for both monitoring and configuring up to 3,000 E-MICRO-T, E-MICRO-TRHP, and E-1W (Coming Soon) units and all connected sensors via Ethernet. It can display values and statuses for individual sensors or a list of sensors. Multiple ENVIROMUX units may be monitored and configured individually or in a group. The server application actively polls all units for status information as well as listens for alerts from all units. The client application communicates with the server to read statuses and to deploy configuration changes. The E-MNG-LC is compatible Windows XP/Vista/7/8/10, Windows Server 2000/2003/2008/2012, Solaris, Linux, FreeBSD, and MAC OS 9/10.

MINI ENVIRONMENT MONITORING SYSTEM



Mini Environment Monitoring System

The E-MINI-LXO features 2 temperature/humidity ports, 5 digital inputs, and 1 output relay for control of an external device. Linux inside. Monitor (ping) up to 16 IP network devices. 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). Protocols: HTTP/HTTPS, SNMP V1/V2c/V3, SMTP, TCP/IP, Syslog, SNTP, DHCP, SSHv2, SSLv3, TLS, LDAPv3, AES 256-bit, 3DES, Blowfish, RSA, EDH-RSA, Arcfour, IPV6, WAP 2.0. Options available: internal backup battery, DIN mounting, and industrial system for high temperature environments up to 167°F (75°C).

POWER MONITORING AND POWER CONTROL DEVICES



AC Voltage Detector with Relay

The ENVIROMUX® AC Voltage Detector with Relay detects voltage from 50 to 250 VAC when connected to an environmental monitoring system with dry contact inputs, battery, sensor, or other device. The internal relay closes when sensing voltage above 60 VAC and opens when sensing voltage 55 VAC and below. Available with a standard US 120V 10A NEMA 5-15 plug or universal 250V IEC C14 socket.

Product Perspective

POWER MONITORING AND POWER CONTROL DEVICES (continued)



Secure Remote Power Control Unit with Environmental Monitoring

The ENVIROMUX® Secure Remote Power Control Unit allows you to remotely reboot and control power (on/off) to up to 8 servers or other powered devices from any location via secure web interface, RS232, SSH, or Telnet. Monitor (ping) up to 8 IP network devices. Supports 2 environmental sensors, including: temperature, humidity, and water detection. Sends alert notifications via email, syslog, LEDs, Web page, and SNMP. The 4-/8-port models support SMS alert messages (via 3G USB modem), overload protection via circuit breaker, and current, line voltage, line frequency, and power factor monitoring. Up to 17 4-/8-port models can be connected via Ethernet connection or CAT5 expansion cables to increase the number of outlets and sensors connected. Security: HTTPS, SSHv2, SSLv3, IP Filtering, LDAPv3, AES 256-bit encryption, 16-character username/password authentication, user account restricted access rights. Cascade up to 17 units via RS485 serial and/or Ethernet connection (1 master, 16 slaves). Available with standard US 120V 15A NEMA 5-15 or universal 250V 10A IEC C14/C13 input and output connectors.



Low-Cost Remote Power Reboot Switch with IEC320 C13 Outlet

The PWR-RMT-RBT-LC allows you to remotely reboot and control power (on/off) to a server or other powered device over IP. Auto-scheduler allows for scheduling power on/off/reboot events. Control an unlimited number of Remote Power Reboot Switches from one software application. Multiple control options: Web interface, AutoPing, Telnet, DxP (Dataprobe Exchange Protocol). Auto-ping up to 2 IP addresses. Dual password protection with separate user and administrator passwords. Regulatory approvals: CE, UL, cUL, FCC, RoHS. Available with 12A US line cord or 10A country-specific line cord.



Low-Cost 2-Port Remote Power Reboot Switch with NEMA 5-15R Outlets

The PWR-RMT-RBT2-515R-LC allows you to remotely reboot and control power (on/off) to up to two servers or other powered devices over IP. Auto-scheduler allows for scheduling power on/off/reboot events. Control an unlimited number of Remote Power Reboot Switches from one Google Hangouts account. Multiple control options: Web interface, Google Hangouts, and command line interface using HTTP protocol. Auto-ping up to 5 IP addresses. It sends email alert notifications to any number of addresses. Includes a 10A US line cord.