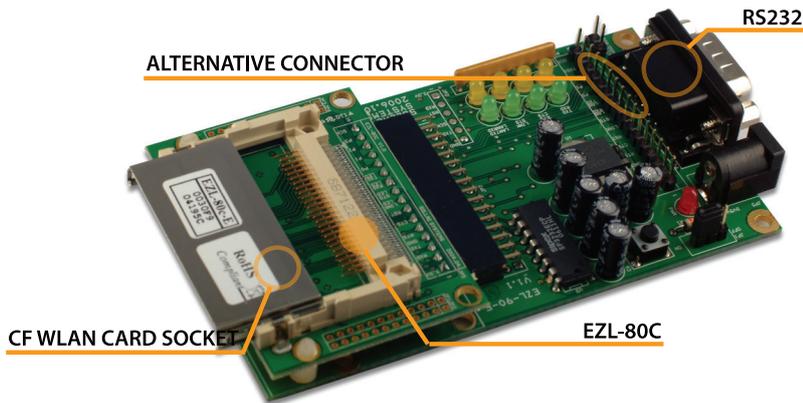


# EZL-90

## (Board-type Serial Wireless LAN Converter)



### Overview

EZL-90 is a wireless networking board for who want to easily and economically embed wireless network connectivity in their products.

This compact board helps your system add wireless network connectivity with just serial connection.

Applying this board, not only you can reduce cost and risk, but also you can shorten development time to add the network capability.

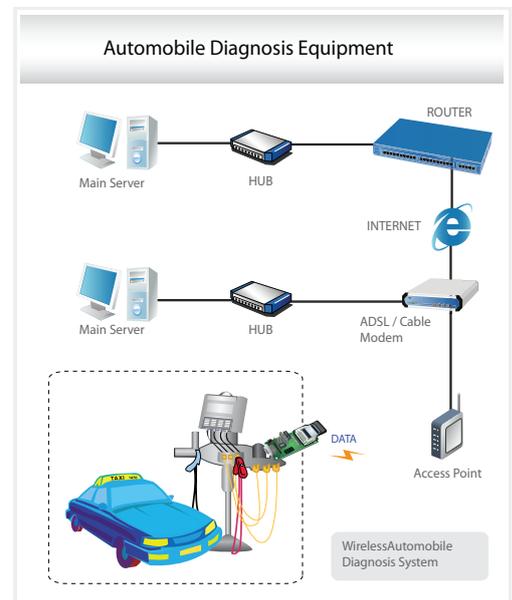
Because EZL-90 allows to extend the distance of your serial communication system, you are able to remotely control and monitor the serial devices over the Internet anywhere you are.

Along with all the available wireless LAN cards, EZL-90 had been discontinued.

### Highlights

- RS232 to Wireless LAN Converter
- Board type with a CF socket : 60mm x 56mm x 10mm
- IEEE 802.11 b
- CF socket for Wireless LAN card
- Infrastrucure and Ad-hoc network
- 1 x RS232 (D-SUB 9pin Male, up to 115,200bps)
- 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

RS232 - RXD, TXD, RTS, CTS  
±15KV ESD Protection

#### Connector

DB9M DTE Connector

### \*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

CF 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)

#### Power

Red

#### Status

Yellow, The current status

#### wireless LAN

Link, RXD, TXD

#### Serial

RXD, TXD, RTS, CTS

### \* Processors

#### CPU

Atmel AVR

#### ROM

64K bytes Flash Memory

#### RAM

4K bits SDRAM

### \* 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 123mm x 21mm

#### Body Netweight

about 60g

### \* Operating Environment

#### Input Voltage

DC 5±0.5V

#### Power Consumption

MAX250mA  
(It depends on CF card)

#### Operating Temperature

0 °C ~ 55 °C

#### Storage Temperature

-40 °C ~ 85 °C

## System Diagram

