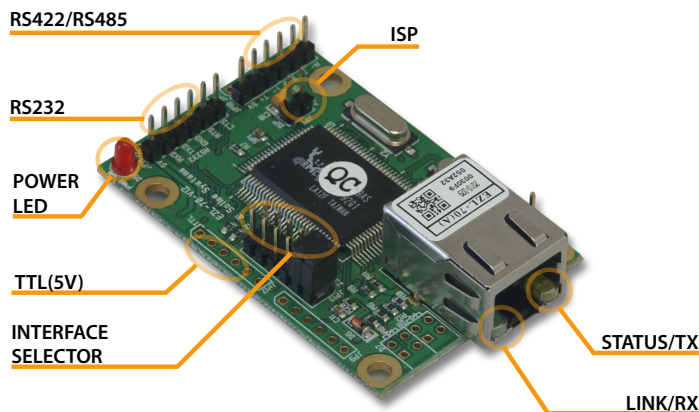


EZL-70

(Embedded Serial Ethernet Converter)



Overview

EZL-70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-70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。

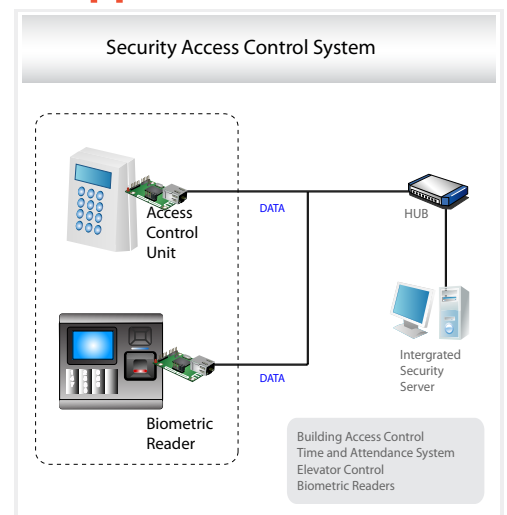
EZL-70将TCP/IP技术最小化并应用到了小体积硬件，故是低价普及TCP/IP的方式。

在EZL-70里不仅有 RJ-45内置在里面；还支持5V-TTL, RS232, RS422, RS485串口接口，应用在使用者产品的内部。

Highlights

- 在因特网或网络环境远程监测、管理和控制
- 10Base-T or 100Base-TX 以太网(自动检测)
- 最大115, 200bps的UART (5V-TTL), 支援RS232/422/485
- RJ-45内置连接器
- 适于嵌入使用的小型产品, 64.4mm x 40mm x 17mm
- 安全功能(IP filtering, Password)
- 支援DHCP, PPPoE (可以在流动IP环境下使用)
- 支援多样化的HOST连接模式 (TCP 服务器, TCP客户端, UDP)
- 利用AT命令而控制的通信技能及提供设定功能(专利)
- 提供使用简单的远程设定实用程序(ezConfig)
- 无偿提供用于PC 用串口<->TCP/IP的虚拟系统(ezVSP)
- 提供通过以太网端口固件升级的功能
- 遵守欧洲环境法规RoHS的环保产品

Applications



Specifications

*Serial Interface

RS232-RXD, TXD, RTS, CTS
5V-TTL UART - RXD, TXD, RTS, CTS
RS422 - TX+, TX-, RX+, RX- (full duplex)
RS485 - TRX+, TRX- (half duplex)
Interface type selection: by a jumper

Connector

2.54mm pitch header

*Serial Port Property

Data Rate

1200 bps ~ 115200 bps

Data Bits

5, 6, 7, 8 bits

Parity

None, Even, Odd, Mark, Space

Stop Bit

1 or 2

Flow Control

RTS/CTS Hardware (RS232, 5V-TTL)
Xon/Xoff Software

* Network Physical Interface Ethernet

RJ45
10Base-T

* 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

* Processors

CPU

Atmel AVR

ROM

64K bytes Flash Memory

RAM

4K bytes SRAM

* 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

hotflash

Firmware Upgrade Utility for Windows

* Dimension

Size

60mm x 40mm x 17mm

Body Netweight

about 20g

* Operating Environment

Input Voltage

DC 5±0.25V

Power Consumption

64mA typical

Operating Temperature

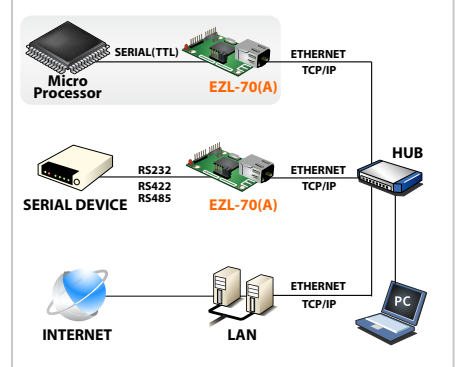
0 °C ~ 55 °C

Storage Temperature

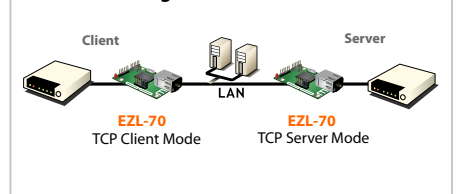
-40 °C ~ 85 °C

System Diagram

Network Application



Serial Tunnelling



Serial Device Server (for RS232/422/485)

