

CSE-H21

(Serial Ethernet Converter)



Highlights

- Multi port RS232 to Ethernet Converter
- Durable steel case
- 10/100Base-T Ethernet, auto MDI/MDIX
- 2 x RS232 (D-SUB 9pin Male, up to 230.4Kbps)
- Electronically isolated serial ports (noise resistance)
- Wide range of operating temperature (-40°C ~ +70°C)
- Access Restriction : IP and MAC address filtering, Password
- Security Protocols : SSL3.0/TLS1.0, SSH2.0
- Flexible configuration and network communication by 'AT Commands' (patent)
- 4 Communication modes (TCP server, TCP client, AT Command and UDP)
- Variety of monitoring status (debugging mode, ezManager, Telnet)
- DHCP and PPPoE
- DNS (easy access using domain name)
- DDNS (dynamic IP address management by domain name)
- IP Change Notification for dynamic IP address management (TCP, UDP and DDNS)
- Telnet COM Port Control Option (RFC 2217)
- Firmware upgrade through Network
- Powerful management software for Windows OS (ezManager)
- Virtual COM Port Redirector for Windows OS (ezVSP)
- Environmentally-friendly RoHS compliant

Overview

CSE-H21 is a product for manufacturers who want to quickly and easily add Ethernet connectivity in their system.

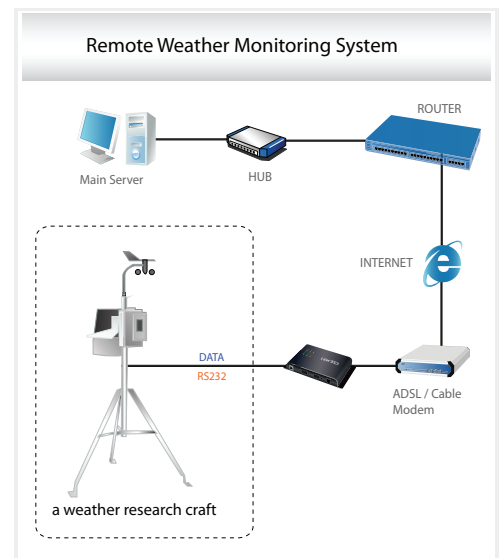
This compact product has two RS232 ports and helps your RS232 system get network connectivity with just serial connection.

Applying this product, not only you can reduce cost and risk, but also you can shorten development time to add the network capability.

Because CSE-H21 allows to extend the distance of your serial communication system, you are able to remotely control and monitor the serial devices over the Internet anywhere you are.

With advantages such as stable performance, noise resistance and wide range of operating temperature, CSE-H21 is suitable for many industrial sites.

Applications



Specifications

*Serial Physical Interface

Serial Interface

2 x RS232 Port
RXD, TXD, RTS, CTS
Electronically Isolated
±15KV ESD Protection

Connector

2 x DB9M Connector

*Serial Port Property

Data Rate

300 bps ~ 230400 bps

Data Bits

5, 6, 7, 8 bits

Parity

None, Even, Odd, Mark, Space

Stop Bit

1, 1.5, 2

Flow Control

RTS/CTS Hardware

* Network Physical Interface

Network Interface

RJ45 (10Base-T/100Base-TX Ethernet)
Ethernet Speed Auto Sense
1:1 or Cross-over Cable Auto Sense
1000 VAC Isolation
Surge protection

* Software Functions

Protocols

TCP, UDP, IP, ICMP, ARP, Ethernet, Telnet
TFTP, DHCP, PPPoE, DNS, DDNS
Telnet COM Port Control Option (RFC 2217)

Security

SSL (Secure Socket Layer)
SSH (Secure Shell)
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

Remote Debug Function
Sending MAC address Option

* Indicators(LEDs)

Power

Red

Status

Yellow, The current status

Ethernet Link

Green

Ethernet RXD

Yellow

Ethernet TXD

Green

COM Ports

TCP Connections, RXD, TXD, CTS, RTS

* Processors

CPU

ARM7 Core

ROM

256K bytes Flash Memory

RAM

64K bytes SRAM

* 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

hotflash

Firmware Upgrade Utility for Windows

* Dimension

Size

158mm x 90mm x 24mm

Body Netweight

about 340g

* Operating Environment

Input Voltage

DC 5±0.5V

Power Consumption

200mA typical

Operating Temperature

-40 °C ~ 70 °C

Storage Temperature

-40 °C ~ 85 °C

System Diagram

