

Data Sheet

EZL-50L(A) | Embedded Serial to Ethernet Converter



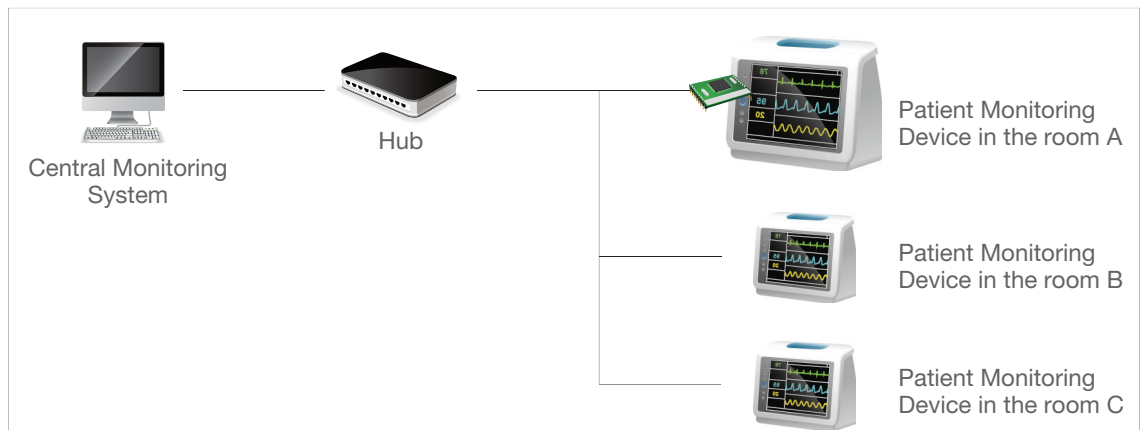
Overview

EZL-50L (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-50L (A) 连接到现有设备中, 在不 改变现有软件系统下可以方便连接到网络。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-50L (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-50L (A) 做为嵌入式模块产品应用 在使用者设备内部。EZL-50L (A) 做为现 有EZL-50R的廉价型产品, 根据下单数量不同, 可以以MCU(ATMega64L)形态提供。EZL-50L(A)在功能上等同于EZL-50L, 但它 是低功耗产品。

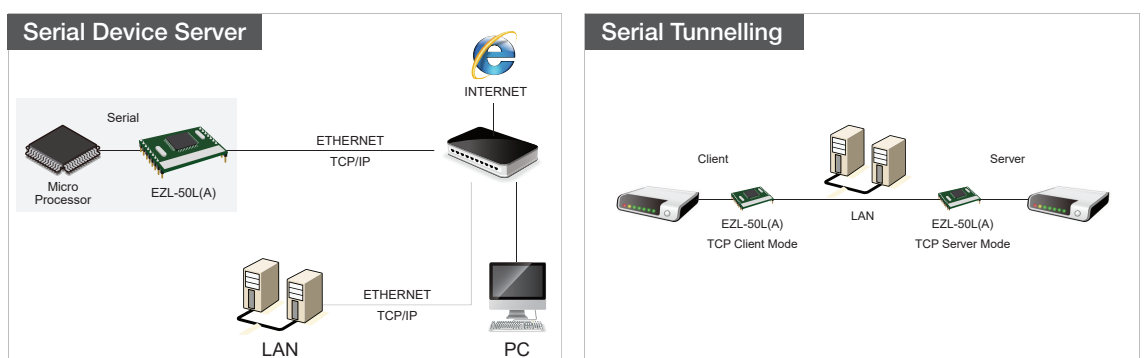
Features

- 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



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	
Baudrate	1,200bps ~ 115,200bps
Data Bits	7, 8 bits
Parity	None, Even, Odd, Mark, Space
Stop Bit	1
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	Configuring 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	49mA typical
Operating Temperature	0℃ ~ +55℃
Storage Temperature	-40℃ ~ +85℃