

### Secure Industrial and Device Networking

Available in 1, 2, and 8 port models, the SD4000 Device Server enables users to securely 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 PBX, 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 to the network or to each other with using serial tunneling

### Easily IP Enable Any Serial Port in Minutes

The SD4000 is the perfect solution to IP Enable serial ports like SMDR on PBX systems for remote administration. Extend serial printers, scanners, access entry and control with our low cost solution. The SD4000 family of products includes a free COM/TTY Port Redirector for both Windows and Linux.



### Simple Browser Interface



TCP/IP



### Remote and Monitoring and Control



LAN Gateway



PLC/PLU



Access Control



Robot



Meter

### Applications

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

## 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 - Source code access enables custom configuration

## 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)

**SD4008:** Eight RJ-45 RS-232/422/485 (software selectable) serial ports (2400 to 230,400bps, Surge protected) and one DB-9 RS-232 local / modem port (2400 to 115,200 bps)

### 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) TUV, C-Tick, ROHS

### Power

**SD4001:** 12V DC operation (+9V to 30V)  
110-240V AC to 12V DC external power adapter  
Power Consumption less than 15W

**SD4002:** External +9V to +48V DC supply  
Optional 12VDC wall mount adapter 100-240V AC, 50/60 Hz

**SD4008:** Includes 5VDC 100-240V AC adaptor, 50/60 Hz  
Optionally use external -48V, +5V or +48VDC supply  
Power consumption for SD4002 and SD4008 less than 20W

### 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)

SD4008: 8.2 x 4.9 x 1.2 in (20.8 x 12.6 x 4.5 cm)

### CPU/Memory

166MHz ARM-based SOC 16MB SDRAM 8MB Flash



USA	UK	EU	JP	AU	Warranty
SD4001	SD4001	SD4001	SD4001	SD4001	1 Year
SD4002-US	SD4002-UK	SD4002-EU	SD4002-JP	SD4002-AU	1 Year
SD4008-US	SD4008-UK	SD4008-EU	SD4008-JP	SD4008-AU	1 Year