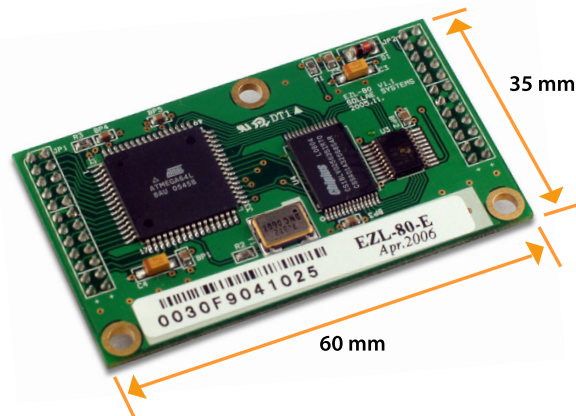
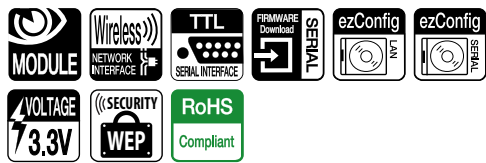


EZL-80

(Embedded Serial Wireless LAN Converter)



Overview

EZL-80 是为了在无线局域网下，为了远程控制及管理串口设备而提供连接的嵌入式串口 <-> 无线局域网的转换器。

将 EZL-80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。

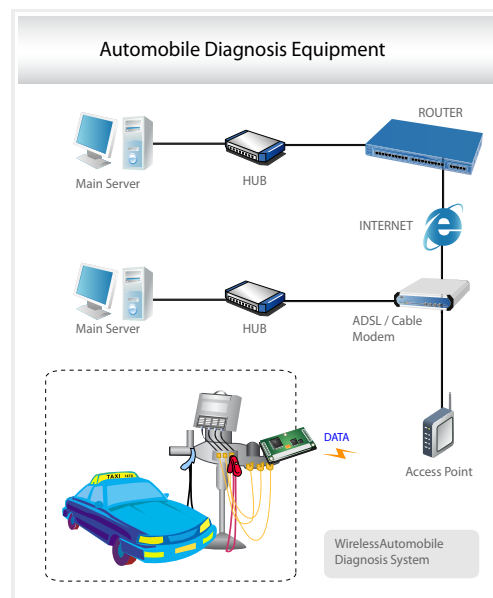
不仅如此，由于连接到了因特网，故可以将现有的串口设备的通信距离进行扩张。

EZL_80做为小型/模块型产品，CF无线网卡及16bit PC卡在插入状态下才能应用。

Highlights

- 将现有的设备连接到无线 (IEEE802.11b) 局域网
- 无线局域网为以BUS接口形态 (可使用PCMCIA 或是 CF无线网卡)
- 1个UART端口
- (3.3V-TTL , 最高支援115,200bps, 可以扩张为RS232/422/485)
- 支援 Infrastructure, Ad-hoc 无线网络结构
- 小体积模块型产品, 60mm x 35mm
- 保安技能 (IP filtering, Password)
- 支持 DHCP (适用于流动IP环境)
- 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技能 (专利)
- 提供使用简单的远程设定实用程序 (ezConfig, ezSerialConfig)
- 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技能
- 遵守欧洲环境法规RoHS的环保产品

Applications



Specifications

*Serial Physical Interface

Serial Interface

3.3V TTL UART - RXD, TXD, RTS, CTS

Connector

2mm pitch header

*Serial Port Property

Baudrate

1200 bps ~ 115200 bps

Data Bits

7, 8 bits

Parity

None, Even, Odd

Stop Bit

1 bit

Flow Control

RTS/CTS Hardware, Xon/Xoff Software

* Network Physical Interface

Wireless LAN

Bus Interface

(User has to interface 16bit PC Card Socket)
Intersil PRISM compliant chipset card support
IEEE802.11b, infrastructure/adhoc, WEP

* Software Functions

Protocols

TCP, UDP, IP, ICMP, ARP, DHCP

Security

WEP

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)

* Indicators(LEDs)

Status, wireless LAN Link,

wireless LAN RXD, wireless LAN TXD

* Processors

CPU

Atmel AVR

ROM

64K bytes Flash Memory

RAM

4K bytes SRAM

* Management

ezConfig

Configuration and Monitoring Tool through wireless LAN

ezSerialConfig

Configuration Tool through serial

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

wflash

Firmware Upgrade Utility for Windows

* Dimension

Size

60mm x 35mm

Body Netweight

about 10g

* Operating Environment

Input Voltage

DC 3.3V

Power Consumption

10mA typical

(except wireless LAN Card)

Operating Temperature

0 °C ~ 55 °C

Storage Temperature

-40 °C ~ 85 °C

System Diagram

