Features
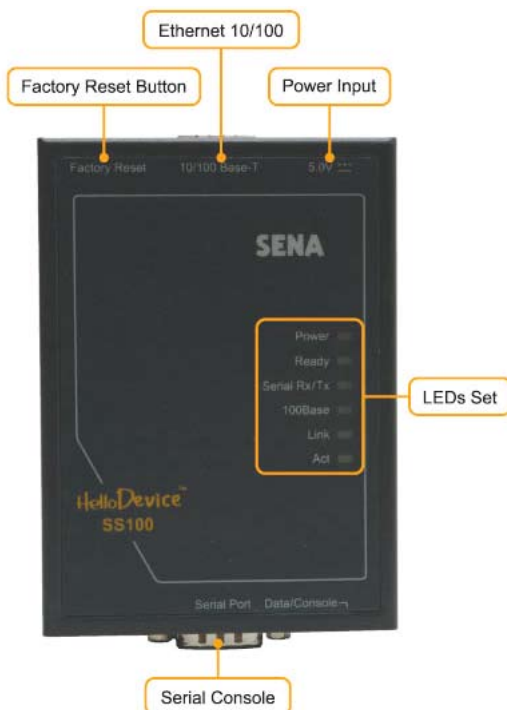
- Connects serial devices to 10/100Base-T Ethernet.
- Supports RS232/422/485 based serial devices, up to 230Kbps speed.
- Multiple host connections/data transfer.
- Powerful security support, SSL/TLS and data encryption
- Easy-To-Use customization support
- System logging & port logging.
- Dynamic DNS and PPPoE protocol for DSL connection to broadband Internet.
- Configuration via Web, Telnet/SSH or serial port.
- Surge protector included.
- Supports both wall and DIN-Rail style mounting.
- Supports RFC 2217, Telnet COM Port Control Protocol

Panel Layout

The Linux-based HelloDevice Super Series, is a universal

Secure Device Server that allows 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 HelloDevice Super Series supports various data encryption protocols such as SSL/TLS and data encryption. In addition, IP address filtering function is provided for protecting unintentional data streams to be transmitted to the HelloDevice Super Series.

Customization support features enable users to easily customize the box onthe-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.

With PPPoE(PPP-over-Ethernet) connection feature of the HelloDevice Super Series, the RS232/422/485 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 HelloDevice Super Series enables you to access serial devices using custom domain names.

The HelloDevice Super Series 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

Typical application areas of the HelloDevice Super Series include:
- Industrial Automation   - Building automation
- Network management   - Security/Access control Systems
- Retail/Point of Sale   - General data acquisition application
- Remote metering   - Medical Automation
- Remote display

HelloDevice Super Series, SS100

Specifications

Serial Interface
* Serial speeds 75bps to 230Kbps
* Connector
  - DB9: SS100
* Flow Control
  - Hardware, Software
* Signals
  - RS232 Rx, Tx, RTS, CTS, DTR, DSR, GND
  - RS422 Rx+, Rx-, Tx+, Tx-
  - RS485 Data+, Data-
* Surge protector equipped for 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

Ethernet modem
* Full support for AT commands

Security
* SSH, SSL/TLS
* Data Encryption
* IP address filtering
* HTTPS

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

Diagnostic LED
* Power
* Ready
* 10/100 Base Link, Act
* Serial InUse/Rx/Tx for each serial port

Power
* SS100: 5VDC, 0.5A@5VDC

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

Physical properties
* SS100 100 x 72 x 25 (mm)
          3.94 x 2.83 x 0.98 (in.)
          240g

Certification
* FCC(A), CE, MIC

Warranty
* 5-year limited warranty

Ordering Information

SS100　　　　　　HelloDevice Super single-port serial device server

Includes:
- *Quick Start Guide*
- *External 110V or 230V power supply*
- *Cable kit*

Optional Accessories:
- DIN-rail mount kit for the SS100

chipsen

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