Secure Industrial and Device Networking

The SD4000 Device Server enables users to securely connect, manage and control RS232/422/485 serial devices from anywhere in the world. The SD4000 provides fast, secure and reliable local and remote connectivity to serial ports on Routers, Switches, UPS, PDU's, Meters, Scanners, PLC's and SCADA equipment. The compact size of the SD4000 makes it the ideal choice for connecting RS232/422/485 serial devices over Ethernet.

Easily IP Enable Any Serial Port in Minutes

The SD4001 is the perfect solution to extend serial connectivity via Ethernet to a single devices. IP enable existing UPS systems for less than the cost of a SNMP monitoring card. Extend serial printers, scanners, access entry and control with our low cost solution.
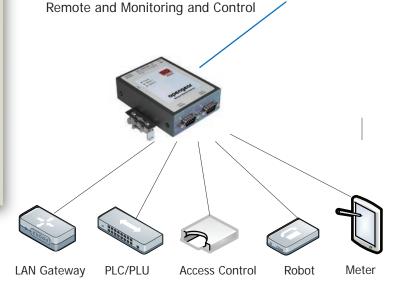
Simple Browser Interface

TCP/IP

Remote and Monitoring and Control

Applications

- Secure data acquisition
- Remote Console Server
- Security and access control systems
- Industrial and building automation
- Network and power management
- Medical monitoring automation
- Remote energy metering
- Retail and point of sale

LAN Gateway   PLC/PLU   Access Control   Robot   Meter

Features

Control Serial Port Connected Devices
- Telnet/SSH/Raw TCP connect
- COM port redirection software
- RFC 2217 -Telnet Com Port Control
- Serial port interconnect over IP
- Serial over IP access by TCP port
- Port monitoring triggers and alerts
- Offline data logging (Syslog, NFS, CIFS)
- Online data buffering
- Multiple users per port (with port sniffing)
- RDP over serial support
- Break over SSH support

Control Network Connected Devices
- Secure SSH tunneling and NAT port redirection
- Secure RDP/VNC/X access to Windows /Linux/Sun
- Secure HTTP/HTTPS to browser controlled appliances
- Secure Telnet /SSH access
- Extensible to support custom services /ports
- Configurable point-n-click SDTConnector client
- User access limited by host, and by SDT service
- Unlimited number of LAN computers/appliances
- Unlimited number of connections per SSH session

Security and Authentication
- Secure Shell (SSH V2)
- TACACS+ , RADIUS and LDAP authentication
- PAP/CHAP authentication (dial up)
- Per port user access lists
- Dial back support
- Local authentication
- System event syslog
- IP forwarding support and IP packet filtering

SD System Management
- Secure Web management (HTTPS)
- Local browser management (HTTP)
- Command Line interface (Linux Shell)
- ARP IP assignment
- SNMP

Other Protocols Supported
- DHCP for dynamic IP assignment
- NTP for time synchronization
- PPP for dial up access

Upgrades
- Flash upgradeable - free from online FTP site
- FTP, TFTP client for file transfer

Operating System
- Linux with source code access
- Custom development kit (CDK)

Technical Specifications

Models
SD4001: 1DB9 RS-232/422/485 (software selectable) serial port (2400 to 230,400bps. Surge protected)
SD4002: 1DB9 RS-232 and 1DB9/connector block RS-232/422/485 (software selectable) serial port (2400 to 230,400bps. Surge protected)

Environmental
Ambient operating: 5°C to 50°C (41°F to 122°F)
Storage: -30°C to +60°C (-20°F to +140°F) Humidity: 5% to 90%

Regulatory
FCC Part 15 A
UL 1950
CE (EN55022 A, EN55024, EN60950)
EN55024: 1998   +A1: 2001 +A2: 2003
IEC_61000-4-2: 1995   ESD 8kV Air Discharge (Direct), 4kV Contact Discharge (Direct/Indirect)
IEC_61000-4-4: 1995   EFT/Burst 1.0kV Power Lines, 0.5kV I/O Lines
IEC_61000-4-5: 1995 Surge Immunity 1.0kV Common Mode, 1.0 kV Differential Mode
TUV
C-Tick
RoHS compliant

Power
SD4001: 12V DC operation (+9V to 30V)
110-240V AC to 12V DC external power adapter
Power Consumption 0.96W
SD4002: External +9V to +48V DC
Optional adapter 12VDC 100-240V AC, 50/60 Hz
Power consumption less than 4W

Dimensions
SD4001: 4" x 1.75" x 1.0" in (10.2 x 4.4 x 2.5 cm)
SD4002: 3.9 x 2.8 x 1.0 in (10 x 7.2 x 2.5 cm)

CPU/Memory
166MHz ARM-based SOC 16MB SDRAM 8MB Flash

SD4001
Front View   Rear View

SD4002
Rear View   Front View

USA	UK	EU	JP	AU	Warranty
SD4001	SD4001	SD4001	SD4001	SD4001	4 Years
SD4002	SD4002	SD4002	SD4002	SD4002	4 Years