

EZL-200L

(Serial Ethernet Converter)



Overview

EZL-200L是为了在以太网或因特网上可以远程控制及管理串口设备而提供连接的串口联网服务器。

EZL-200L连接到现有设备中，在不改变现有软件系统下可以方便的连接到网络。

换句话说在TCP/IP 协议下传送数据时，自动处理数据，将没有TCP/IP技能的使用者设备轻松连接到因特网中。

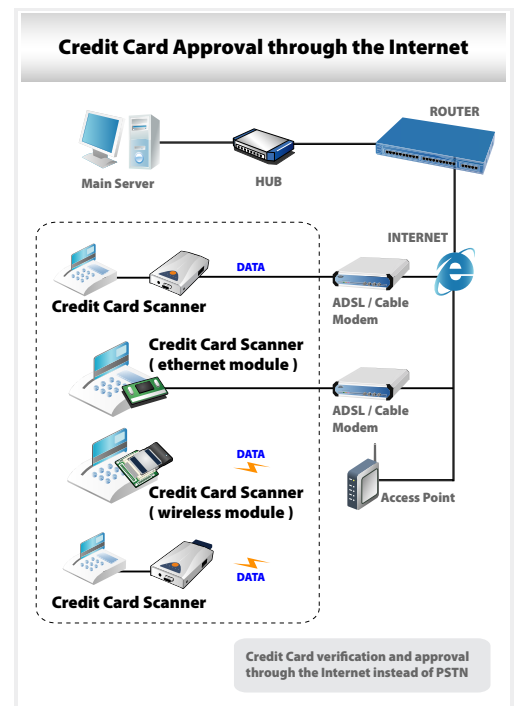
不仅如此，由于连接到了因特网，故可以将现有的串口设备的通信距离进行扩张。

EZL-200L将TCP/IP技术最小化并应用到了小体积硬件，故是低价普及TCP/IP的方式。

Highlights

- 在因特网或网络环境远程监视，管理和控制
- 10Base-T or 100Base-TX 以太网络(自动检测)
- 支援一个RS232串口(最大115,200bps, DB9-M 接口)
- 安全功能(IP filtering, Password)
- 支持 DHCP, PPPoE (适用于流动IP环境)
- 支持多样化的连接模式 (TCP服务器, TCP客户端 UDP)
- 利用AT命令而控制的通信技能及提供设定功能(专利)
- 提供使用简单的远程设定实用程序(ezConfig)
- 无偿提供用于PC用串口<->TCP/IP的虚拟系统(ezVSP)
- 提供通过以太网端口固件升级的功能
- 遵守欧洲环境法规RoHS的环保产品

Applications



Specifications

*Serial Physical Interface

Serial Interface

RS232-RXD, TXD, RTS, CTS, DTR-DSR loop-backed
±15KV ESD Protection

Connector

DB9M DTE Connector

*Serial Port Property

Baudrate

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)

Power

Red

Status

Yellow, The current status

Ethernet Link

Green

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 - Patent

* 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

* Operating Environment

Input Voltage

DC 5±0.25V

Power Consumption

78mA typical

Operating Temperature

0 °C ~ 55 °C

Storage Temperature

-40 °C ~ 85 °C

* Approvals

CE

F690501/SP-EMC000564

MIC

E-E013-05-2998(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/A1:2000/A2:2001

EN61000-4-5:1995/A1:2000

EN61000-4-6:1996/A1:2000

EN61000-4-11:1994/A1:2000

System Diagram

