

ENVSENSE II



Norden EnvSense II V2.0 Monitoring Host is designed for integrated UPS and environmental monitoring in data centers and equipment rooms. It features a 19-inch rack-mount design and operates on a 220–240 V communication power supply, making it suitable for modern machine-room installation requirements.

The device provides comprehensive monitoring interfaces, including 16 digital input channels for switch status detection, 8 analogue input channels for environmental sensors, and 6 programmable delay-control output channels. These functions meet the monitoring needs of small and medium-sized data rooms, offering a reliable platform for building unattended or semi-attended data center environments.

FEATURES

- The system shall support up to 20 temperature and humidity sensors.
- Supports IPv6 / Ipv4
- Network modes: LAN (IP-based), WAN, Internet, ADSL, E1, wireless Ethernet, etc.
- Secure and reliable user-permission management.
- Built-in optimized IP-Power communication protocol to ensure real-time data acquisition and efficient bandwidth usage.
- Multiple configuration and management interfaces: Telnet, HyperTerminal, web browser, etc.
- Supports task scheduling (e.g., UPS timed startup/shutdown, battery scheduled discharge).
- Compatible with multiple UPS brands and types.
- Supports history data and event records.
- Supports email alarms.
- Optional GSM module with SMS query and SMS alarm support.

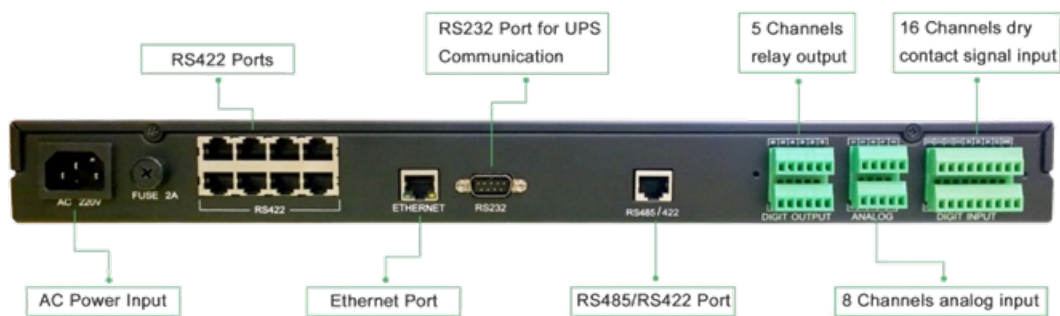
TECHNICAL SPECIFICATIONS:

Category	Details
CPU	32-bit ARM926EJ-S Core, 300 MHz High-Speed Processor
RAM	64 MB SDRAM
Flash ROM	128 MB Flash
Network Port	10/100 Mbps high-speed Ethernet, self-adaptive
Serial Ports	2× RS232 high-speed asynchronous ports
	1× RS232 port for UPS communication
	1× RS232 port for parameter configuration
	1× RS422/485 for temperature/humidity sensors and intelligent devices
Input / Output Control	16 digital input terminals (0–5 V TTL level)
	8 analog input terminals (0–5 V linear level)
	5 digital output terminals (12 VDC / 1 A)
	Supports up to 20 temperature & humidity sensors via RS485/RS422
Browser Support	Internet Explorer, Netscape, Chrome, Firefox, and other compatible browsers
SNMP MIB	Supports RFC1213, RFC1628, PPC MIB
SNMP Versions	SNMP v1, v2.0, v3.0
Network Protocols	TCP/IPv4, TCP/IPv6, UDP, SNMP, SSL, Telnet, SNTP, HTTP, HTTPS, SMTP, DHCP, DNS, TFTP, ARP, ICMP, PPP
LED Indicators	PW, M-PW, RUNDEV, PPP, IPP, WEBS, SNMP, EXT, MODEM, LAN 10/100M Link/Active
Input Power	AC 220–240 V / 50 Hz
Power Consumption	≤ 12 W

TECHNICAL SPECIFICATIONS:

Category	Details
Operating Environment	Temperature: 0 °C ~ 70 °C Humidity: 10% ~ 85%
Other Features	Built-in-GSM & Built-in system clock with automatic reset for time synchronization
Language Support	English, with expandable language support
Program Update	Network upgrade, tool-based update
System Security	IP filtering, user ID and password management, operation and control protection
Safety Certifications	CE, FCC

PORT SPECIFICATIONS:



SYSTEM TOPOLOGY:



PART NUMBER & DESCRIPTION

Part Number	Description
NI-EMS-V2S1BK	Environment Monitoring System (EMS)

ENVSENSE II

SENSORS:

SOUND LIGHT ALARM SENSOR

Part Number	Description
NI-R-SL-12V	Sound & Light Alarm Sensor including 12V 3A Power Supply



TEMPERATURE & HUMIDITY SENSOR

Part Number	Description
NI-R-TH	Temperature & Humidity Sensor with LED Display



SMOKE SENSOR

Part Number	Description
NI-R-SM	Smoke Sensor



DOOR SENSOR

Part Number	Description
NI-R-DS	Door Sensor



WATER LEAKAGE SENSOR

Part Number	Description
NI-R-WS	Water leakage Sensor



WATER LEAKAGE CABLE 5M LENGTH

Part Number	Description
NI-R WLC05	Water Leakage Cable 5M Length

