Data Sheet

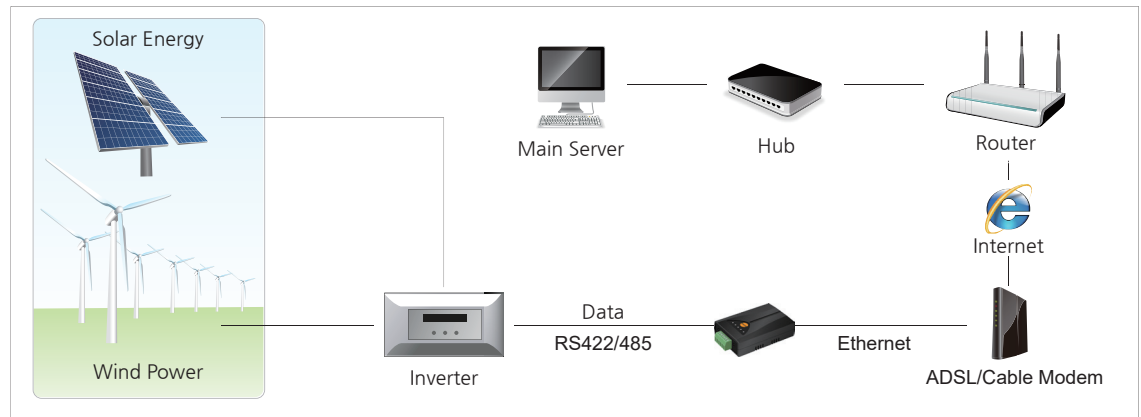# CSE-H55N2 | Industrial RS422/RS485 Ethernet Device Server

Overview

CSE-H55N2 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℃~+85℃. As CSE-H55N2 has a lot of communication functions such as debugging, DNS, DDNS and etc. It can be applied in various communication environments.
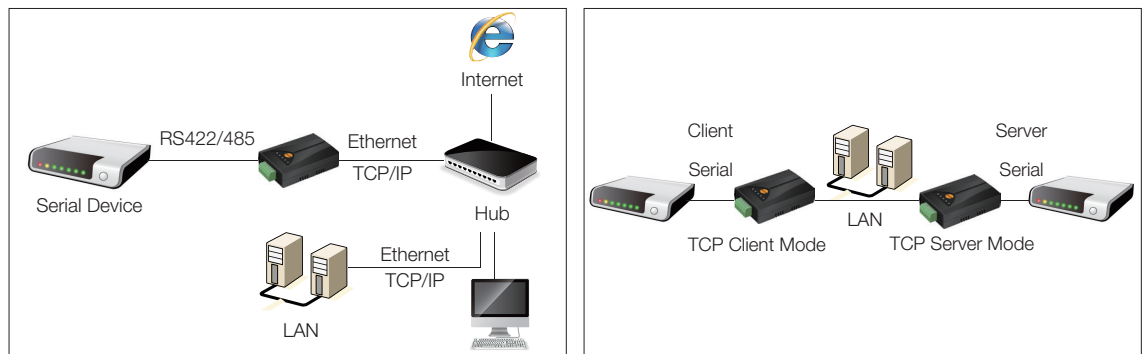
Features

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

Applications

System Diagram

Specifications

Serial Physical Interface	
Serial Interface	RS422 - TX+, TX-, RX+, RX-, GND with embedded 3.9K biasing resistors and TVS
	RS485 - TRX+, TRX-, GND with embedded 3.9K biasing resistors and TVS
Connector	3.5mm Pitch Terminal Block
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
	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
Supplenetary 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
Operating Environment	
Input Voltage	DC 5V ±0.5V
Protection	Over Current Protection / Reverse Voltage Protection / Surge Protection
Current Consumption	190mA typical
Operating Temperature	-40℃ ~ +85℃
Storage Temperature	-40℃ ~ +85℃