

Data Sheet

CSE-H20 | 2 Port Serial Ethernet Converter



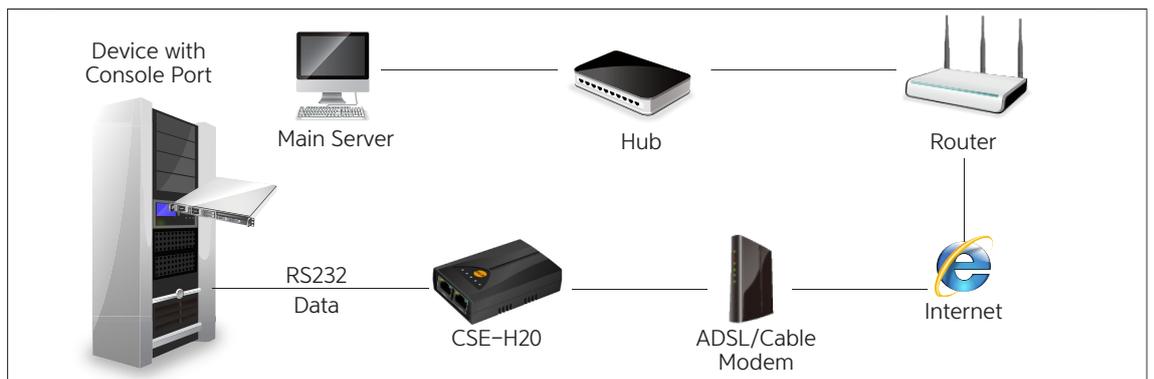
Overview

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

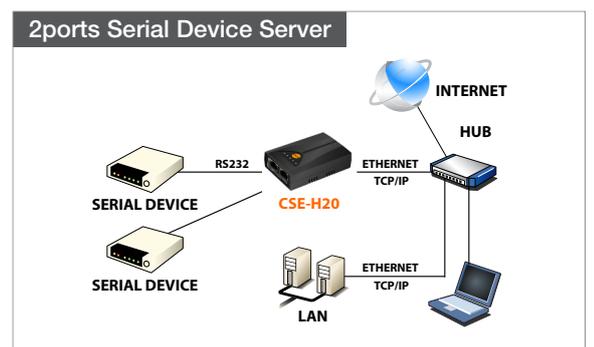
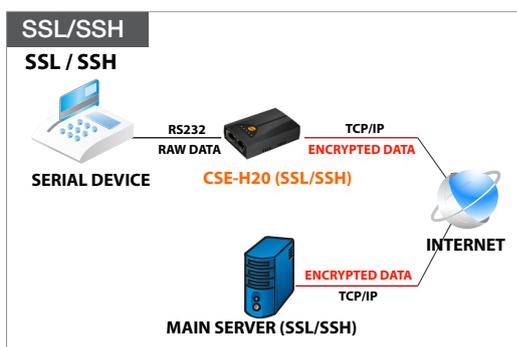
Features

- Multi port RS232 to Ethernet Converter
- 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)
- Telnet COM Port Control Option (RFC 2217)
- Virtual COM Port Redirector for Windows OS (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