# EZL-300L
## (Secure Serial Wireless Converter)

EXTERNAL | Wireless NETWORK INTERFACE | RS232-C SERIAL INTERFACE | ezConfig SERIAL | ezConfig LAN | FIRMWARE Download SERIAL | VOLTAGE 5V

RS232

LED
(LINK/STATUS/RX/TX/POWER)

PCMCIA Wireless LAN Card (IEEE802.11b)

CE  MIC

## Overview

EZL-300L is a wireless networking product for who want to easily and economically embed wireless network connectivity in their system.

This product helps your system add wireless network connectivity with just serial connection. Applying this product, not only you can reduce cost and risk, but also you can shorten development time to add the network capability.
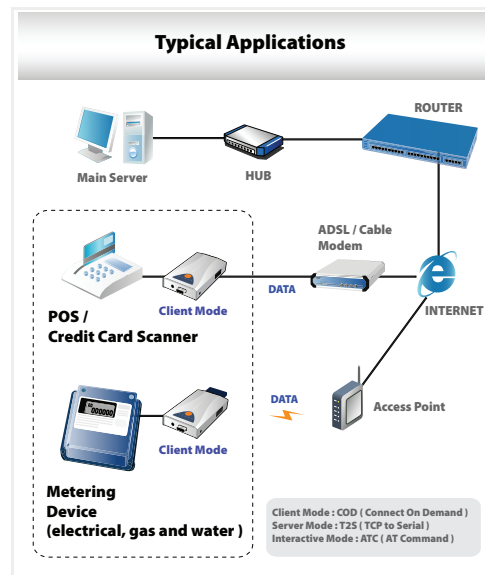
Because EZL-300L allows to extend the distance of your serial communication system, you are able to remotely control and monitor the serial devices over the Internet anywhere you are.

Since EZL-300L had been discontinued, CSW-H80 has been continuously replaceing it.

## Highlights

- RS232 to Wireless LAN Converter
- IEEE 802.11 b
- PCMCIA Wireless LAN card interface
- Infrastrucre and Ad-hoc network
- 1 x RS232 (D-SUB 9pin Male, up to 115,200bps)
- Access Restriction : IP filtering, Password
- 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

### Typical Applications

Main Server | HUB | ROUTER

ADSL / Cable Modem

INTERNET

POS / Credit Card Scanner — Client Mode — DATA

Access Point

Metering Device (electrical, gas and water) — Client Mode — DATA

Client Mode : COD ( Connect On Demand )
Server Mode : T2S ( TCP to Serial )
Interactive Mode : ATC ( AT Command )

# Specifications

## *Serial Physical Interface

**Serial Interface**
RS232 - RXD, TXD, RTS, CTS, DTR,
±15KV ESD Protection

**Connector**
DB9M DTE Connector

## *Serial Port Property

**Data Rate**
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**
16 bit PC Card Socket
Intersil PRISM compliant chipset card support
IEEE802.11b, infrastructure/adhoc, WEP

## * Software Functions

**Protocols**
TCP, UDP, IP, ICMP, ARP, DHCP,

**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)

## * Indicators(LEDs)

**Power**
Red

**Status**
Yellow, The current status

**wireless LAN Link**
Green

**wireless LAN RXD**
Yellow

**wireless LAN TXD**
Green

## * 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**
136mm x 78mm x 28mm

**Body Netweight**
about 140g

## * Operating Environment

**Input Voltage**
DC 5±0.5V

**Power Consumption**
320mA typical

**Operating Temperature**
0 ℃ ～ 55℃

**Storage Temperature**
-40 ℃ ～ 85℃

## * Approvals

**CE**
F690501/LF-EMC001190

**MIC**
E-E013-05-3000 (A)

## * Emissions

EN55022:1998/A1:2000/A2:2003 (Class A)
EN61000-3-2:2000
EN61000-3-3:1995/A1:2001
EN55024:1998/A1:2001/A2:2003

## * Immunity

EN61000-4-2:1995/A1:1998/A2:2000
EN61000-4-3:1995/A1:1998/A2:2000
EN61000-4-4:1995/A1:2001/A2:2001
EN61000-4-5:1995/A1:2001
EN61000-4-6:1996/A1:2000
EN61000-4-11:1994/A1:2000

# System Diagram