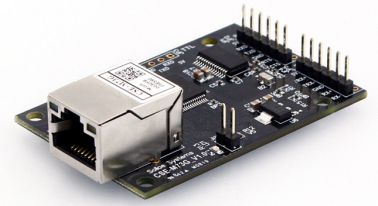


Data Sheet

CSE-M73G | Embedded Serial to Ethernet Converter



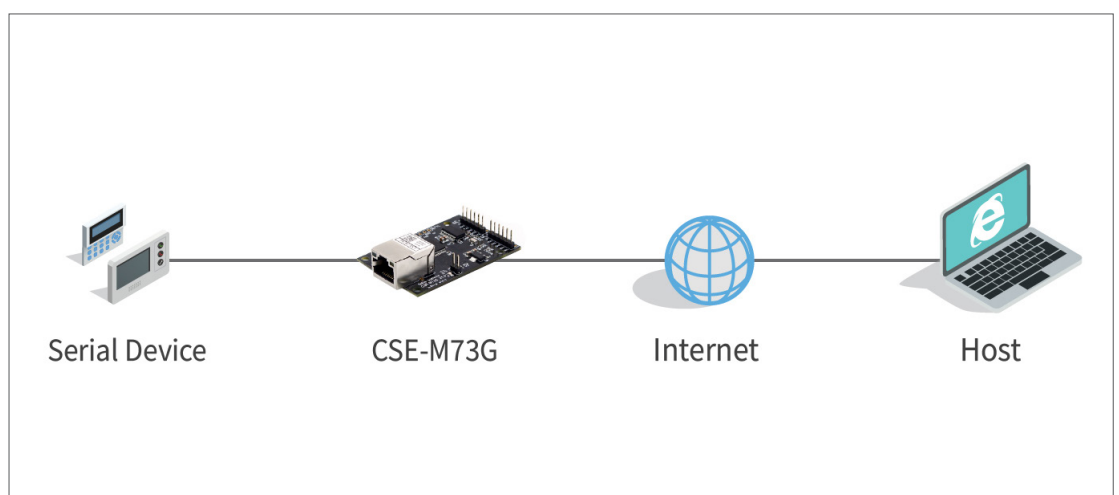
Overview

CSE-M73G serves to connect serial communication equipment to the Internet. The TCP/IP protocol must be used to communicate over the Internet, and the CSE-M73G handles the bidirectional conversion process. The CSE-M73G supports RS232, RS422, RS485, and 3.3V and includes an RJ45 connector for easy integration into user systems.

Features

- Pin-to-pin compatible with CSE-M73 and CSE-M73A
- 1 x UART port: RS232/RS422/RS485/3.3V
- Equipped with an Ethernet connector: 10/100Mbps
- Supports multiple connections for multi-monitoring (up to 8 channels)
- Secure communication function (TLS v1.2)
- Supports IPv6 (IPv4/IPv6 dual stack)
- Flexible environment configuration and communication functions through AT commands (patented)
- Delimiter settings for packet fragmentation
- Industrial temperature specifications (-40°C ~ +85°C)

System Diagram



Specifications

Serial Physical Interface	
Serial Interface	RS232 - RXD, TXD, RTS, CTS, GND
	RS422 - TX+, TX-, RX+, RX-, GND
	RS485 - TRX+, TRX-, GND
	3.3V(5V tolerant input) - RXD, TXD, RTS, CTS, GND
Connector	1 × 6 2.54mm pitch pin header
Serial Port Property	
Baudrate	300bps ~ 230,400bps
Data Bits	8bits, 7bits with parity
Parity	None, Even, Odd, Mark, Space
Stop Bit	1, 2 (* a single idle bit is automatically added to every stop bit by the MCU function)
Flow Control	None, RTS/CTS, Xon/Xoff
Network Physical Interface	
Network Interface	10Base-T/100Base-TX Ethernet
	Ethernet Speed Auto Sense
	1:1 or Cross-over Cable Auto Sense
	Equiped with an RJ45 connector
Software Functions	
Protocol	TCP, UDP, IPv4/IPv6 dual stack, ICMPv6/TCPv6/UDPv6, ICMP, ARP, DHCP, PPPoE, DNS, DDNS(Dynamic DNS), Telnet, TLS, Telnet COM Port Control Option (RFC 2217)
Security	TLS v1.2
	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 Function	Separator settings for packet fragmentation
	TCP Server / Client Mode
	Sending MAC address Option
Indicators	
LED	PWR, LINK(RJ45), STS(RJ45)
Management	
ezManager	Configuration and Monitoring Tool through Network and Serial
Telnet	Telnet Login
AT Command	Configuring in ATC Mode - Patent
Supplementary Software	
ezManager	Configuration Tool for Windows
ezVSP	Serial to Network Virtual Driver for Windows
ezTerm	Simple TCP/IP Communication Test Tool
Dimension	
Size	64.3 × 40 × 17 [mm]
Weight	Approximately 17g
Operating Environments	
Input Voltage	DC 5V
Current Consumption	95mA typical
Operating Temperature	-40 ~ +85 [°C]
Storage Temperature	-40 ~ +85 [°C]