

Data Sheet

CSE-H53N | Industrial RS232 Ethernet Device Server



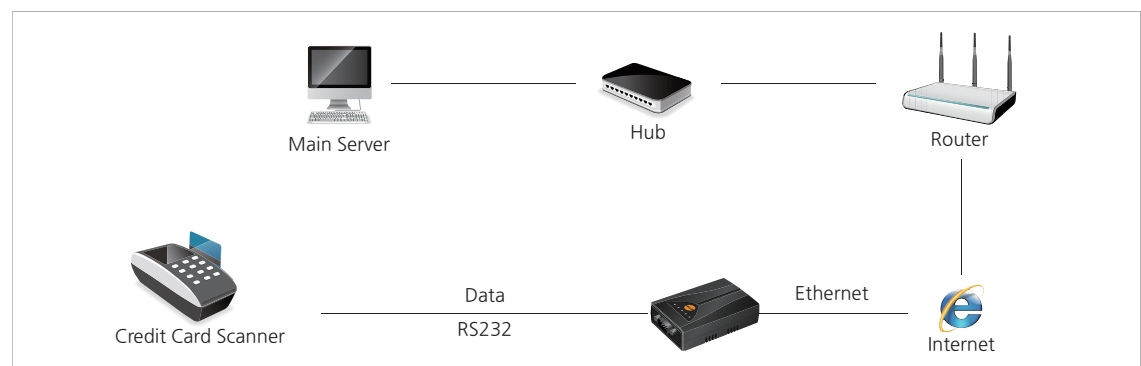
Overview

CSE-H53N is a Serial to Ethernet converter that supports IPv6 addressing architecture as well as IPv4. It features RS232 interface and industrial temperature range of -40°C to +85°C. As CSE-H53N has a lot of communication functions such as debugging, DNS, DDNS, Telnet COM Port Control Option and etc., it can be applied in various communication environments.

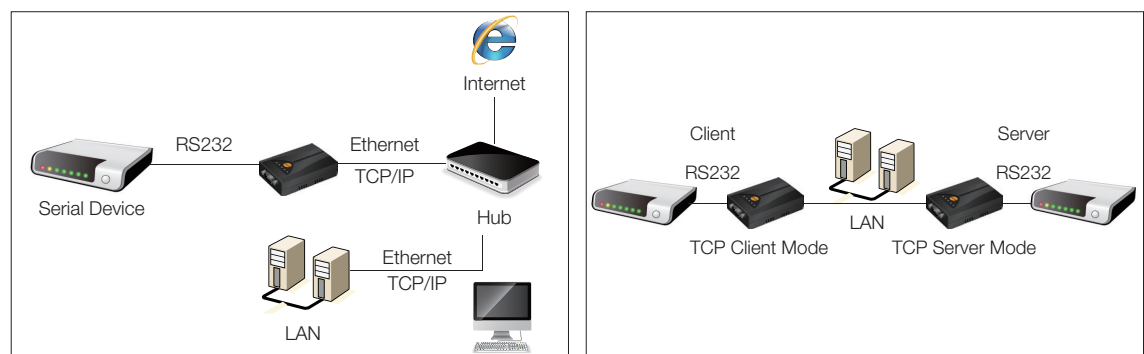
Features

- IPv4 / IPv6 dual stack
- Stateless / Stateful (DHCPv6) address auto-configuration
- IPv6 fragmentation
- ICMPv6, TCPv6, UDPv6
- Ethernet 10Base-T or 100Base-TX (Auto-Sensing)
- RS232 (D-sub 9pin Male, speed up to 230.4Kbps)
- Industrial temperature range (-40°C ~+85°C)
- Variety of monitoring status (ezManager, TELNET)
- Separator settings for packet fragmentation

Applications



System Diagram



Specifications

Serial Physical Interface	
Serial Interface	RS232 RXD, TXD, GND, RTS, CTS
Connector	9 pin D-sub male
Serial Port Properties	
Baudrate	300 bps ~ 230,400 bps
Data Bits	8 bits, 7bits with parity
Parity	None, Even, Odd, Mark, Space
Stop Bit	1 , 1.5, 2
Network Physical Interface	
Network Interface	10Base-T/100Base-TX Ethernet (RJ45) Ethernet Speed Auto Sense 1:1 or Cross-over Cable Auto Sense
Software Functions	
Protocols	IPv4/IPv6 dual stack, ICMPv6/TCPv6/UDPv6, TELNET TCP, UDP, IP, ICMP, ARP / DHCP, PPPoE, DNS, DDNS Telnet COM Port Control Option (RFC 2217)
Security	SSL (Secure Socket Layer) IP & MAC filtering - Restrict host or network Password for Configuring
Communication Mode	TCP Server (T2S) TCP Client (COD) TCP Server/Client with AT command (ATC) - Patent UDP Mode (U2S)
Additional Functions	Separator settings for packet fragmentation TCP Server/Client Mode Sending MAC address Option
Indicators (LEDs)	
Power	Red
Status	Yellow
Ethernet Link	Green
Ethernet RXD	Yellow
Ethernet TXD	Green
Serial RXD	Yellow
Serial TXD	Green
Management	
ezManager	Configuration and Monitoring Tool through Ethernet
TELNET	Telnet Login
AT Command	Configuring in ATC mode - Patent
Supplementary Software	
ezManager	Configuration Tool for Windows
ezVSP	Serial to Network Virtual Driver for Windows
ezTerm	Simple TCP/IP Communication Test Tool
Dimension	
Size	89.0mm x 57.0mm x 24.0mm
Operating Environment	
Input Voltage	DC 5V ±0.5V
Protection	Over Current Protection / Reverse Voltage Protection / Surge Protection
Current Consumption	200mA typical
Operating Temperature	-40 °C ~ +85 °C
Storage Temperature	-40 °C ~ +85 °C