

HelloDevice Super Series, SS100



Universal Single-Port Serial-Ethernet Communication Device

Last updated: 1 August, 2002



Linux
inside



Features

- Connects legacy serial devices to 10/100Base Ethernet network
- Supports RS232/422/485 based serial devices via its DB9 serial port
- Serial data transfer rate up to 230Kbps
- Dynamic DNS and PPPoE protocols for broadband network connectivity
- Standard-based data encryption protocol, SSL(Secure Socket Layer)
- Configuration via web, telnet or serial port
- Management software for configuration and administration included

The HelloDevice SS100

is a universal Serial-Ethernet communication device that 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. With PPPoE(PPP-over-Ethernet) connection feature of the HelloDevice SS100, 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 SS100 enables you to access the serial devices with their domain names.

The HelloDevice SS100 also provides you with full-featured system management functionality of system status display, firmware upgrade, remote reset and error log display by using various ways such as telnet, serial console port or web.

You could easily configure and administrate the HelloDevice SS100, with the full-featured management functions of status monitor, remote reset, error log monitor and firmware upgrade by using Telnet and serial console port under the password protection support.

For critical applications of secure data communication, the HelloDevice SS100 supports SSL for data encryption. In addition, IP address filtering function is provided for protecting unintentional data streams to be transmitted to the HelloDevice SS100.

Typical application areas of the HelloDevice SS100 are:

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

The HelloDevice SS100 gives you ideal remote management capability of control, monitoring, diagnosis and data gathering for RS232/422/485 serial devices over the internet.

Specifications

Serial Interface	One DB9 serial port Serial speeds 1200bps to 230Kbps Flow Control: Hardware RTS/CTS, XON/XOFF Signals: RS232 Rx, Tx, RTS, CTS, DTR, DSR, GND RS422 Rx+, Rx-, Tx+, Tx- RS485 Data+, Data-	Management	Web Telnet Serial console port HelloDevice Manager System log and statistics Error log storage up to 100 messages Automatic email delivery of error log Full-featured system status display Firmware Stored in Flash memory and download-able via serial console or telnet
Network Interfaces	10/100 Base Ethernet with RJ45 Ethernet connector Supports static and dynamic IP address	Diagnostic LED	Power Ready 10/100 Base Link, Act Serial Rx/Tx for each serial port
Protocols	ARP, IP/ICMP TCP, UDP Telnet DNS, Dynamic DNS HTTP, SMTP DHCP client PPPoE SNMP v1 & v2	Power	Supply voltage: 7.5V ~ 30V DC Supply current: 660mA (nom.)
Security	User ID & Password Data Encryption: SSL IP address filtering	Environmental	Operating temperature: 5°C to 50°C Storage temperature: -40°C to 66°C
		Physical properties	Dimension (L x W x H) 100 x 72 x 25 (mm) 3.9 x 2.8 x 1.0 (in.) Weight: 240g
		Approvals	FCC(A), CE(A), MIC
		Warranty	5-year limited warranty

Ordering Information

SS100 Universal Single-Port Serial-Ethernet Communication Device

Includes Quick Start Guide
CD-ROM
Serial data cable
External 110V or 230V power supply

SS100B Board of SS100

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<http://www.sena.com>

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