

CSE-H20

(2 Port Serial Ethernet Converter)



Highlights

- Multi port RS232 to Ethernet Converter
- Compact size : 87mm x 57mm x 24mm
- 10/100Base-T Ethernet, auto MDI/MDIX
- 2 x RS232 (RJ45 interface, up to 230.4Kbps)
- 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-H20 is a product for manufacturers who want to quickly and easily add Ethernet connectivity in their system.

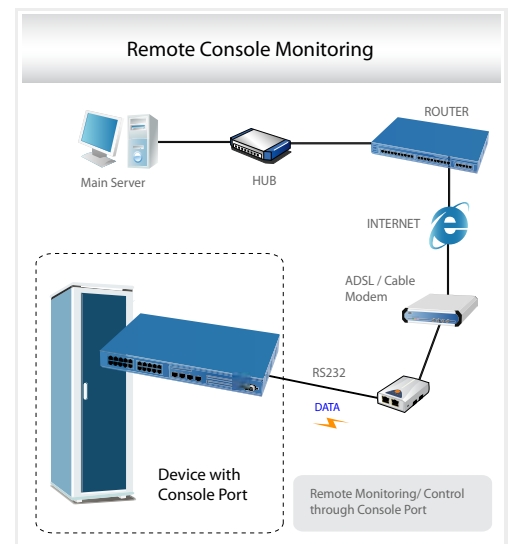
This compact product has two RS232 ports and helps your RS232 system get network connectivity with just serial connection.

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-H20 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.

Since CSE-H20 has two RS232 port, it could be an ideal solution for environments where multiple serial devices are used.

Applications



Specifications

*Serial Physical Interface

Serial Interface

2 x RS232 Port
RXD, TXD, RTS, CTS, DTR, DSR
±15KV ESD Protection

Connector

2 x RJ45 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

* 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)

UDP mode (U2S)

Additional Functions

Remote Debug Function

Sending MAC address Option

* Indicators(LEDs)

Power

Red

Status

Yellow, The current status

Ethernet Link

Red - 10M Ethernet,

Green - 100M Ethernet

Ethernet RXD

Yellow

Ethernet TXD

Green

COM RXD, COM TXD

Serial Port Status

* 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

* 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

Body Netweight

about 70g

* Operating Environment

Input Voltage

DC 5±0.5V

Power Consumption

200mA typical

Operating Temperature

0 °C ~ 55 °C

Storage Temperature

-40 °C ~ 85 °C

* Approvals

CE

F690501/SP-EMC000979

FCC

STK-07-EMCG0122

MIC

SLS-CSE-H20 (A)

* Emissions

EN55022:1998/A1:2000/A2:2003 (Class A)

EN61000-3-2:2000

EN61000-3-3:1995/A1:2001

EN55024:1998/A1:2001/A2:2003

* Immunity

IEC61000-4-2:2001

IEC61000-4-3:2006

IEC61000-4-4:2004

IEC61000-4-5:2005

IEC61000-4-6:2006

IEC61000-4-11:2004

System Diagram

