SDC 4

4 Port Serial Device Controller

The 4 Port is a compact dual-port server offering a full complement of industry standard network protocols and system features. It connects up to two RS-232 devices to a TCP/IP-based Ethernet network (it "network-enables" the serial devices).

Three servers in one

The 4 Port can operate as a terminal server, a print server, or a remote access server. Its most popular usage, however, is to connect legacy serial devices (or more modern serial devices that do not have network ports) to a network so that those devices can be monitored and controlled remotely.

Network-Enabler

A legacy serial device can be network-enabled by connecting its RS-232 port to The 4 Port. A host (such as a PC) connects to The 4 Port 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.

Serial-Line Extender

The 4 Port can make a network connection to another 2 or 4 Port to act as a serial-line extender. The devices attached to the RS-232 ports operate as if they were connected by a simple RS-232 cable.The 4 Port can also be used with redirector software running on a host (for example, a computer with a Unix-like or Windows operating system). The redirector software allows programs written to communicate with serial ports to run on a networked computer.

Proxy SNMP Agent

The 4 Port can be programmed to parse input data from a serial device and to form it into a user-defined SNMP Management Information Base (MIB). Once programmed, The 4 Port can be queried by one or more network management stations (such as HP OpenView) to retrieve the data.The 4 Port can also send SNMP traps to alert users of abnormal operating conditions.

LAN-to-LAN Connector

4 Ports can be connected via their RS-232 ports to serve as a link between two separate LANs.

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

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 (4):

•RS-232C, RJ-45 connector; accepts 4-, 6-, 8- pin plugs

•50 to 115,200 bps

•Full modem control

•Hardware and software flow control

Physical Characteristics:

•Height: 1 3/16 inches (30 mm)

•Width: 3 _ 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)

•SDC4: FCC Class A, CE (For the 4 port)

Software:

Network Protocols:

•ARP: RFC 826

•DHCP: RFCs 2131, 2132

•DNS: RFCs 1034m 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

Command Line Interface

•Easy to use configuration, security, and network access commands.

www.i-techcompany.com
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Fax: 1-510-372-2736

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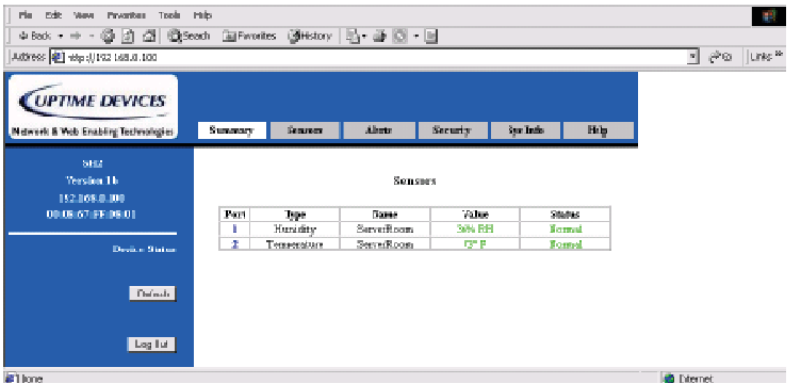
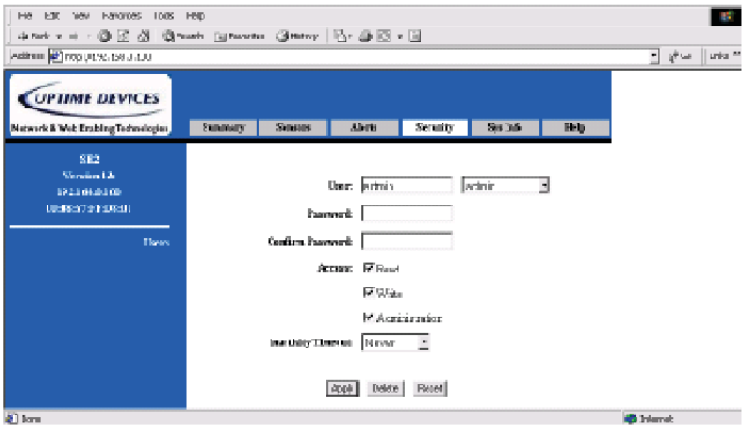
1.1 SDC 4 Summary View

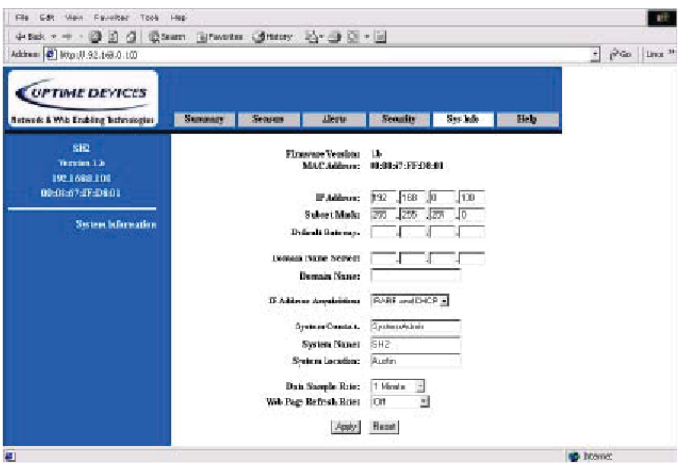
Shows the data provided by the sensors plugged into your device.





1.2 SDC 4 Security Screen

Gives you the ability to change your administrative information for your SDC 4.



1.3 SDC 4 System Info Screen

Allows you to configure your SDC 4's network settings.

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