

# CSE-H53N

(IPv6 based RS232 Ethernet Converter)



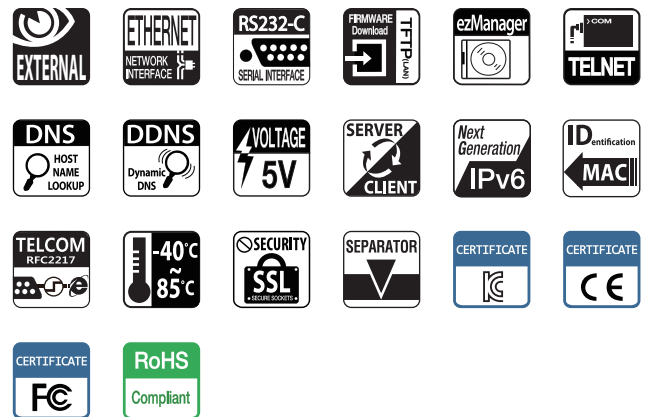
## Overview

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  $-40^{\circ}\text{C}$  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.

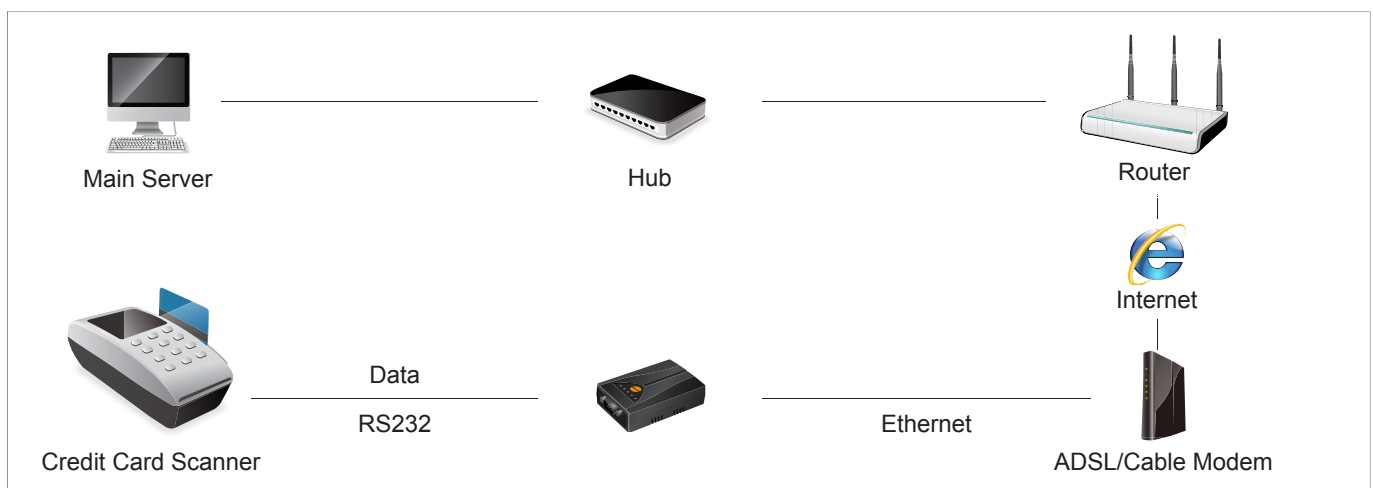
## Highlights

- 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 ( $-40^{\circ}\text{C}$  ~  $+85^{\circ}\text{C}$ )
- Variety of monitoring status (ezManager, TELNET)
- Separator settings for packet fragmentation

## Icons



## Application



# 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, 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
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## Operating Environment

Input Voltage	DC 5V ±0.5V (Reverse Voltage Protection Function)
Protection	Over Current Protection / Reverse Voltage Protection
Current Consumption	200mA typical
Operating Temperature	-40°C ~ +85°C
Storage Temperature	-40°C ~ +85°C

# System Diagram

