

CSE-H53N

(IPv6 based RS232 Ethernet Converter)



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 $+85^{\circ}\text{C}$. 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.

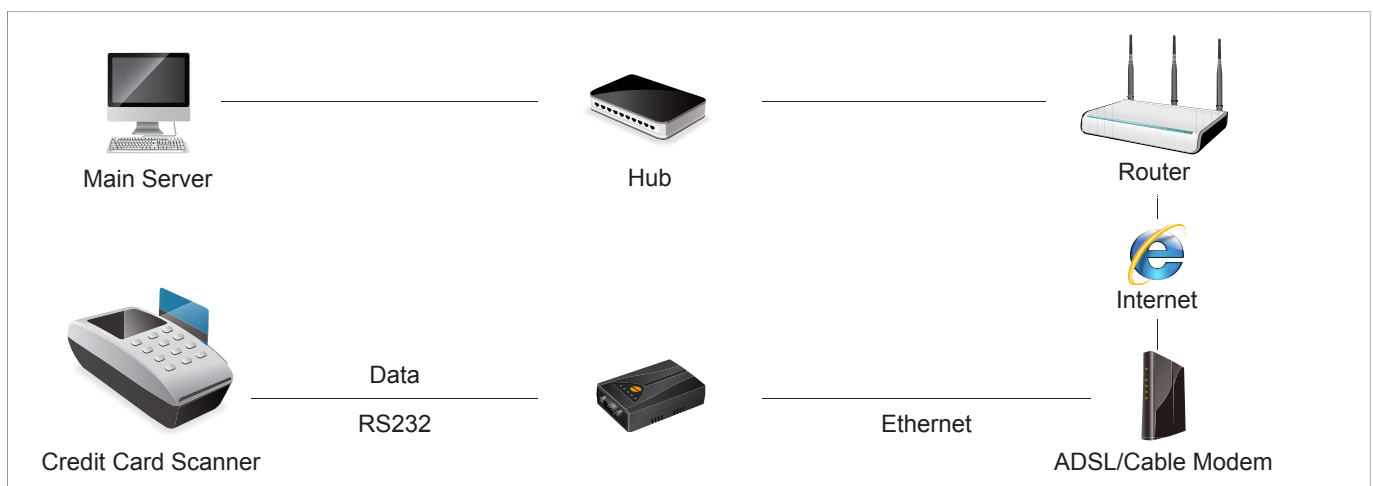
Highlights

- 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 ~ $+85^{\circ}\text{C}$)
- Variety of monitoring status (ezManager, TELNET)
- Separator settings for packet fragmentation

Icons



Applications



Specifications

Serial Physical Interface	
Serial Interface	RS232
	RXD, TXD, GND, RTS, CTS
Connector	9 pin D-sub male
Serial Port Properties	
Baudrate	1,200bps ~ 230,400bps
Data Bits	8 bits
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

Dimension	
Size	89.0mm x 57.0mm x 24.0mm
Operating Environment	
Input Voltage	DC 5V \pm 0.5V
Current Consumption	200mA typical
Operating Temperature	-40°C ~ +85°C
Storage Temperature	-40°C ~ +85°C

System Diagram

