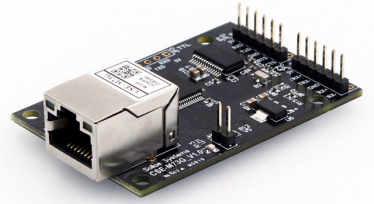


데이터시트

# CSE-M73G | Embedded Serial to Ethernet Converter



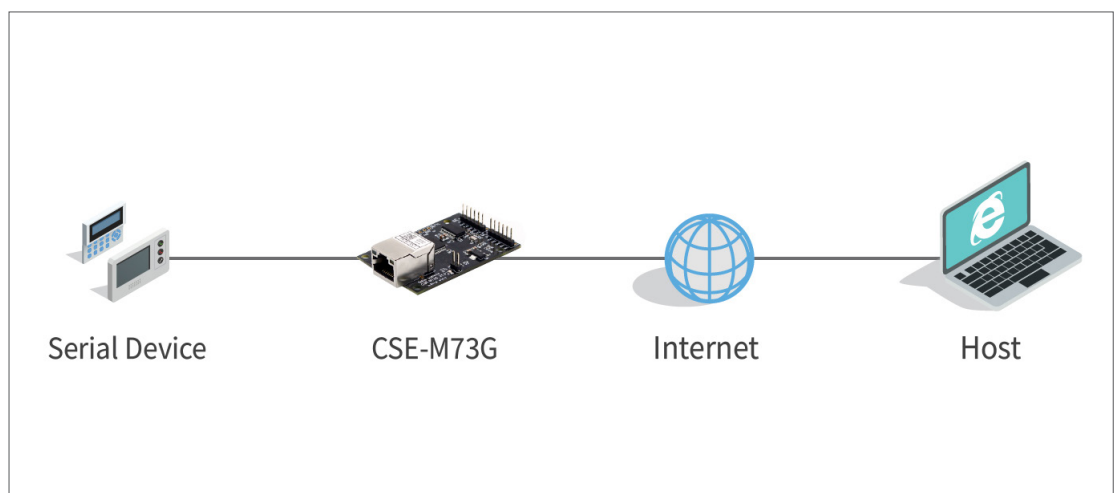
## Overview

CSE-M73G는 시리얼 통신 장비를 인터넷으로 연결해 주는 역할을 합니다. 인터넷에서 통신을 하기 위해서는 TCP/IP 프로토콜을 사용해야 하는데 CSE-M73G가 그 변환 과정을 양방향으로 처리해 줍니다. CSE-M73G는 RS232, RS422, RS485와 3.3V를 지원합니다. 또한 RJ45 커넥터를 탑재하여 사용자 시스템에 더욱 쉽게 사용될 수 있습니다.

## Features

- CSE-M73 및 CSE-M73A와 Pin to Pin 호환 설계
- 1 x UART 포트: RS232/RS422/RS485/3.3V
- 이더넷 커넥터 장착: 10/100Mbps
- 멀티모니터링 기능을 위한 다중접속 지원(최대 8채널)
- 보안 통신 기능(TLS v1.2)
- IPv6 지원(IPv4 / IPv6 듀얼스택)
- AT 명령어를 통한 유연한 환경 설정 및 통신 기능 제공(특허)
- 패킷 분할 구분문자 설정 기능
- 산업용 온도 사양(-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]