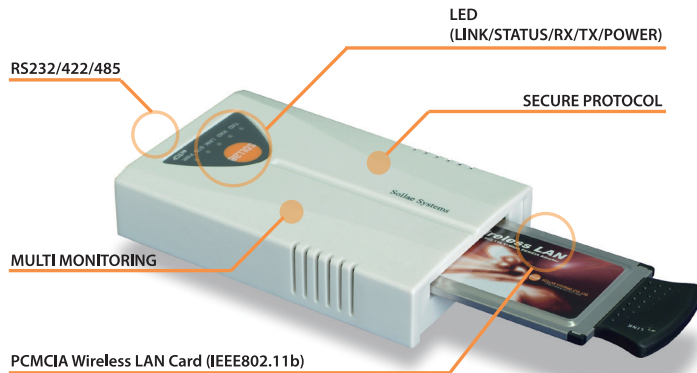


EZL-300S

(Secure Serial Wireless Converter)



Overview

EZL-300S is a wireless LAN converter for serial devices.

This product helps your system add 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.

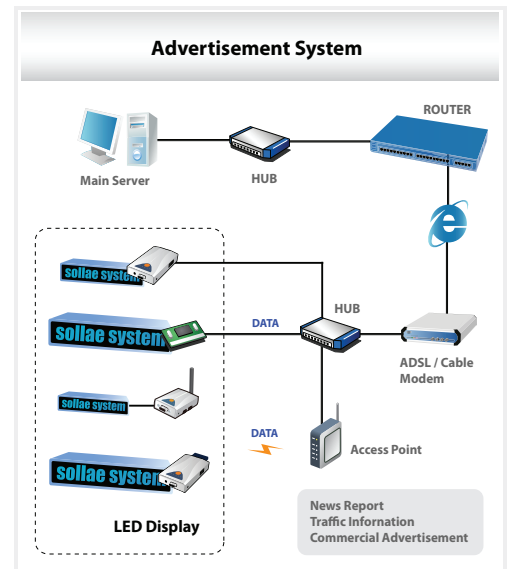
Because EZL-300S allows to extend the distance of your serial communication system, you are able to remotely control and monitor the serial devices over the Internet anywhere you are.

Since EZL-300S is designed to be connected with Wireless LAN, it can provide mobility to your system.

Highlights

- Serial to Wireless LAN Converter
- IEEE 802.11 b (with PCMCIA Wireless LAN card interface)
- Infrastrucre and Ad-hoc network
- 1 x RS232/422/485(up to 115,200bps, DB9-M interface)
- Multi-Connection (Maximum 8 channels)
- Access Restriction : IP filtering, Password
- Security Protocols : SSL3.0/TLS1.0, SSH2.0
- EAP-MD5
- Telnet COM Port Control Option (RFC 2217)
- SLIP (functions as a simple router)
- Flexible configuration and network communication by 'AT Commands' (patent)
- 4 Communication modes (TCP server, TCP client, AT Command and UDP)
- DHCP and PPPoE
- Firmware upgrade through Network
- Powerful configuration software for Windows OS (ezConfig, ezSerialConfig)
- Virtual COM Port Redirector for Windows OS (ezVSP)
- Environmentally-friendly RoHS compliant

Applications



Specifications

* Serial Interface

RS232 - RXD, TXD, RTS, CTS, DTR, DSR, RI, DCD

RS422 - RX+, RX-, TX+, TX-

RS485 - TRX+, TRX-

Interface Type is selectable by Software
±15KV ESD Protection

Connector

DB9M DTE Connector

* Serial Port Property

Data Rate

600 bps ~ 115200 bps

Data Bits

5, 6, 7, 8 bits

Parity

None, Even, Odd

Stop Bit

1 or 2

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, TELNET, IEEE802.11b
TFTP, DHCP, EAP, SLIP, SSL3.0/TLS1.0, SSH

Security

SSL (Secure Socket Layer)

SSH (Secure Shell)

IP filtering - Restrict host or network

Password for Configuring

Communication Mode

TCP server (T2S)

TCP client (COD)

TCP server/client with AT command (ATC)

UDP mode (U2S)

Additional Functions

Multi Monitoring - maximum 8 hosts (T2S Mode)

Telnet COM Port Control Option (RFC2217 Compliant)

Simple Gateway Function (Connecting two Ethernet networks)

Operating System

MIC RTOS

* Indicators(LEDs)

Power

Red

Status

Yellow, The current status

wireless LAN Link

Green

wireless LAN RXD

Yellow

wireless LAN TXD

Green

* Processors

CPU

ARM7 Core

ROM

256K bits Flash Memory

RAM

2M bits SDRAM

* Management

ezConfig

Configuration and Monitoring Tool through Ethernet

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

hotflash

Firmware Upgrade Utility for Windows

* Dimension

Size

136mm x 83mm x 29mm

Body Netweight

about 140g (except wireless LAN card)

* Operating Environment

Input Voltage

DC 5±0.5V

Power Consumption

320mA typical

Operating Temperature

0 °C ~ 55 °C

Storage Temperature

-40 °C ~ 85 °C

* Approvals

CE

F690501/LF-EMC001106

FCC

E-E013-05-3593 (A)

MIC

FCC Part 15, Subpart B, Class 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

IEC61000-4-2:1995/A1:1998/A2:2000

IEC61000-4-3:1995/A1:1998/A2:2000

IEC61000-4-4:1995/A1:2000/A2:2001

IEC61000-4-5:1995/A1:2000

IEC61000-4-6:1996/A1:2000

IEC61000-4-11:1994/A1:2000

System Diagram

