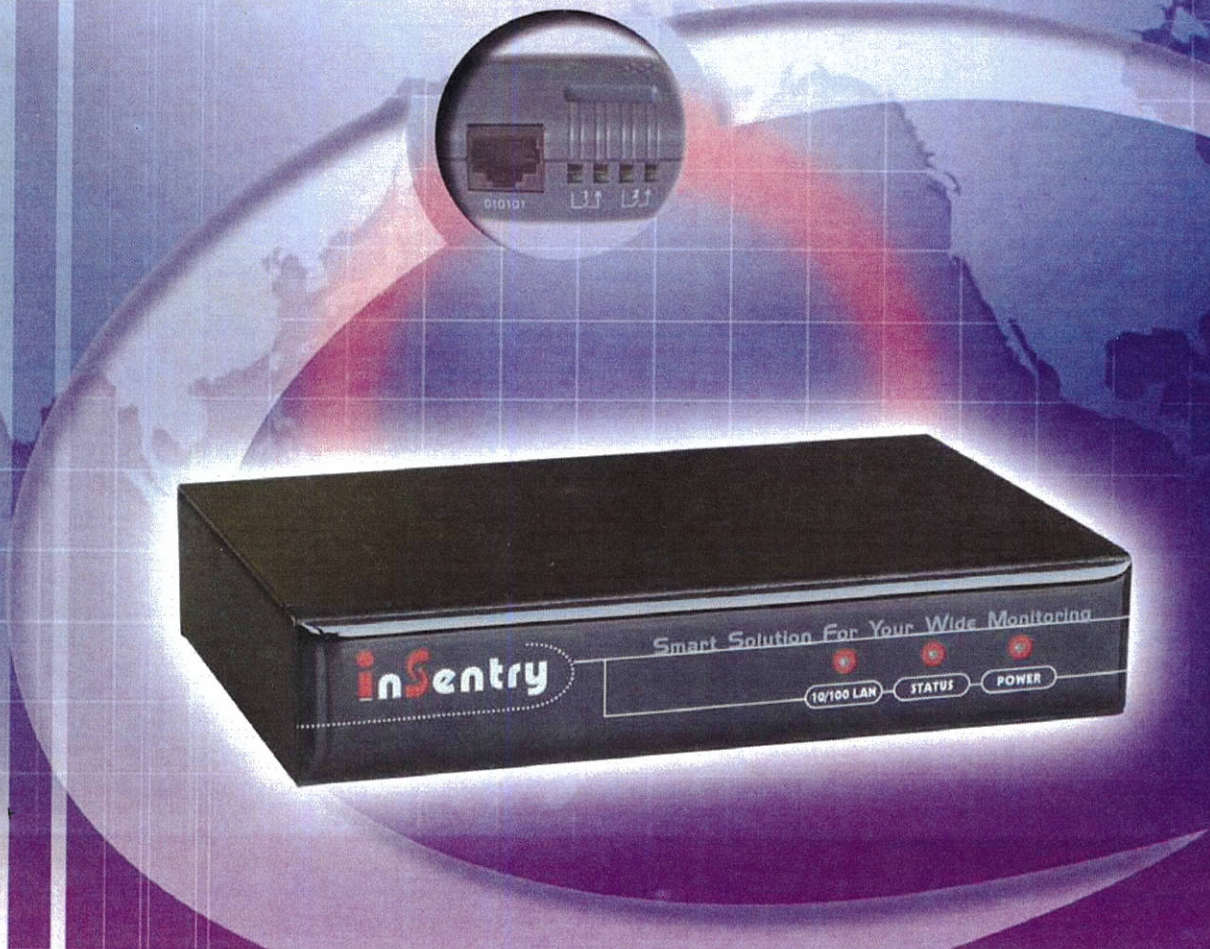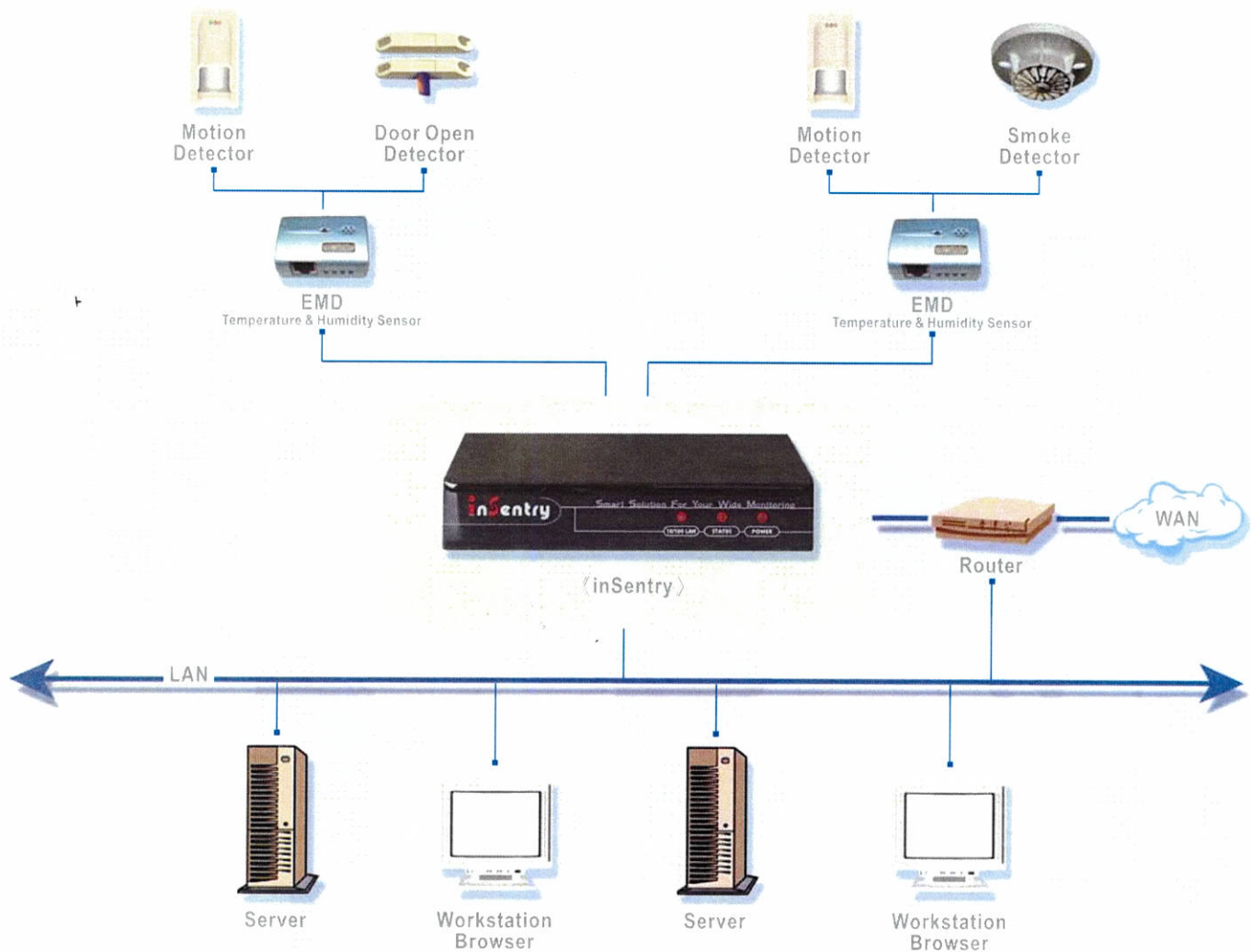# inSentry

Smart Solution for Your Wide Monitoring

The inSentry is an IT environmental monitoring device that provides remote monitoring of temperature, humidity and other environmental conditions via standard Web Browsers or Network Management Systems.

- Real-time monitoring of environmental conditions

- Add user-provide contact devices effortlessly within minutes

- Automated events notification of out-of- scope conditions

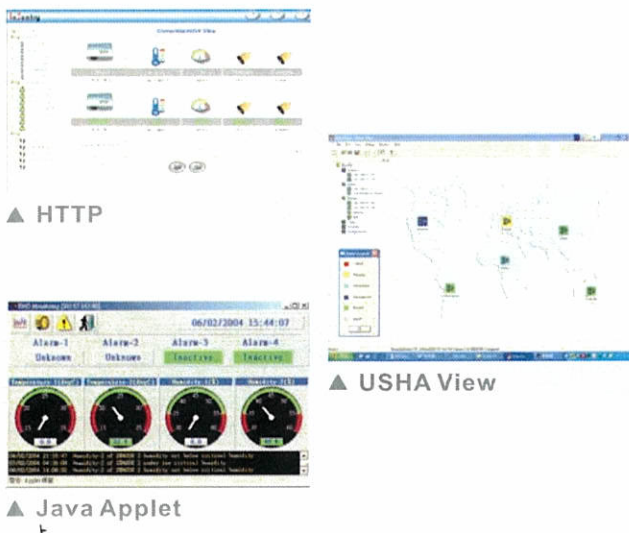- Regularly record and analyze environmental data

Advantages:

- Real-time temperature/humidity and other environmental conditions monitoring

- Monitors the status of four user-provide contact devices to protect your critical equipments

- Comprehensive environment conditions management and flexible configuration via Web Browser, NMS (Network Management System), Java Applet, Telnet, SNMP or Hyper Terminal

- Automatic events notification via E-mail and SNMP Trap

- Regularly records EMD parameters for statistical analysis and event diagnostics

- Automatically assigned IP via DHCP or BOOTP

- Auto-sense to works in the 10/100Mbps fast Ethernet network environment

- Configuration utility simplifies the firmware upgrade process

- Quick and easy installation (Hot-swappable)

Motion Detector   Door Open Detector   Motion Detector   Smoke Detector

EMD
Temperature & Humidity Sensor

EMD
Temperature & Humidity Sensor

inSentry   Smart Solution For Your Wide Monitoring

10/100 LAN   STATUS   POWER

〈inSentry〉

Router

WAN

LAN

Server   Workstation Browser   Server   Workstation Browser

Versatile Sensor Support

- **Standard:** inSentry is supplied with an EMD (Environmental Monitoring Device) as standard.
  - ※ **Temperature Monitoring:** Measures temperatures between 0℃ and 80℃ with an accuracy of ±1℃
  - ※ **Humidity Monitoring:** Measures relative humidity between 10% and 90% RH with an accuracy of ±3%
- **Extension:** Two additional sensor devices can be connected to the EMD and monitored via the inSentry.
  - ※ **Addition sensor devices include:**
    - * Motion detector
    - * Smoke detector
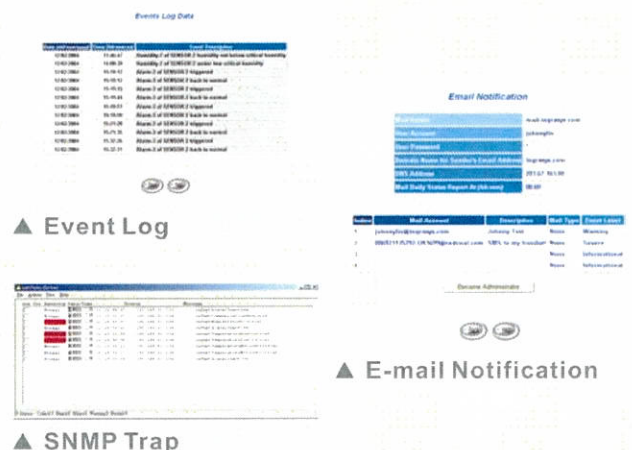   - * Universal (any device with normally-open or closed)

Remote Monitoring and Management of Environment

▲ HTTP

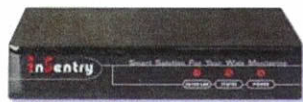
▲ USHA View

▲ Java Applet

- **HTTP:** Support HTTP Protocol. Remote environment monitoring and management can be easily achieved through Web Browsers such as Microsoft Internet Explorer and Netscape.
- **SNMP:** Support SNMP protocol. Centralized monitoring and management the environment can be accomplished by a Network Management System such as HP Open View.
- **Java Applet:** Java Applet can be launched from within Web Browsers for real-time environment status monitoring with graphical data.
- **Telnet:** Provides alternative method for configuration of the inSentry, which includes automatic log-out function for additional security.
- **USHA View:** Designed for simultaneous environment services monitoring and management.

Proactive Environment Event Handling

- **Event Log:** Automatically records and displays environment events, warning and time stamps.
- **EMD Status Notification:**
  1. **SNMP:** notifies multiple hosts, previously assigned in an SNMP trap table, of environment status and warning messages.
  2. **Java applet:** notifies the Administrator of detective events with a pop-up dialog box.
- **E-mail Notification:** Daily routine information and detective events can be sent through E-mail.

▲ Event Log

▲ SNMP Trap

▲ E-mail Notification

Technical Specification:

■ inSentry Network Agent

Dimensions	5.24(W) x 3.46(D) x 1.06(H) in. / 133(W) x 88(D) x 27(H) mm
Weight	approx. 200g

CPU	50MHz micro controller
RAM	512Kbyte x 16-bit
Flash ROM	512Kbyte x 16-bit
LAN Interface	Auto-sense 10/100Mbps Fast Ethernet
Serial Port	Two asynchronous serial ports for EMD and console communication
LED Display	Power, Status, LAN 10/100 Link
Miscellaneous	Real-Time-Clock, Reset button
Power Adapter	• Input: 100V ~ 240V 50Hz ~ 60Hz
	• Output: 12 volt unregulated
Power Consumption	3 Watts maximum
Network Protocol	HTTP, SNMP, DHCP, BOOTP, ARP, RARP, Telnet, SMTP, TFTP
MIB Supported	InSentry MIB
Firmware Upgrade	• Network Upgrade
	• Serial Upgrade (for recovery use)
System Security	IP-based filtering and password protection for operation and administration
Operating Environment	• Temperature: 0℃ ~ 40℃
	• Humidity: 10% ~ 80% non-condensed

■ Environmental Monitoring Device

Dimensions	2.26(W) x 1.48(D) x 1.15(H) in. / 57.4(W) x 37.6(D) x 29.2(H) mm
Weight	approx. 35g

Temperature Monitoring	Measures temperatures between 0℃ and 80℃ with an accuracy of ±1℃
Humidity Monitoring	Measures relative humidity between 10% and 90% RH with an accuracy of ±3%
LED Display	Power/Status
Digital Input	Two inputs (normally-open or closed)

■ EMD Measurement Cable

Length	78.7 in. / 2 m
Weight	approx. 80g

* Replaceable with the standard Cat.5 cable

Cable Material	Cable: UL2464 28AWG*4PAIRS+AEB
	Plug: 8p8c 50u * 2pcs

Approval	CE, FCC Class B
Warranty	Two years