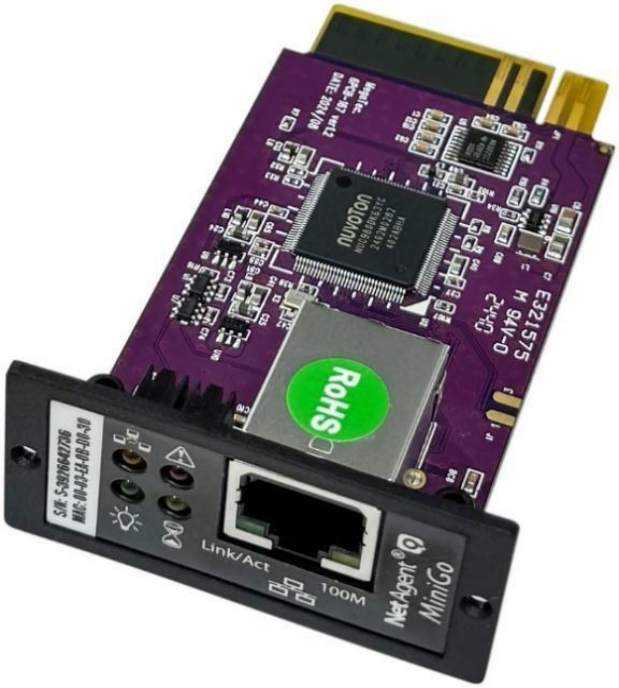
# SNMP1

Network card DS801

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TECHNICAL SPECIFICATION

An SNMP card allows you to monitor the status of the UPS remotely via an IP connection. This allows system administrators to monitor UPS operation from any location, without having to be physically present at the UPS.
It is possible to configure various useful functions to monitor the correct operation of the UPS.
The card is inserted into the appropriate slot on the rear panel of the UPS and, using the appropriate software, it is possible to access the web page to monitor the correct operation of the UPS.

Main Features and Functionalities

- Provide SNMP MIB to monitor & control UPS.
- Auto-sense 10M/100M Fast Ethernet, manage and configure via Telnet, Web Browser or NMS.
- Support TCP/IP, UDP, SNMP, Telnet, SSH, SNTP, PPP, HTTP, HTTPS, SMTP, FTP, FTPS, Modbus, Modbus Protocols.
- Providing easy setup and upgrade tools via our Netility software.
- Send SNMP TRAP, e-mail and SMS for events notification.
- Auto email daily UPS history report.
- Perform graceful shutdown with our ClientMate software

Applications

- DS801 allows UPS to be monitor on network.

  When the UPS connects to the DS801, the system manager can check the status of each UPS via a computer with a browser installed. The manager can monitor and control the UPS simply by entering the IP address of the DS801 connected to the UPS.
  In the event of a power failure, the DS801 can also send trap information to the system manager for appropriate action.

- DS801 Provides Shutdown Utilities.

  When a computer installs our shutdown software on the network connecting to the DS801, when the UPS experiences an AC failure or low battery condition, the software closes all operating system files and shuts down properly. This may prevent system damage in the event of a power outage.

# 1. General Specification

| | |
|---|---|
| CPU | ARM 300MHz 32bit |
| System Clock | 300MHz |
| Flash Memory | 128M Byte |
| SDRAM | 64M Byte |
| LED | 6 |
| Watch Dog | Yes |
| USB Port | No |
| Environment Port | No |
| Real Time Clock | No |
| LCD Display | No |
| LAN Interface | 10M/100M UTP |
| Ethernet Throughput | 1620K Byte per seconds |
| Ethernet Latency | 0.759 milliseconds |

# 2. Power Specification

## MiniGo

| ITEM | MINIMUM | MAXIMUM |
|---|---|---|
| DC Input Voltage | +5.3V | +15V |
| DC Input Current | | 250mA |

# 3. Pin Assignment

| PIN | INPUT/OUTPUT | DESCRIPTION |
|---|---|---|
| P1 GND | GND | Ground PIN |
| P2 PowerIn | Input | DC power input. |
| P3 RS232_TXD | Output | +5.5V and -5.5V Voltage level for RS232 |
| P4 RS232_RXD | Input | -3V to -15V for logic '1', +3V to +15V for logic '0' |
| P5-P7 No Use | | |
| P8 SNMPSIG | | NetAgent card plug in detect, connect to PIN 10 |
| P9 GND | GND | Ground PIN |
| P10 SNMPSIG | | NetAgent card plug in detect, connect to PIN 8 |
| P11 RS232_DCD | Input | +/-3V to +/-15V for RS232 |
| P12 RS232_DTR | Output | +5.5V and -5.5V for RS232 |
| P13 RS232_DSR | Input | |
| P14 RS232_RTS | Output | +5.5V and -5.5V for RS232 |
| P15 RS232_CTS | Input | +/-3V to +/-15V for RS232 |
| P16 RS232_RI | Input | +/-3V to +/-15V for RS232 |
| P17-P26 No Use | | |

# 4. Signal Specification

## Receiver Inputs

| PARAMETER | CONDITIONS | MIN | TYP | MAX |
|---|---|---|---|---|
| Input Voltage Range | | -25V | | +25 V |
| Input Threshold Low | TA = +25°C | +0.6V | +1.2V | |
| Input Threshold High | TA = +25°C | | +1.5V | +2.4V |
| Input Hysteresis | | | 0.3 V | |
| Input Resistance | TA = +25°C | 3 kohm | 5 kohm | 7 kohm |

## Transmitter Outputs

| PARAMETER | CONDITIONS | MIN | TYP | MAX |
|---|---|---|---|---|
| Output Voltage Swing | All transmitter outputs loaded with 3 kohm to ground | ±5.0V | ±5.4V | |
| Output Resistance | TA = +25°C | 300 | 10M | |
| Output Short-Circuit Current | | | ±35 mA | ±60 mA |

# 5. Environment Specification

| PARAMETER | CONDITIONS | Minimum | Maximum |
|---|---|---|---|
| Operating Temperature | | 0 °C | 60 °C |
| Storage Temperature | | -40 °C | 125 °C |
| Operating Humidity | Non-Condensing | 10% RH | 90% RH |
| Storage Humidity | Non-Condensing | 5% RH | 95% RH |

| EMI |
|---|
| FCC Class B, CE |

# 6. Dimension

NetAgent 9 Internal Card

| | |
|---|---|
| Dimension | 81.06mm(L) x 51.76mm(W) x 25.8mm(H) |
| Weight | 28.0g ± 2g |


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