

Data Sheet

EZL-50M(A) | Embedded Serial Ethernet Convert



Overview

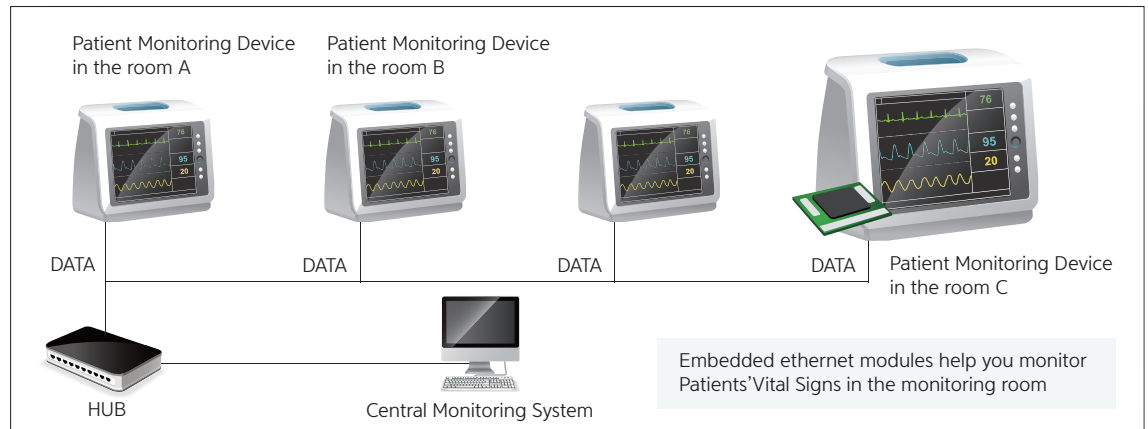
EZL-50M(A), one of the best seller of our company so far, is for manufacturers who want to easily and economically embed Ethernet connectivity in their products.

This compact module helps your devices get network connectivity with just serial connection. Applying this module, not only you can reduce cost and risk, but also you can shorten development time to add the network capability. Because EZL-50M(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-50M(A)'s UART port can be designed to interface with RS232, RS422 or RS485 systems, it is available on various environments. Not only EZL-50M(A) performs like EZL-50M in all the functions, but also has an advantage in power consumption.

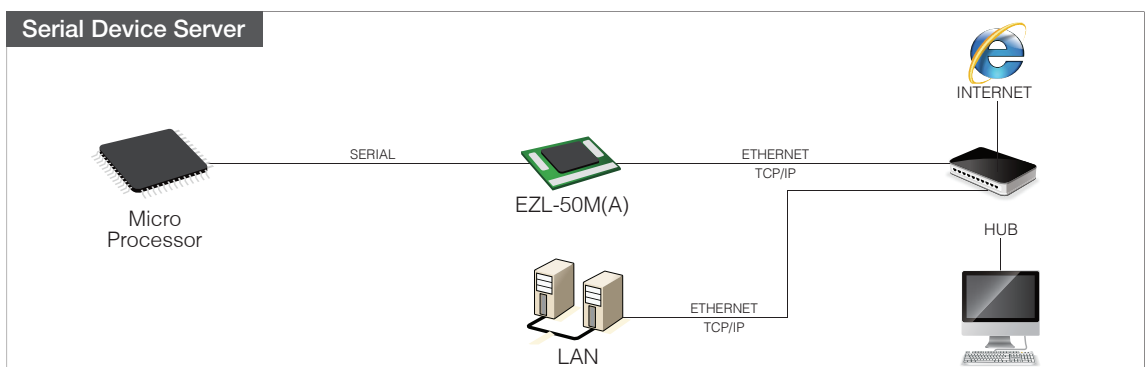
Features

- 1 x UART(5V level)
- Compact module type (50mm x 32mm x 11mm)
- Flexible configuration and network communication by 'AT Commands' (patent)

Application



System Diagram



Specifications

Serial Physical Interface	
Serial Interface	5V level-RXD, TXD, RTS(TXDE for RS485), CTS
Connector	1x12 2mm pitch male header x 2
Serial Port Properties	
Data Rate	1,200 bps ~115,200 bps
Data Bits	7, 8 bits
Parity	None, Even, Odd, Mark, Space
Stop Bit	1 bit
Flow Control	RTS/CTS Hardware, Xon/Xoff Software
Network Physical Interface	
Network Interface	10Base-T Ethernet Additional circuit required
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)	
Protocols	Active Low
Ethernet Link	Active Low
Ethernet RXD	Active High
Ethernet TXD	Active High
Management	
ezConfig	Configuration and Monitoring Tool through Ethernet
AT Command	Configuring in ATC mode
Supplementary 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	50mm x 32mm x 11mm
Operating Environment	
Input Voltage	DC 5±0.25V
Current Consumption	55mA typical
Operating Temperature	0°C ~+55°C
Storage Temperature	-40°C ~ +85°C