

em series

remote monitoring devices

Wright Line's Environmental Monitoring (EM) Series is the most cost effective way to monitor critical temperatures in your enclosures via your network. Utilizing external sensors, our advance detection monitoring system provides early notification of emerging environmental problems, minimizing equipment damage and downtime. With its internal web server, the EM Series requires no software and is platform independent. And, if the temperature or other variables go out of your specified range, it can email you and be viewed from anywhere over the web with its user-friendly interface.



Features

- Monitor temperature, humidity, voltage, power and other sensors
- Easy-to-use web interface
- Simple 'plug-n-play' installation (no software or server required)
- Combines environmental monitoring and power management capability in one device
- Designed for local or remote applications
- External, high-grade industrial sensors allow for unit customization
- Sized similar to a PDA (5" x 2.5" x 1.5"), requires no rack-mount space
- Compatible with most off-the-shelf, web-based cameras
- Sends SNMP traps to all popular network management software

Prices start at \$325

CONFIGURATIONS:

- Environmental Monitoring
- Environmental Monitoring Plus Serial Device Management
- Serial Device Management

SENSORS:








-  Temperature
-  Water
-  Security (Door)
-  Humidity
-  Air Flow
-  Power-on (Voltage)
-  Dry Contact



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technical environment solutions

Model #	Description	Serial Ports (RS232)	Environmental Ports	Sensors Included 1' (.31m)
EMW2S	IP Environmental Monitoring	N/A	2	1 Temperature
EMW2SE	IP Environmental Monitoring	N/A	2	1 Temperature and 1 Humidity
EMW2S2P	IP Serial and Environmental Monitoring	2	2	1 Temperature
EMWOS2P	IP Serial Switch	2	N/A	N/A
EMWOS4P	IP Serial Switch	4	N/A	N/A

Optional External Environmental Sensors	Sensor Cable Model #'s		
	15' (4.6m)	60' (18.4m)	100' (30.8m)
 Temperature	EMTS15	EMTS60	N/A
 Water	EMWS15	EMWS60	EMWS100
 Security (Door)	EMSS15	EMSS60	EMSS100
 Humidity	EMHS15	EMHS60	N/A
 Air Flow	EMAF15	EMAF60	N/A
 Power-on (Voltage)	EMVS15	EMVS60	N/A
 Dry Contact (5VDC)	EMDC15	N/A	EMDC100

Specifications

Hardware:

Processor:
68HC000

Ethernet Coprocessor:
SMC91C96

Memory:
RAM: 128 KB with 2 KB NVRAM
EPROM: 256 KB

LED Status Indicators:
Power and link integrity

Network Interface:
RJ-45 10BASE-T connector
IEEE 802.3/Ethernet compliant

Terminal Interfaces:
RS-232C, RJ-45 connector;
accepts 4-, 6-, 8- pin plugs
50 to 115,200 bps
Full modem control
Hardware and software flow control

Physical Characteristics:

Height: 1 3/16 inches (30 mm)
Width: 3 inches (83 mm)
Depth: 5 15/16 inches (151 mm)
Weight: 6 ounces (170 grams)

External Power Supply:

Style: Wall-mount
Input: 120 VAC, 60 Hz (or per country)
Output: 6 VDC, 200 mA, unregulated

Environmental:

Temperature: 0 to 50 degrees C operating
-10 to 70 degrees C non-operating
Humidity: 10 to 95 percent non-condensing

Agency Power Supply:

UL listed, CSA approved (or per country)
EMW-OS42P: FCC Class A, CE (For the 2 port)

Software:

Network Protocols:

ARP: RFC 826
DHCP: RFCs 2131, 2132
DNS: RFCs 1034m 1035
ICMP: RFC 792
IP: RFC 791
PPP: RFCs 1332, 1661, 1662
RARP: RFC 903
RIP: RFC 1058
SLIP: RFC 1055
TCP: RFC 793
UDP: RFC 768

Network Management:

SNMP/MIB-II RFCs 1155, 1157, 1213

Terminal/Printer Applications:

LPD: RFC 1179
Rlogin: RFC 1282
TELNET: RFCs 854-861, 1079, 1091, 1372

Command Line Interface:

Easy to use configuration, security, and network access commands.