

STS800/1600

Smart Terminal Server



Features

- Connects legacy serial devices to 10/100Base-T Ethernet network
- Supports RS232 based serial devices, up to 230Kbps speed
- Powerful security support, SSL(Secure Socket Layer) and encryption protocols such as RC4 and 3DES
- Supports powerful Ethernet modem function
- 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

Powerful Security

SSH, HTTPS, SSL, RC4 and 3DES

Typical application areas of the HelloDevice STS800/1600 are:

- Industrial Automation
- Network management
- Retail/Point of Sale
- Remote metering
- Remote display
- Remote display
- Building automation
- Security/Access control Systems
- General data acquisition application
- Medical Automation

The Linux-based Smart Terminal Server, STS800/1600

makes your legacy serial devices manageable via industry standard Ethernet network. Based on open network protocols such as TCP/IP and UDP, it gives 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.

Featuring PCMCIA slot for enhanced functionality, the STS Series supports many kinds of 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 PPPo-E(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 using DSL or cable modem connection. The built-in Dynamic DNS protocol of the STS Series enables you to access the serial devices with their domain names.

The STS Series also provides you with easy-to-use system management functionality of system status display, firmware upgrade and remote reset by using various ways 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.

The STS800/1600 gives you ideal remote management capability of control, monitoring, diagnosis and data gathering for RS232 serial devices over the internet.

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Specifications

	STS800	STS1600
Serial Interface	8-port Serial speeds 1200bps to 230Kbps Flow Control: Hardware, Software DB9 connector RJ45 connector Signals: RS232 Rx, Tx, RTS, CTS, DTR, DSR, GND	16-port
Network Interfaces	10/100 Base-TX Ethernet with RJ45 Ethernet connector Supports static and dynamic IP address	
Protocols	ARP, IP/ICMP TCP, UDP Telnet/SSH DNS, Dynamic DNS HTTP/HTTPS, SMTP, NTP DHCP client PPPoE SNMP v1 & v2	
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	User ID & Password Data Encryption: SSL (Secure Socket Layer) RC4, 3DES 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 Full-featured system status display 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		9-30VDC, 5VDC 1A @ 7.5VDC 1.5A @ 5VDC
Environmental		Operating temperature: 5j to 50j Storage temperature: -40j to 66j
Physical properties		245 x 153 x 30 (mm) Dimension 9.6 x 6 x 1.2 (in.) 432 mm L (17 in.) 1.5kg 193 mm W (7.6 in.) 44.5 mm H (1.75 in.) 1U, 19 in. rack mountable
Approvals		FCC, CE, MIC
Warranty		5-year limited warranty

Ordering Information

STS800	8-Port Smart Terminal Server
STS1600	16-Port Smart Terminal Server
All items includes	Quick Start Guide Cable kit CD-ROM Power cord or External 110V or 230V power supply Rack mounting kit

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