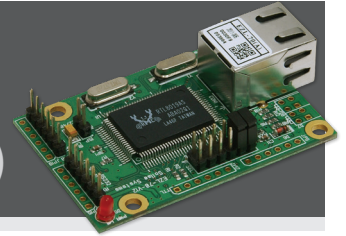## Data Sheet

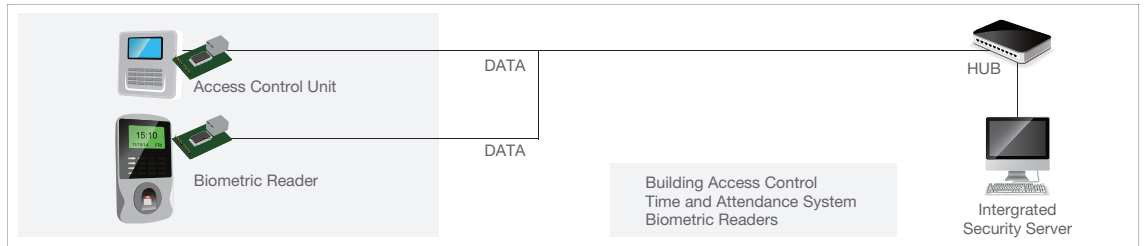# EZL-70(A) | Embedded Serial to Ethernet Converter)

Overview

EZL-70(A) is a board for manufacturers who want to quickly and easily embed Ethernet connectivity in their products. This compact board helps your devices get network connectivity with just serial connection. Applying this board, not only you can reduce cost and risk, but also you can shorten development time to add the network capability. Because EZL-70(A) 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. Since EZL-70(A) has 4 types of serial communication (TTL, RS232, RS422 and RS485), it can be simply applied to various environments. Not only EZL-70(A) performs like EZL-70 in all the functions, but also has an advantage in power consumption.
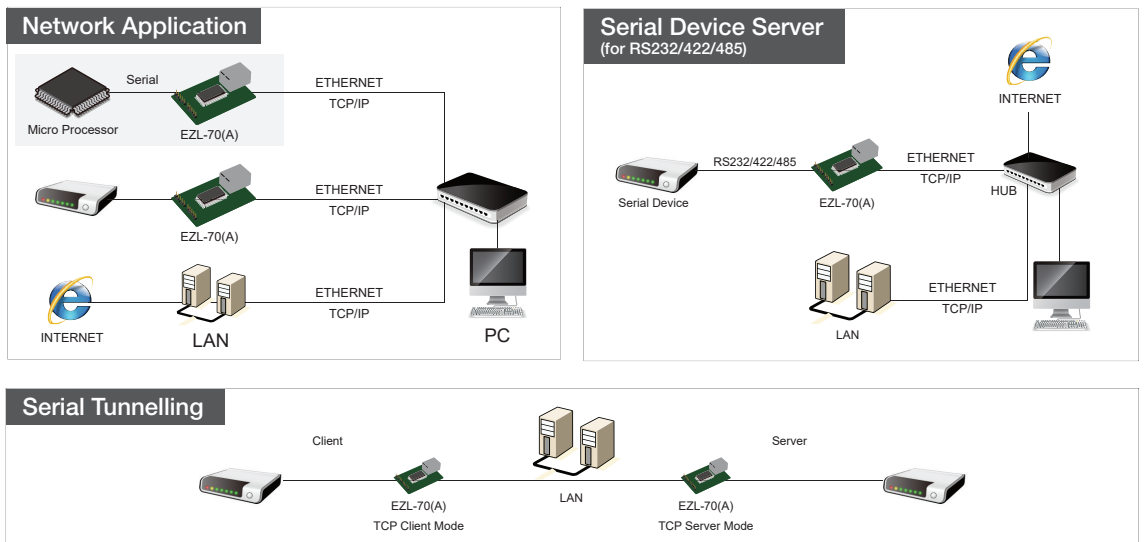
Features

- 1 x RS232/RS422/RS485
- Module type with a built-in RJ45 connector for Ethernet interface
- Compact module type (64.4mm x 40mm x 17mm)
- Flexible configuration and network communication by 'AT Commands' (patent)

Application

System Diagram

Specifications

Serial Physical Interface	
Serial Interface	5V level - RXD, TXD, RTS, CTS, GND
	RS232 - RXD, TXD, RTS, CTS, GND
	RS422 - TX+, TX-, RX+, RX-(full duplex), GND
	RX485 - TRX+, TRX-(half duplex), GND
Connector	1x6 2.54mm pitch pin header x 2
Serial Port Properties	
Data Rate	1,200bps ~ 115,200bps
Data Bits	5, 6, 7, 8 bits
Parity	None, Even, Odd, Mark, Space
Stop Bit	1, 2
Flow Control	RTS/CTS(Hardware), Xon/Xoff(Software)
Network Physical Interface	
Network Interface	10 Base-T Ethernet
Software Functions	
Protocols	TCP, UDP, IP, ICMP, ARP, Ethernet, TFTP, DHCP, PPPoE
Security	IP filtering
	Restrict host Password for Configuring
Communication Mode	TCP Server (T2S)
	TCP Client (COD)
	TCP Server/Client with AT command (ATC)
	UDP Mode (U2S)
Additional Functions	Sending MAC address Option
Indicators (LEDs)	
Power	Red
LAN Link/LAN RXD	Green
Status/LAN TXD	Yellow
Management	
ezConfig	Configuration and Monitoring Tool through Ethernet
AT Command	Configuring in ATC mode
Supplenetary Software	
ezConfig	Configuration Tool for Windows
ezConfig Library	The Library of ezConfig for VC++, VB, Java, and Linux
ezVSP	Serial to Network Virtual Driver for Windows
ezTerm	Simple TCP/IP Communication Test Tool
Dimension	
Size	59mm x 40mm x 17mm
Operating Environment	
Input Voltage	DC 5±0.25V
Current Consumption	59mA typical
Operating Temperature	0℃ ~ +55℃
Storage Temperature	-40℃ ~ +85℃