EZL-200L
(Serial Ethernet Converter)

EXTERNAL | ETHERNET NETWORK INTERFACE | RS232-C SERIAL INTERFACE | ezConfig LAN | FIRMWARE Download | VOLTAGE 5V | ID entification MAC | RoHS Compliant

10 BASE-T

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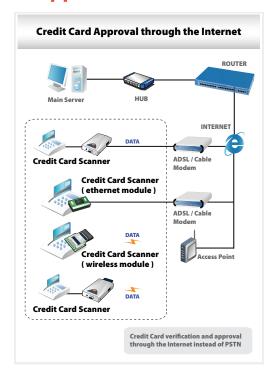(LINK/STATUS/RX/TX/POWER)

RS232

CE MIC

Overview

EZL-200L, one of the best seller of our company so far, is a product for manufacturers who want to easily and economically add Ethernet connectivity in their system.

This product helps your RS232 system get network connectivity with just serial connection at a reasonable price.

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-200L 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.

Highlights

- RS232 to Ethernet Converter
- 10Base-T Ethernet
- 1 x RS232 (D-SUB 9pin Male, up to 115.2Kbps)
- Access Restriction : IP filtering, Password
- 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)
- Virtual COM Port Redirector for Windows OS (ezVSP)
- Environmentally-friendly RoHS compliant

Applications

Credit Card Approval through the Internet

ROUTER

Main Server   HUB

INTERNET

Credit Card Scanner   DATA

Credit Card Scanner
(ethernet module)

ADSL / Cable Modem

Credit Card Scanner
(wireless module)   DATA

ADSL / Cable Modem

Credit Card Scanner   DATA

Access Point

Credit Card verification and approval
through the Internet instead of PSTN

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 ℃ ~ 55℃

Storage Temperature
-40 ℃ ~ 85℃

* 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

Serial Device Server

INTERNET
HUB
RS232
ETHERNET TCP/IP
SERIAL DEVICE
EZL-200L
ETHERNET TCP/IP
LAN

Serial Tunnelling

Client
Server
LAN
EZL-200L
TCP Client Mode
EZL-200L
TCP Server Mode

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