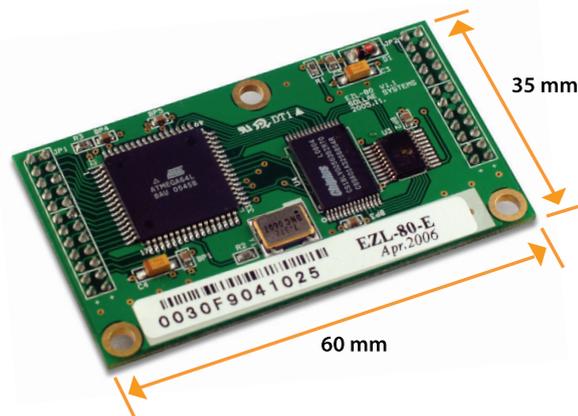


EZL-80

(Embedded Serial Wireless LAN Converter)



Overview

EZL-80 is a wireless networking module for who want to easily and economically embed wireless network connectivity in their products.

This compact module helps your system add wireless 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.

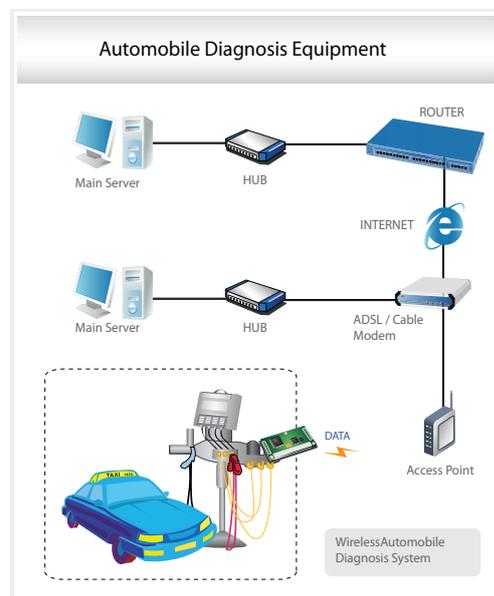
Because EZL-80 allows to extend the distance of your serial communication system, you are able to remotely control and monitor the serial devices over the Internet anywhere you are.

Along with all the available wireless LAN cards, EZL-80 had been discontinued.

Highlights

- RS232 to Wireless LAN Converter
- Compact size : 60mm x 35mm
- IEEE 802.11 b
- BUS interface for a CF or PCMCIA Wireless LAN card
- Infrastrucre and Ad-hoc network
- 1 x UART (3.3V-TTL, up to 115,200bps) available on RS232/RS422/RS485 extension
- Access Restriction : IP filtering, Password
- WLAN Security protocol : WEP
- DHCP and PPPoE
- Flexible configuration and network communication by 'AT Commands' (patent)
- 4 Communication modes (TCP server, TCP client, AT Command and UDP)
- Firmware upgrade through Serial
- Powerful configuration software for Windows OS (ezConfig, ezSerialConfig)
- Virtual COM Port Redirector for Windows OS (ezVSP)
- Environmentally-friendly RoHS compliant

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

