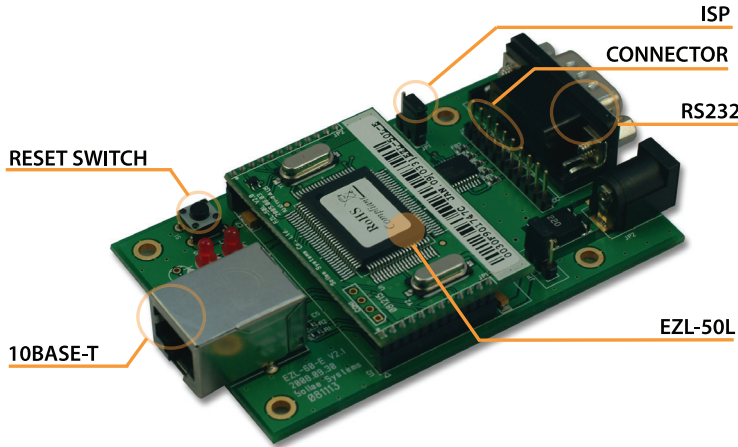


EZL-60L

(Embedded Serial Ethernet Converter)



Overview

EZL-60L is a board for manufacturers who want to simply and easily embed Ethernet connectivity in their products.

This board helps your devices get 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.

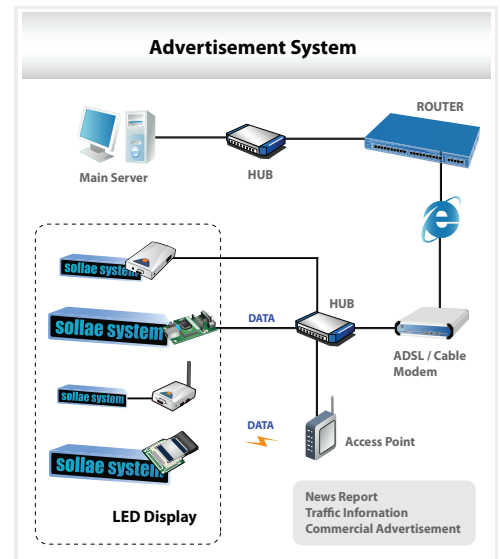
Because EZL-60L allows to extend the distance of your serial communication system, you are able to remotely control and monitor the serial devices over the Internet anywhere you are.

Since EZL-60L has a D-SUB interface, it is easily applied to RS232 communication environments.

Highlights

- RS232 to Ethernet Converter
- Board type (EZL-50L mounted) with a RJ45 and D-SUB connector
- Compact size: 100mm x 55mm x 21mm
- 10Base-T Ethernet
- 1 x RS232 (up to 115,200bps, DB9-M interface)
- Access Restriction : IP filtering, Password
- 4 Communication modes (TCP server, TCP client, AT Command and UDP)
- DHCP and PPPoE
- Flexible configuration and network communication by 'AT Commands' (patent)
- Powerful configuration software for Windows OS (ezConfig)
- Virtual COM Port Redirector for Windows OS (ezVSP)
- Firmware upgrade through Network
- Environmentally-friendly RoHS compliant

Applications



Specifications

*Serial Physical Interface

Serial Interface

RS232-RXD, TXD, RTS, CTS, DTR-DSR loop-backed

Connector

DB9M DTE Connector

*Serial Port Property

Data Rate

1200 bps ~ 115200 bps

Data Bits

7, 8 bits

Parity

None, Even, Odd, Mark, Space

Stop Bit

1 bit

Flow Control

RTS/CTS Hardware, Xon/Xoff Software

* Network Physical Interface

Network Interface

RJ45 (10Base-T)

1500 VAC Isolation

* Software Functions

Protocols

TCP, UDP, IP, ICMP, ARP, Ethernet, TFTP, DHCP, PPPoE

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)

Additional Functions

Sending MAC address Option

* Indicators(LEDs)

Status

Red, The current status

Ethernet Link

Red

Ethernet RXD

Yellow

Ethernet TXD

Green

* Processors

CPU

Atmel AVR

ROM

64K bytes Flash Memory

RAM

4K bytes SRAM

* Management

ezConfig

Configuration and Monitoring Tool through Ethernet

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

100mm x 55mm x 21mm

Body Netweight

about 46g

* Operating Environment

Input Voltage

DC 5±0.25V

Power Consumption

55mA typical

Operating Temperature

0 °C ~ 55 °C

Storage Temperature

-40 °C ~ 85 °C

System Diagram

