

Data Sheet

CSE-H55N2 | Industrial RS422/RS485 Ethernet Device Server



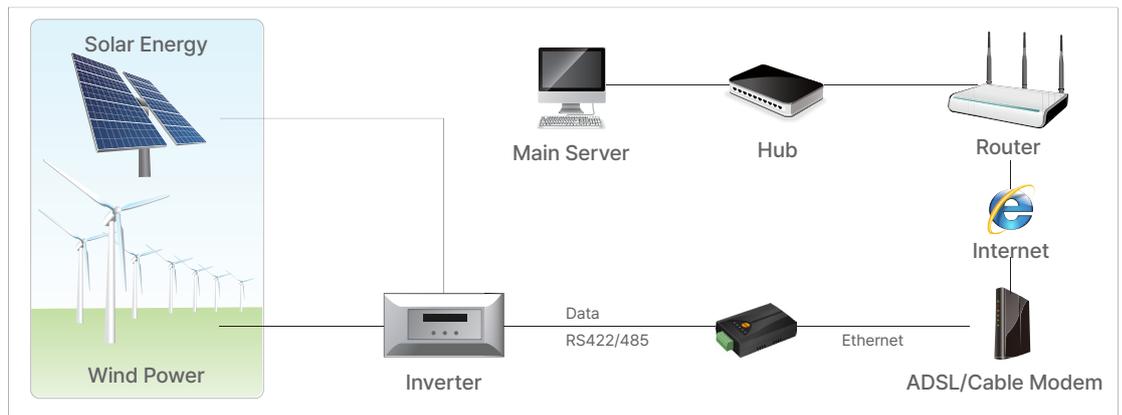
Overview

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

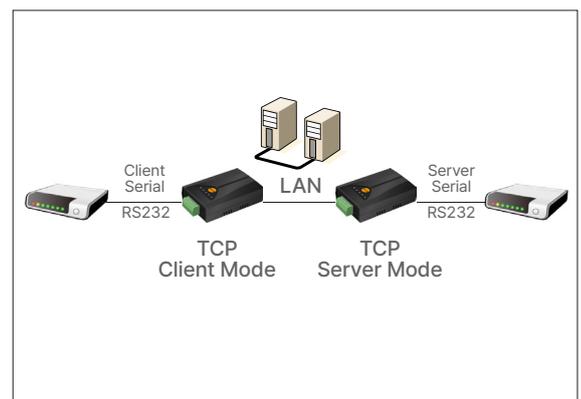
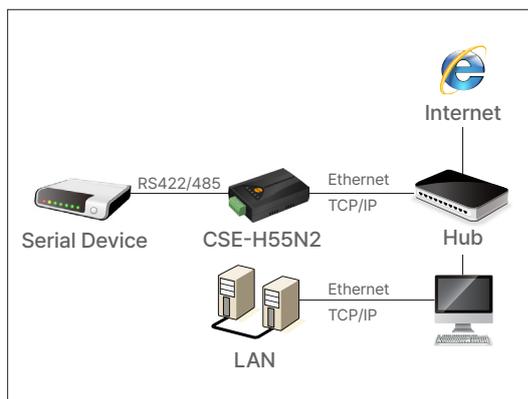
Features

- 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°C~+85°C)
- Multiple Connection (F/W v2.3A or later)
- Variety of monitoring status (ezManager, TELNET)
- Separator settings for packet fragmentation

Application



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 Property			
Baudrate	300 bps ~ 230,400 bps		
Data Bits	8bits, 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	Ethernet TXD	Green
Status	Yellow	Serial RXD	Yellow
Ethernet Link	Green	Serial TXD	Green
Ethernet RXD	Yellow		
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		
Operating Environments			
Input Voltage	DC 5V ±0.5V		
Protection	Over Current Protection / Reverse Voltage Protection / Surge Protection		
Current Consumption	190mA typical		
Operating Temperature	-40°C ~ +85°C		
Storage Temperature	-40°C ~ +85°C		