Data Sheet

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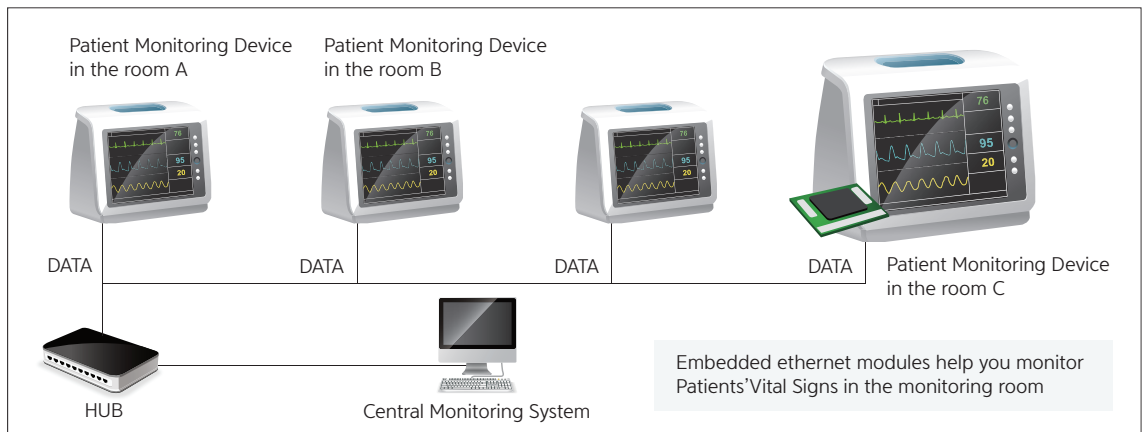
Overview

EZL-50M（A）是为了在以太网或因特网上可 以远程控制及管理串口设备而提供连接的嵌入式 串口 <-->以太网的转换器。将EZL-50M（A）连接到现有设备中，在不改变现有软件系统下可以方便的连接到网络。换句话说在TCP/IP 协议下传送数据时，自动处理数据，将没有TCP/IP技能的使用者设备轻松的连接到因特网中。不仅如此，由于连接到了因特网，故可以将现有的串口设备的通信距离进行扩张。EZL-50M（A）将TCP/IP技术最小化并应用到了 小体积硬件，故是低价普及TCP/IP的方式。
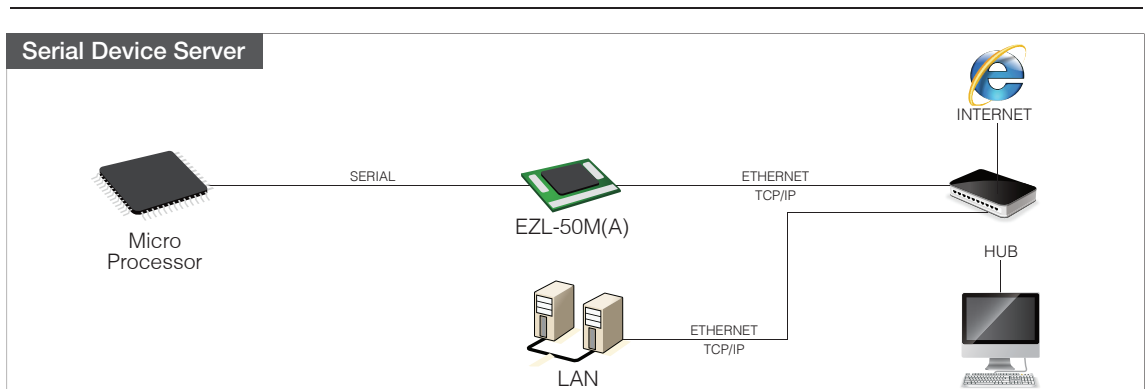EZL-50M（A）做为嵌入式模块产品应用在使用 者设备内部。
EZL-50M(A)在功能上等同于EZL-50M,但它是 低功耗产品。

Features

- 1 x UART(5V level)
- 小体积嵌入式模块(50mm x 32mm x 11mm)
- 利用AT命令而控制的通信技能及提供设定技能(专利)

Application

Patient Monitoring Device in the room A
Patient Monitoring Device in the room B
Patient Monitoring Device in the room C

DATA DATA DATA DATA

HUB
Central Monitoring System

Embedded ethernet modules help you monitor Patients'Vital Signs in the monitoring room

System Diagram

Serial Device Server

Micro Processor
SERIAL
EZL-50M(A)
ETHERNET TCP/IP
INTERNET
HUB
LAN
ETHERNET TCP/IP

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℃ ~+55℃
Storage Temperature	-40℃ ~ +85℃