

# CSE-H53

## (Secure Serial Ethernet Converter)



## Overview

CSE-H53是将串口设备连接到以太网的串口<->以太网的转换器。

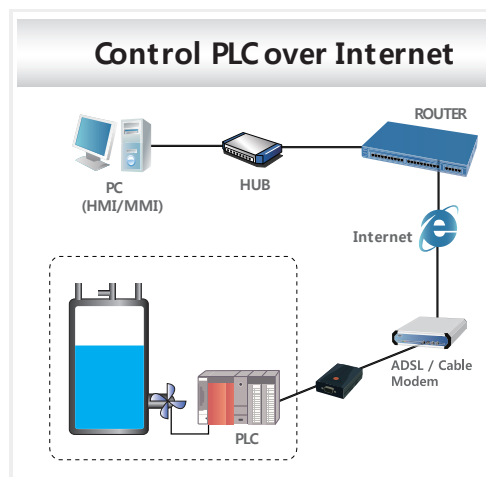
CSE-H53支援-40℃~+85℃的温度参数可适用于多样的温度环境中。

另外,强大的调试功能, DNS, DDNS, Telnet COM Port Control Option等多种通信技能, 适用于多样的通信环境。

## Highlights

- 10Base-T or 100Base-TX 以太网络 (自动检测)
- RS232 (D-sub 9pin Male)
- 工业用温度参数 (-40℃~+85℃) (-40℃~+85℃)
- 强大的检测通信状态功能 (debugging mode, ezManager, TELNET)
- 支援DHCP, PPPoE (可以在流动IP环境下使用)
- 支援多样化的HOST连接模式 (TCP 服务器, TCP客户端, UDP)
- 利用AT命令而控制的通信技能及提供设定功能 (专利)
- Host name lookup 技能 (DNS)
- 在流动IP环境下, 通过HOST可作为服务器使用 (DDNS)
- 流动IP环境下通报 (DDNS) IP地址功能
- 通过Telnet Com Port Control Option(RFC2217)支援简单的串口端口控制
- 提供使用简单的远程设定实用程序 (ezManager)
- 无偿提供用于PC用串口<->TCP/IP的虚拟系统 (ezVSP)
- 提供通过以太网端口固件升级的功能
- 遵守欧洲环境法规RoHS的环保产品

## 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 ~ 230,400 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

Red

#### Status

Yellow

#### Ethernet Link

Green

#### Ethernet RXD

Yellow

#### Ethernet TXD

Green

### \* Processors

#### CPU

ARM Cortex-M3 Core

#### ROM

64K bytes Flash Memory

#### RAM

16K 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 Win-  
dows

#### ezTerm

Simple TCP/IP Communication Test Tool

#### hotflash

Firmware Upgrade Utility for Windows

### \* Dimension

#### Size

89mm x 57mm x 24mm

#### Body Netweight

about 65g

### \* Operating Environment

#### Input Voltage

DC 5V ±0.5V

#### Power Consumption

120mA typical

#### Operating Temperature

-40℃ ~ 85℃

#### Storage Temperature

-40℃ ~ 85℃

### \* Approvals

#### CE

F690501/SP-EMY000240

#### KCC

SLS-CSE-H53 (A)

### \* Emissions

EN55022:2006 (Class A)

EN61000-3-2:2006

EN61000-3-3:1995/A1:2001/A2:2005

EN55024:1998/A1:2001/A2:2003

### \* Immunity

IEC61000-4-2:1995/A1:1998/A2:2001

IEC61000-4-3:2006

IEC61000-4-4:2004

IEC61000-4-5:2006

IEC61000-4-6:2007

IEC61000-4-11:2004

## System Diagram

