

CSE-H55N

(IPv6 based RS422/485 Ethernet Converter)



Overview

CSE-H55N is a Serial to Ethernet converter that supports IPv6 addressing architecture as well as IPv4. It features RS422/RS485 interfaces and industrial temperature range of -40°C to +85°C. As CSE-H55N has a lot of communication functions such as debugging, DNS, DDNS and etc. it can be applied in various communication environments.

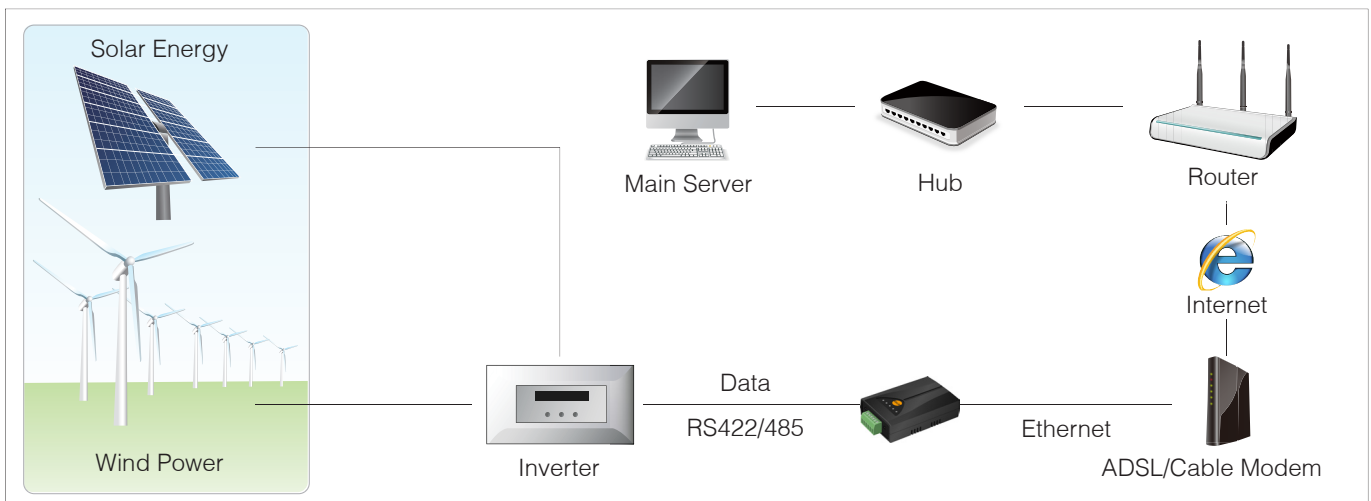
Highlights

- IPv4 / IPv6 dual stack
- Stateless / Stateful (DHCPv6) address auto-configuration
- IPv6 fragmentation
- ICMPv6, TCPv6, UDPv6
- Ethernet 10Base-T or 100Base-TX (Auto-Sensing)
- RS422/RS485 (Terminal Block)
- Industrial temperature range (-40°C ~ +85°C)
- Variety of monitoring status (ezManager, TELNET)
- Separator settings for packet fragmentation

Icons



Applications



Specifications

Serial Physical Interface

Serial Interface	RS422 / RS485
	TX+, TX-, GND, RX+, RX-, GND / TRX+, TRX-, GND
Connector	3.5mm Pitch Terminal Block

Serial Port Properties

Baudrate	1,200 bps ~ 230,400 bps
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
	TCP, UDP, IP, ICMP, ARP, TELNET
	DHCP, PPPoE, DNS, DDNS
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	94mm x 57mm x 24mm
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Operating Environment

Input Voltage	DC 5V \pm 0.5V (Reverse Voltage Protection Function)
Protection	Over Current Protection / Reverse Voltage Protection
Power Consumption	110mA typical
Operating Temperature	-40°C ~ +85°C
Storage Temperature	-40°C ~ +85°C

System Diagram

