SDC 2+2

Network and Web Enabled Serial and Sensor Management

Alerts - E-mail, Paging, SNMP Traps

The 2+2 can e-mail you, page you, or use its internal modem to dial out with critical alerts and warnings.You can send SNMP traps to up to ten locations.

Modem Access

The 2+2 gives you the remote capability of dialing into your device. Using Telnet you can access the 2+2 from any where in the world.The modem also gives the 2+2 the added flexibility of dial out alerting and reporting.

Trending, Graphing, Reporting

The 2+2 has on-board graphing capability and we include our MIB so you can use SNMP to poll for thresholds and limits. For additional analysis, our optional Overtime software can help build databases, create custom graphs, and export data in CSV.

Sensor Capabilities

2 Ports

External Sensor Ports: The 2+2's external sensor port allows you to add any two of the following optional sensors: Temperature, Humidity, Water, Voltage, Airflow, Dry Contact Switch*

Serial Capabilities

2 Ports

Console Access: The 2+2 saves valuable cabinet and server room space and provides convenient access to the console ports on the machines that it serves.

Network-Enabler: A legacy serial device can be network-enabled by connecting its RS-232 port to the 2+2. A host (such as a PC) connects to the 2+2 through the network with Telnet or with a raw TCP connection. The serial device can now be monitored and/or controlled from the host. Any data entered at the host is sent to the serial device and any data from the serial device is sent to the host.

Proxy SNMP Agent: The 2+2 can be programmed to parse input data from a serial device and to form it into a user-defined SNMP Management Information Base (MIB).The 2+2 can then be queried by one or more network management stations (such as HP OpenView) to retrieve the data. The 2+2 can also send SNMP traps to alert users of abnormal operating conditions.

Serial-Line Extender: A 2+2 can make a network connection to another 2+2 to act as a serial-line extender.

LAN-to-LAN Connector: Two 2+2s can be connected via their RS-232 ports to serve as a link between two separate LANs.

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 (2) RS-232C, RJ-45 connector; accepts 4-, 6-, 8-pin plugs

- 50 to 115,200 bps
- Full modem control
- Hardware and software flow control

2 Sensor Ports, RJ-45 connectors

UDS-22: FCC Class A, CE

All specifications are subject to change without notice.

Physical Characteristics

- Height: 1 3/16 inches (30 mm)
- Width: 3 1/4 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)

Features:

- Requires no software
- User defined threshold settings
- On board graphing capability
- Sends e-mail notifications
- Sends SNMP traps to 10 destinations
- Supports SNMP polling
- Supports DHCP
- 2 levels of password protection
- Internal web server
- 0 U rack mountable
- Fully compliant with all operating systems
- Includes easy to read documentation and helpful utilities
- Free trial version of OverTime
- MIB integrates with all popular NMS
- 1 year limited warranty
- Free technical support via e-mail

Software:

Network Protocols ARP: RFC 826

- DHCP: RFCs 2131, 2132
- DNS: RFCs 1034, 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

*The external sensor port supports most two-wire, on/off, or open/closed type sensors.

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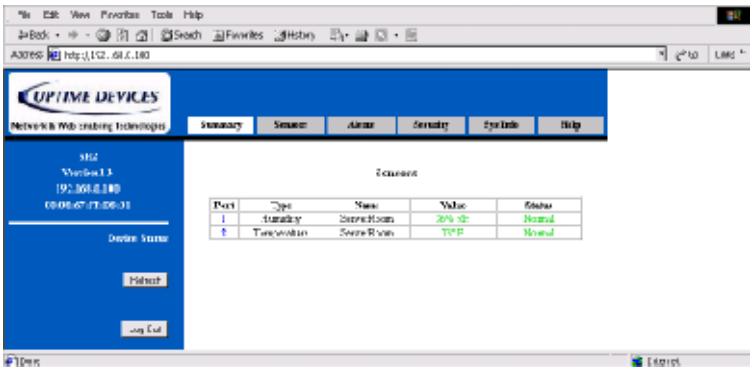
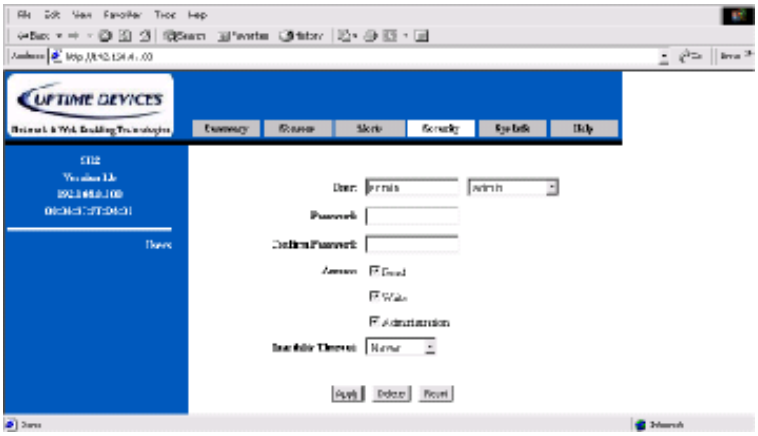
1.1 SDC 2+2 Summary View

Shows the data provided by the sensors plugged into your device.



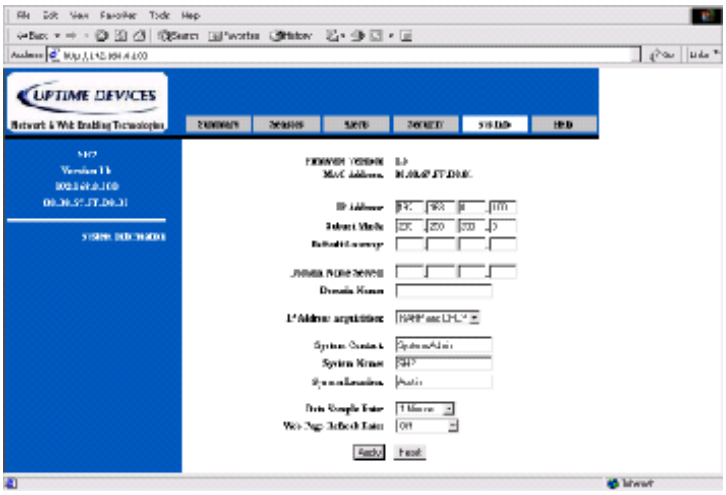


1.2 SDC 2+2 Security Screen

Gives you the ability to change your administrative information for your SDC 2+2.

1.3 SDC 2+2 System Info Screen

Allows you to configure your SDC 2+2's network settings.



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