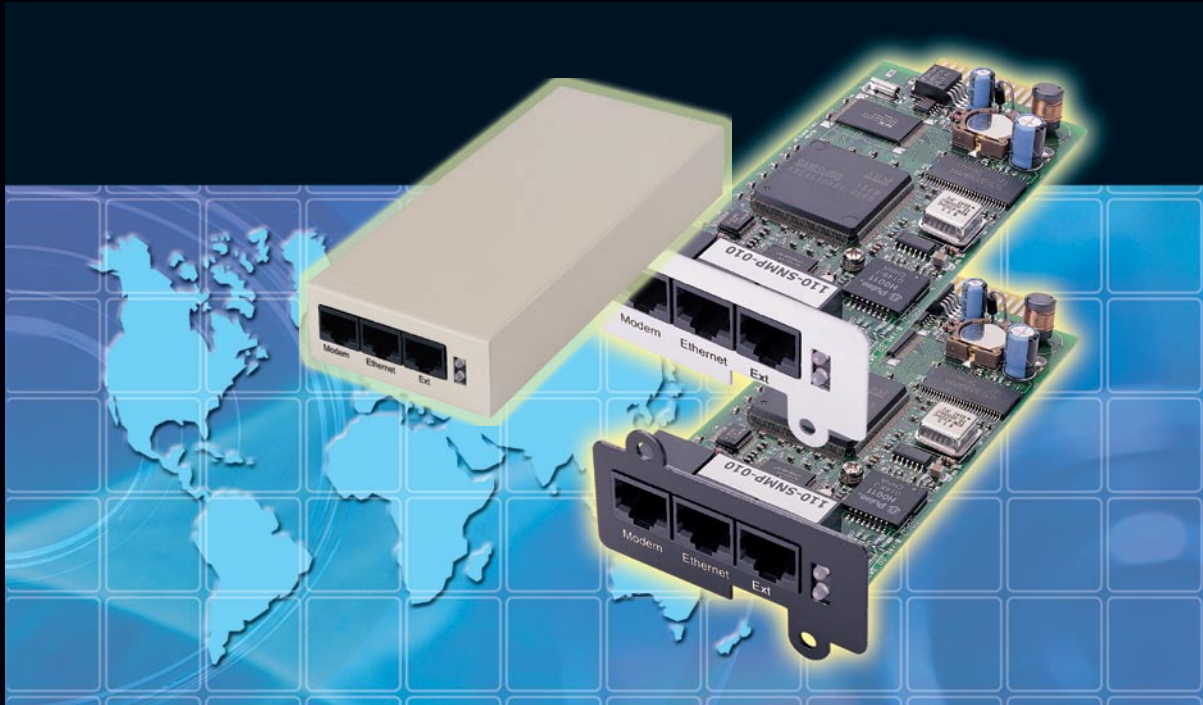


NET LOGIC **SNMP** Card

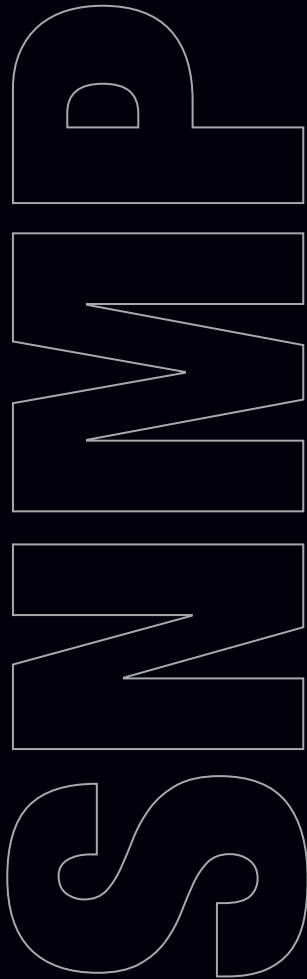


DO YOU REQUIRE XTREME SNMP CONNECTIVITY?

SNMP (Simple Network Management Protocol) is used widely in the network management field. With the support for SNMP, the .NETpower software user interface turns the UPS into an industrial standard managed network device. You can use an SNMP NMS (such as HP OpenView or a IBM NetView) to manage your UPS over a LAN or the Internet.

Moreover, the Net Logic SNMP card will create a standard browser interface for the UPS. This browser interface allows easy viewing, management and control of the UPS. In addition to the network management function, it will notify you when an event occurs, and even shut down multiple systems on the LAN.





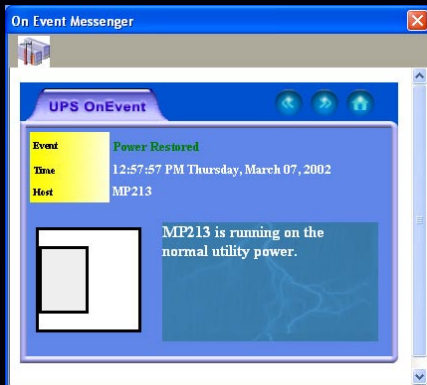
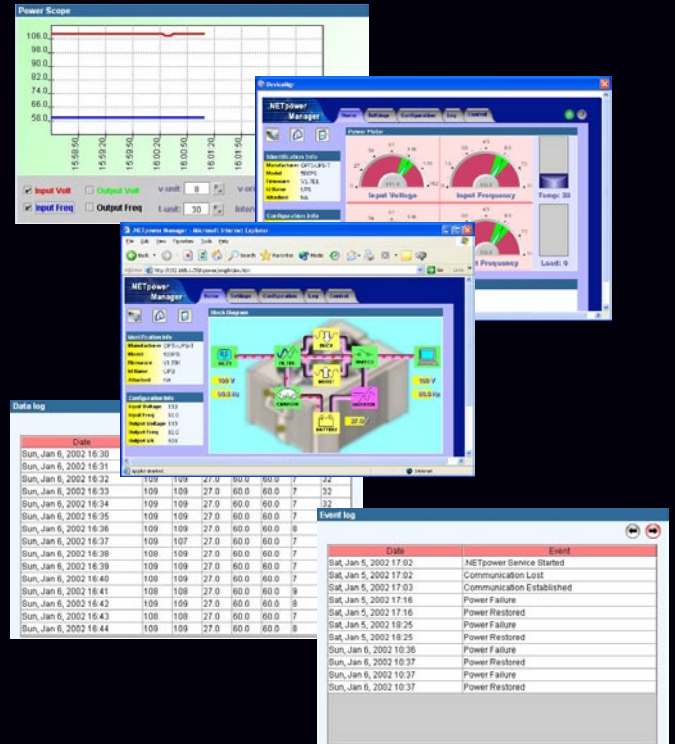
- **Network Interface**
UTP Fast Ethernet 10/100 auto-sense
- **Serial Port**
Used as a console port or connected to a MODEM allowing PPP dial-in and paging
- **Extension Port**
Connected to an extended device such as environment measurement
- **Real Time Clock**
Time can be adjusted by SNTP
- **Setup/Configuration**
Allows setup via telnet or console
- **Firmware Upgradeable**
Upgrades firmware via a web browser or TFTP
- **Multiple System Shutdown**
Sends a shutdown signal to shut down multiple systems on LAN
- **Event Notification**
Includes network message, OnEvent multimedia message, email and page
- **SNMP Network Management**
Supports SNMP v1.0 and v2.0. Supports RFC 1213 (MIB-II), RFC 1628 (UPS MIB), and private UPS extension MIB. Compatible with any standard SNMP NMS such as HP OpenView and IBM NetView
- **Web Network Management**
Supports HTTP 1.0 protocol. Combined with HTML, Java Script and Java Applet
- **Telnet Management**
Allows management via telnet
- **Graphic Information Management**
Includes Power Meter, Block Diagram, Power Scope, and Log Analysis
- **Event Logging**
Contains all UPS-related events
- **Data Logging**
A collection of the UPS power quality
- **Scheduling**
Perform shutdown, startup, and self-test according to the scheduling settings
- **Flexible Event Action**
Provides flexible event action feature
- **UPS Control**
Allows you to shut down, reset, or restart the UPS remotely
- **UPS Configuration**
Allows you to configure the UPS remotely
- **Password Security**
Provides password protection

Information Management

The .NETpower interface allows you to view the information and status of the UPS locally or remotely. It presents the information in graphical formats from different points of view: inside activity, power meters, and scope charts.

The .NETpower interface maintains two log files

- an event log file which contains all UPS related events such as power failures, shutdowns, power recoveries, etc.
- a data log file: which is a collection of the UPS power quality, including input voltage, output voltage, battery voltage, temperature, etc.

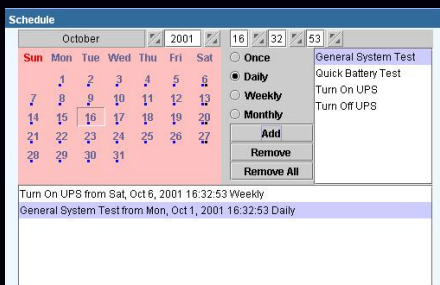
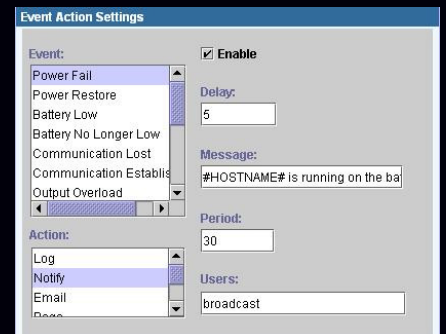


OnEvent

OnEvent is a new notification technology which can exchange multimedia messages over a LAN, regardless of operating system. When a power event occurs, a multimedia message box will be displayed on each computer with OnEvent software installed. It is also a shutdown agent which will shut down the system when receiving a shutdown signal from the NETLogic card. It also serves as a shutdown agent when a shutdown signal is received from the .Netlogic card.

Flexible Event Action

You can define actions for each event. The .NETpower interface will perform actions according to your definitions when an event occurs. The actions include logging, network notification, email, paging, executing command file, and system shutdown.



Scheduling

The .NETpower interface allows for a customizable UPS schedule setup for automatic system shutdown/startups and self-tests.

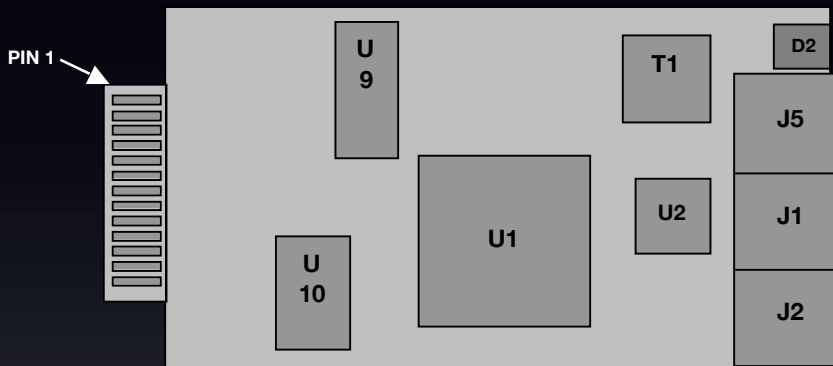
Compatible Operating Systems

The SNMP CD is compatible with the following operating systems: FreeBSD, Hpx, IBMaix, IBMos2, IRIX, Linux, Solsparc, Solx86, Windows

HARDWARE SPECIFICATIONS

CPU	SAMSUNG S3C4510B 16/32-bit RISC microcontroller
Memory	Flash Memory – 16Mbits SDRAM – 128Mbits
Ethernet Connector	10/100 BaseT RJ-45, auto switch
Power Input and Consumption	12V DC regulated, power consumption under 3 watts
Size	118 mm (L) x 89 mm (W) x 23 mm(H)
Network Interface	UTP Fast Ethernet 10/100BaseT RJ-45, auto-sense
Display	Power, Diagnostic, Tx/D and Rx/D LEDs
Serial Port	Two high speed RS-232 ports. One used as a console port or connected to a MODEM allowing PPP dial-in and paging, another is golden finger type serial port and connected to UPS
Extension Port	Connected to an extended device such as environment measurement through I2C
Real Time Clock	Time can be adjusted by SNTP
Firmware Upgradeable	Upgrades firmware via a web browser or TFTP
Telnet Management	Allows management via telnet
SNMP Network Management	Supports both SNMP v1 and v2. Supports RFC 1213 (MIB-II), RFC 1628 (UPS MIB) , and private UPS extension MIB. Compatible with any standard SNMP NMS such as HP OpenView, IBM NetView
Web Network Management	Supports HTTP 1.0 protocol. Combined with HTML, JavaScript and Java Applet
Setup/Configuration	Allows setup via telnet or console
Operating Environment	0 to 60°C

SNMP Communications Schematic



- U1:** S3C4510B – Samsung 16/32 bits MCU
- U2:** Altima AC101 or AM79C874 – Ethernet Transceiver
- U9:** K4S281632D – 128Mbit SDRAM
- U10:** MX29LV160T – Flash Memory
- J1:** 10/100BaseT RJ-45 Phone Jack
- J2:** Modem or console port
- J5:** Extension Port
- D2:** Power/Diagnostic, Network Tx/Rx LEDs

Ordering Information: NET Logic SNMP Card, Model No: XPRT-SNMP1 or XVRT-SNMPB



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