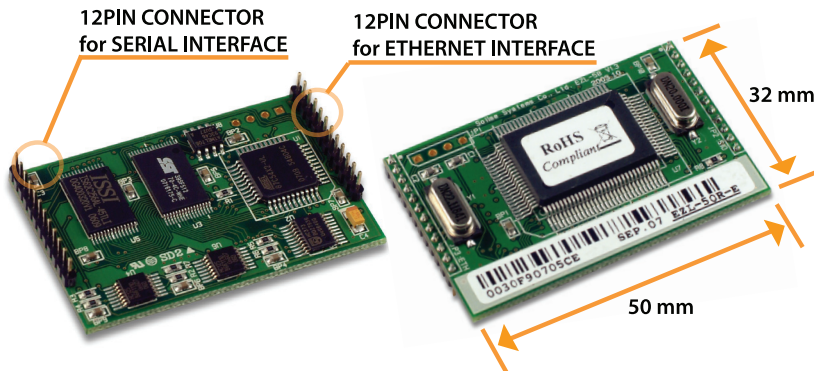


EZL-50R

(Embedded Serial Ethernet Converter)



Overview

EZL-50R is for manufacturers who want to easily and economically embed Ethernet connectivity in their products.

This compact module helps your devices get 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.

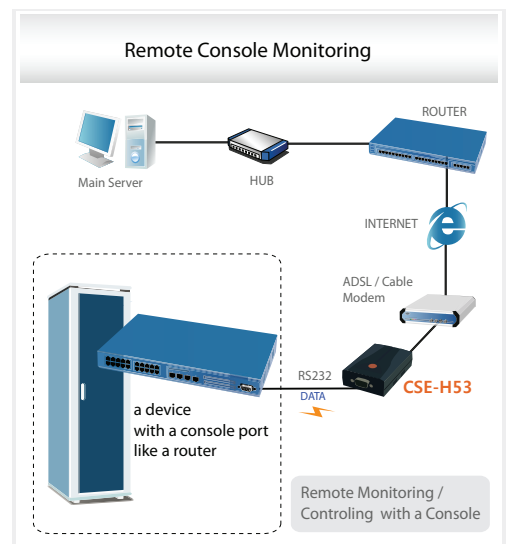
Because EZL-50R allows to extend the distance of your serial communication system, you are able to remotely control and monitor the serial devices over the Internet anywhere you are.

Since EZL-50R had been discontinued, EZL-50M has been continuously replacing it.

Highlights

- Remote Monitor and Control serial devices
- 10Base-T Ethernet
- UART x 1 (5V-TTL), up to 230,400bps, available RS232/RS422/RS485 extension
- Very compact size, 50mm x 32mm x 11mm
- Security function : IP filtering, Password
- Supports DHCP and PPPoE for xDSL and cable network
- Flexible configuration and network communication by 'AT Commands' (patent)
- Supports communication with variety of TCP/UDP hosts(TCP Server/Client, UDP)
- Easy configuration utility via network for Windows OS (ezConfig)
- Virtual COM Port Redirector 'ezVSP' for Windows OS(provided free of charge)
- Firmware is upgradable through network
- Environmentally-friendly RoHS compliant

Applications



Specifications

* Serial Physical Interface

Serial Interface

5V TTL UART-RXD, TXD, RTS, CTS

Connector

1x12 2mm pitch male header

* Serial Port Property

Data Rate

1200 bps ~ 230400P 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

Network Interface

1x12 2mm pitch male header (10Base-T)

Additional circuit required

* 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)

* Indicators(LEDs)

Status

Active Low

Ethernet Link

Active Low

Ethernet RXD

Active High

Ethernet TXD

Active High

* Processors

CPU

8051 clone

ROM

64K bytes Flash Memory

RAM

32K 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

50mm x 32mm x 11mm

Body Netweight

about 10g

* Operating Environment

Input Voltage

DC 5±0.25V

Operating Temperature

0 °C ~ 55 °C

Storage Temperature

-40 °C ~ 85 °C

System Diagram

