

CSE-H53

(Secure Serial Ethernet Converter)



Overview

CSE-H53 is a cost-effective RS232 to Ethernet TCP/IP device server.

CSE-H53 supports industrial temperature specification(-40℃ ~+85℃) so it can be used in various temperature environment.

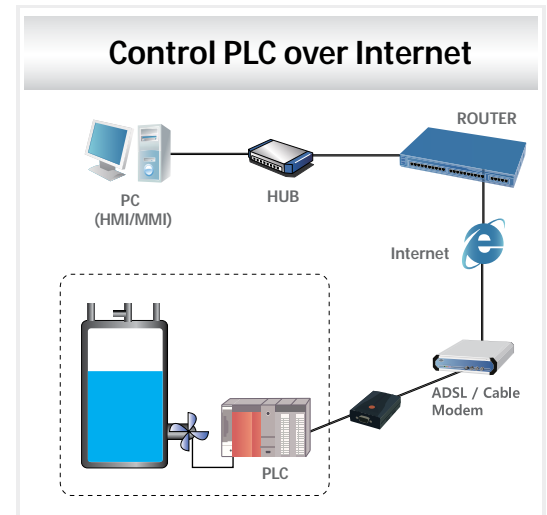
It embeds various powerful communication functions - debugging function, DNS, DDNS, Telnet COM Port Control Option, and etc.

So users can adapt it to various communication environments.

Highlights

- Remote Monitor and Control serial devices
- 10/100Base-T Ethernet
- RS232 (D-sub 9pin Male)
- Industrial Temperature Specification (-40℃ ~+85℃)
- Powerful communication status checkup(debugging mode, ezManager, Telnet)
- Flexible configuration and network communication by 'AT Commands' (patent)
- Supports communication with variety of TCP/UDP hosts(TCP Server/Client, UDP)
- Supports DHCP and PPPoE for xDSL and cable network
- Supports 'DNS' protocol for simple connection to the Internet
- Supports Dynamic IP environment: DDNS, IP Change Notification
- Telnet COM Port Control Option (RFC 2217)
- Easy configuration utility via network for Windows OS (ezManager)
- Virtual COM Port Redirector 'ezVSP' for Windows OS(provided free of charge)
- Firmware is upgradable through network
- Environmentally-friendly RoHS compliant

Applications



Specifications

*Serial Physical Interface

Serial Interface

1 x RS232
RXD, TXD, RTS, CTS, DTR, DSR

Connector

9 pin D-sub male

*Serial Port Property

Baudrate

300 bps ~ 921,600 bps

Data Bits

5, 6, 7, 8 bits

Parity

None, Even, Odd, Mark, Space

Stop Bit

1, 2

Flow Control

RTS/CTS Hardware, Xon/Xoff Software

* Network Physical Interface

Network Interface

10Base-T/100Base-TX Ethernet (RJ-45)

Ethernet Speed Auto Sense

1:1 or Cross-over Cable Auto Sense

* Software Functions

Protocols

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

Security

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
TCP server / client mode
Sending MAC address Option

* Indicators(LEDs)

Power

Status

Ethernet Link

Ethernet RXD

Ethernet TXD

* Processors

CPU

Cortex-M3 Core

ROM

64K bytes Flash Memory

RAM

16K bytes SRAM

* 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

87mm x 57mm x 24mm

* Operating Environment

Input Voltage

DC 5V ±0.5V

Operating Temperature

-40°C ~ 85°C

Storage Temperature

-40°C ~ 85°C

System Diagram

