SOLLAE SYSTEMS
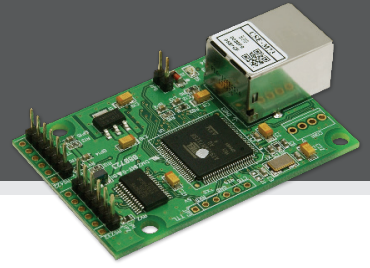
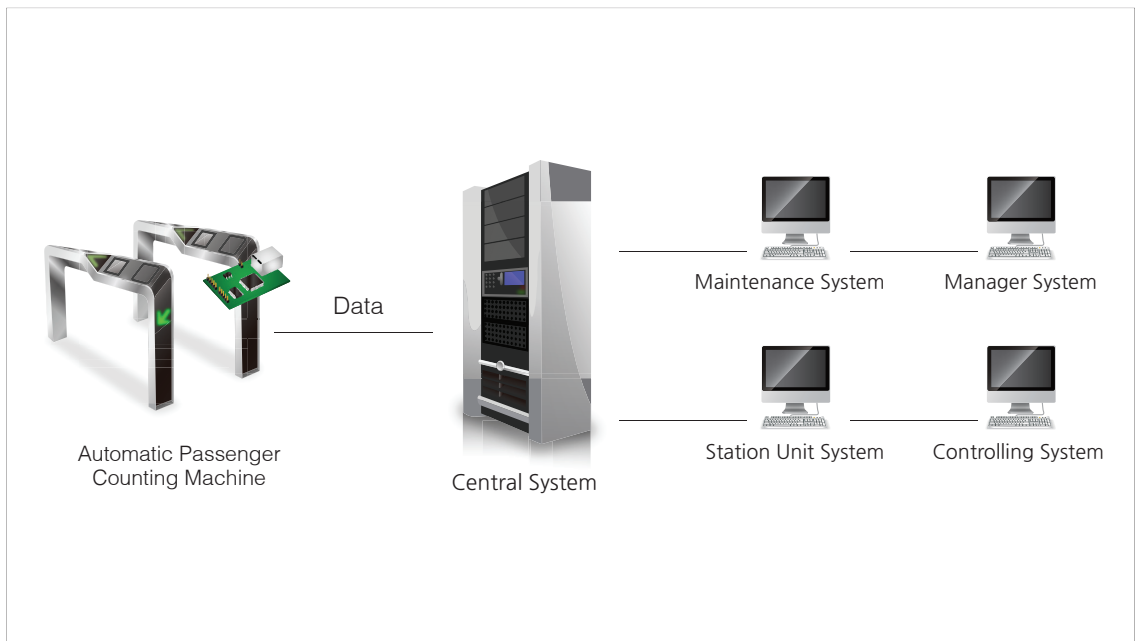# CSE-M73 | Embedded Serial to Ethernet Converter

Overview

CSE-M73 is an embedded serial to Ethernet module with a built-in RJ45 connector for Ethernet interface. Embedded with an optimized TCP/IP stack, this module enables your serial equipment to access to the network without changing existing software. In other words, CSE-M73 handles TCP/IP protocol to provide your serial equipment with seamless network connectivity, so that help you control, monitor and manage your serial equipment at a remote site. CSE-M73 mainly benefits you from multi-monitoring that allows your serial devices to be monitored by multiple hosts at the same time. Also, this serial to Ethernet module helps you minimize the hassle needed to mount since it comes equipped with a RJ45 connector and seraial port interfaced with RS232, RS422, and RS485.

Features

· 1 x RS232/RS422/RS485
· 10/100Mbps Ethernet
· RJ45 connector embedded
· Compact module type (64.4mm x 40mm x 17mm)
· Multi-Monitoring (maximum 8 channels)
· SSL (Secure Sockets Layer)
· Separator settings for packet fragmentation
· Flexible configuration and network communication by 'AT Commands' (patent)

Applications

Automatic Passenger Counting Machine

Data

Central System

Maintenance System

Manager System

Station Unit System

Controlling System

Specifications

	Serial Physical Interface		
Serial Interface	RS232 - RXD, TXD, CTS, RTS, GND		
	3.3V level with 5V tolerant input - RXD, TXD, RTS, CTS, GND		
	RS422 - TX+, TX-, RX+, RX-, GND		
	RS485 - TRX+, TRX- , GND		
Connector	1 X 6 2.54mm pitch pin header		
	Serial Port Properties		
Baudrate	300bps ~ 230,400bps		
Data Bits	5, 6, 7, 8 bits		
Parity	None, Even, Odd, Mark, Space		
Stop Bit	1, 1.5, 2		
	Network Physical Interface		
Network Interface	10Base-T/100Base-TX Ethernet(RJ45)		
	Ethernet Speed Auto Sense		
	1:1 or Cross-over Cable Auto Sense		
	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) - Patent		
	UDP Mode (U2S)		
Additional Functions	Multi-monitoring (Max. 8 TCP connections simultaneously)		
	Remote Debug Function		
	TCP Server/Client Mode		
	Sending MAC address Option		
	Indicators (LEDs)		
Power	Red		
LAN Link/LAN RXD	Green		
Status/LAN TXD	Yellow		
	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	64.4mm x 40mm x 17mm		
	Operating Environment		
Input Voltage	DC 5V		
Current Consumption	200mA typical		
Operating Temperature	0℃ ~ +55℃		
Storage Temperature	-40℃ ~ +85℃		