

Data Sheet

CSE-H20 | 2 Port Serial Ethernet Converter



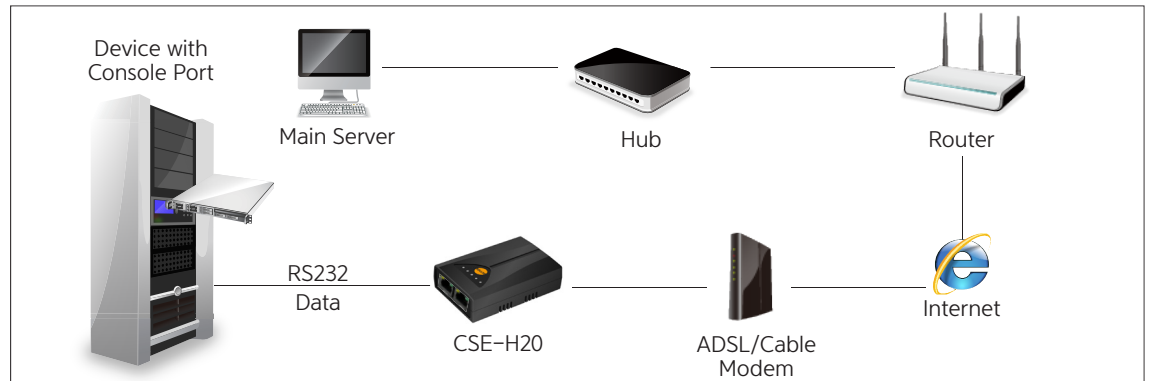
Overview

CSE-H20为可以远程控制并管理串口设备而连接到以太网或是因特网的外置型串口↔以太网的转换器。CSE-H20连接到现有设备中，在不改变现有软件系统下可以方便地连接到网络。换句话说在TCP/IP 协议下传送数据时，自动处理数据，将没有TCP/IP技能的使用者设备轻松地连接到因特网中。不仅如此，由于连接到了因特网，故可以将现有的串口设备的通信距离进行扩张。CSE-H20应用了两个RS232端口，将TCP/IP技 硬件中最小化使用 TCP/IP的方式。

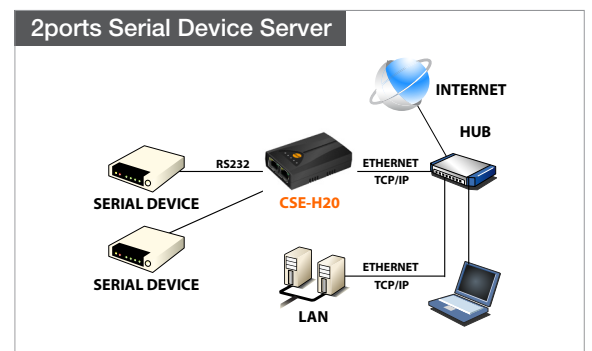
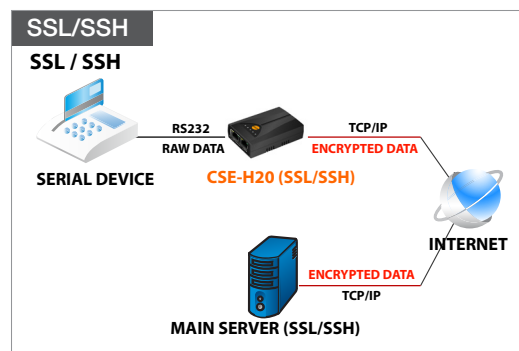
Features

- 将现有串口设备连接在10/100Base-T以太网
- 支援两个RS232端口(最高 230,400bps, RJ45接口)
- 支援安全功能(SSL3.0/TLS1.0, SSH2.0, IP filtering, Password)
- 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)
- 通过Telnet Com Port Control Option(RFC2217)支援简单的串口端口控制
- 无偿提供用于PC 用串口<->TCP/IP的虚拟系统(ezVSP)

Application



System Diagram



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 Properties	
Baudrate	300 bps ~ 230400 bps
Data Bits	5, 6, 7, 8 bits
Parity	None, Even, Odd, Mark, Space
Stop Bit	1, 1.5, 2
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)	
PWR	Red
Status	Yellow, The current status
Ethernet Link	Red - 10M Ethernet, Green - 100M Ethernet
Ethernet RXD	Yellow
Ethernet TXD	Green
Management	
ezManager	Configuration and Monitoring Tool through Ethernet
Telnet	Telnet Login
AT Command	Configuring in ATC mode
Dimension	
Size	87mm x 57mm x 24mm
Operating Environment	
Input Voltage	DC 5V ±0.5V
Current Consumption	200mA typical
Operating Temperature	0°C ~ +55°C
Storage Temperature	-40°C ~ +85°C