



Secure Terminal Server with PCMCIA,

# STS Series, STS400/800/1600



## The Linux-based Terminal Server, STS Series, STS400/800/1600

is a universal Secure Terminal Server that makes your legacy serial devices manageable via industry standard Ethernet network. Based on open network protocols such as TCP/IP and UDP, allows you ultimate flexibility to your serial devices.

For secure data communication, the STS Series supports various data encryption protocols such as SSL, 3DES and RC4. In addition, IP address filtering function is provided for protecting unintentional data streams to be transmitted to the STS Series.

Customization support features enable users to easily customize the box on-the-fly with minimal effort. The network/serial port access and serial protocol translation are provided using the free user space, Linux shell script and the library support.

Featuring PCMCIA slot for enhanced functionality, the STS Series supports PC cards such as Wired/Wireless LAN card to access another network for back up purpose, Phone-line modem card for out-of-band access to the STS Series with an external modem, and ATA Fixed Disk card to keep the system log and port log data safely.

With PPPoE(PPP-over-Ethernet) connection feature of the STS Series, the RS232 serial devices could be managed over DSL-based broadband network. With the rich broadband network connectivity protocols such as DHCP, PPPoE and Dynamic DNS, you could easily manage the legacy serial devices over broadband Internet by

### Features

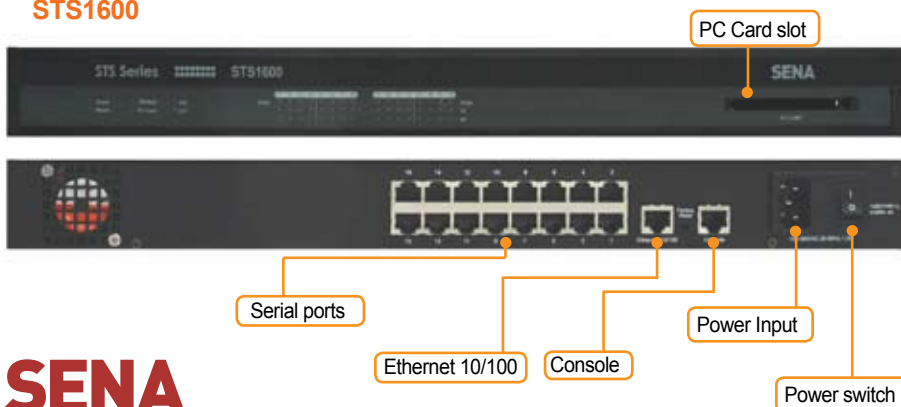
- Connects legacy serial devices to 10/100Base-T Ethernet network.
- Supports RS232 based serial devices, up to 230Kbps speed.
- Supports PC cards such as ATA memory, modem and wired/wireless LAN card
- Flexible TCP/UDP host mode support: Multiple host connections/data transfer.
- Powerful security support, SSL/TLS and data encryption
- Easy-To-Use customization support
- System logging & port logging.
- Dynamic DNS and PPPoE protocol for DSL connection to broadband Internet.
- Configuration via Web, Telnet/SSH or serial port.
- Management software for configuration and administration included.
- Surge protector included.
- Supports RFC 2217, Telnet COM Port Control Protocol

using DSL or cable modem connection. The built-in Dynamic DNS protocol of the STS Series enables you to access serial devices using custom domain names.

The STS also provides you with easy-to-use system management functionality of system status display, firmware upgrade and remote reset by using various accessibility options such as, telnet/SSH, serial console port or web. The powerful system logging feature enables users to store/send the system/port log data to the NFS, SYSLOG server and the ATA Flash fixed disk PC card.

### Panel Layout

#### STS1600





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## Specifications

### Serial Interface

- Serial speeds 75bps to 230Kbps
- RJ45 connector
- Flow Control: Hardware, Software
- Signals: RS232 Rx, Tx, RTS, CTS, DTR, DSR, DCD, GND
- Surge protector equipped for each serial port

### Network Interfaces

- 10/100 Base-TX Ethernet with RJ45 Ethernet connector
- Supports static and dynamic IP address

### Network Protocols

- ARP, IP/ICMP, DNS, Dynamic DNS
- SMTP with/without Authentication, pop-before SMTP
- DHCP client, NTP, PPPoE
- TCP, UDP, SSL v2 & v3, TLS v1, RFC-2217
- SSH v1 & v2, Telnet
- HTTP, HTTPS, SNMP v1 & v2
- Serial Port Access protocol:  
TCP, UDP, SSL v2 & v3, TLS v1, RFC-2217

### PCMCIA

- ATA flash memory card
- 10/100 Base-TX LAN card
- Wireless LAN card
- PSTN modem card

### Ethernet modem

- Full support for AT commands

### Security

- SSH
- Data Encryption
- IP address filtering
- HTTPS

### Management

- Web
- Serial console port
- Telnet or SSH
- HelloDevice Manager software
- O/S support: Windows 98/ME/NT/2000/XP
- System log delivery: email or SYSLOG server or flash memory card
- Firmware: Stored in Flash memory and downloadable via serial console or telnet or web

### Diagnostic LED

- Power
- Ready
- 10/100 Base Link, Act
- Serial InUse/Rx/Tx for each serial port
- PC card

### Power

- STS400/800: 5VDC, 1.5A @ 5VDC
- STS1600: 100~240 VAC, 50/60 Hz, 1.2A

### Environmental

- Operating temperature: 0°C to 50°C
- Storage temperature: -20°C to 66°C
- Humidity: 90% Non-condensing

### Physical properties

- STS400/800  
245 x 153 x 30 (mm)  
9.6 x 6 x 1.2 ( in.)  
1.5kg
- STS1600  
435 x 186x 43 (mm)  
17 x 7.6 x 1.75 ( in.)  
2.5 kg
- 19" Rack Mountable

**Certification:** FCC(A), CE, MIC

**Warranty:** 5-year limited warranty

## Ordering Information

- STS400** STS 4-Port Terminal Server with PCMCIA
- STS800** STS 8-Port Terminal Server with PCMCIA
- STS1600** STS 16-Port Terminal Server with PCMCIA

### Includes

- Quick Start Guide
- External 110V (or 230V) power supply or power cord
- Cable kit

### Optional Accessories

- RJ45-DB9M X adapter bundle (4 units)
- RJ45-DB25F X adapter bundle (4 units)
- RJ45-DB25M X adapter bundle (4 units)
- RJ45-DB25M S adapter bundle (4 units)
- 19" Rack mount kit for STS400/800

For more information, please visit us at <http://www.sena.com>

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