Data Sheet

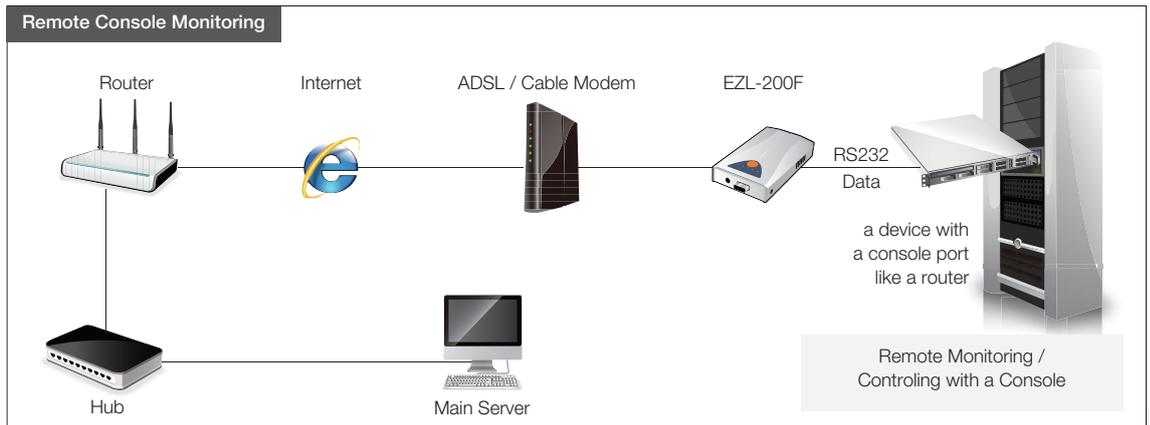# EZL-200F | Secure Serial Ethernet Converter

Overview

EZL-200F is a product for manufacturers who want to simply and easily add Ethernet connectivity in their system. This product helps your RS232/422/485 system get 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-200F 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. EZL-200F maintains strong popularity because of the high performance based on MIC RTOS, along with many attractive functions such as Multi Monitoring and SLIP.
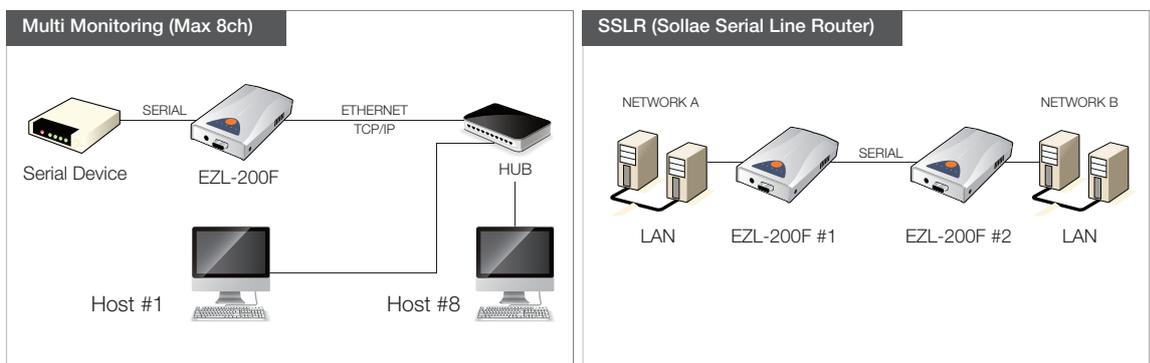
Features

- Ethernet 10Base-T or 100Base-TX (auto-sensing)
- 1 x RS232/422/485
- Multi-Monitoring (maximum 8 channels)
- Strong security (SSL3.0/TLS1.0, SSH2.0, IP filtering, password)
- Simple router function (SSLR)
- Supports DHCP and PPPoE
- 4 Communication modes (TCP server, TCP client, AT command and UDP)
- Flexible configuration and network communication by 'AT Commands' (patent)
- Telnet COM port control option (RFC 2217)
- Powerful configuration software for Windows OS (ezConfig)
- Virtual COM port (ezVSP) provided
- Firmware upgrade through Network and serial
- Environmentally-friendly RoHS compliant

Application

Remote Console Monitoring

Router — Internet — ADSL / Cable Modem — EZL-200F — RS232 Data — a device with a console port like a router

Hub — Main Server

Remote Monitoring / Controling with a Console

System Diagram

Multi Monitoring (Max 8ch)

Serial Device — EZL-200F — SERIAL — ETHERNET TCP/IP — HUB

Host #1 — Host #8

SSLR (Sollae Serial Line Router)

NETWORK A — LAN — EZL-200F #1 — SERIAL — EZL-200F #2 — LAN — NETWORK B

Specifications

Serial Physical Interface	
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 Properties	
Data Rate	1200 bps ~115200 bps
Data Bits	7, 8 bits
Parity	None, Even, Odd, Mark, Space
Stop Bit	1 or 2
Flow Control	RTS/CTS Hardware, Xon/Xoff Software

Network Physical Interface	
Network Interface	RJ45 (10Base-T/100Base-TX Ethernet)
	Ethernet Speed Auto Sense
	1:1 or Cross-over Cable Auto Sense
	1000 VAC Isolation

Software Functions	
Protocols	TCP, UDP, IP, ICMP, ARP, Ethernet, TELNET
	TFTP, DHCP, PPPoE, SLIP, SSL3.0/TLS1.0, SSH
Security	SSL (Secure Socket Layer)
	SSH (Secure Shell)
	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	Multi Monitoring - maximum 8 hosts (T2S Mode)
	Telnet COM Port Control Option (RFC2217 Compliant)
	Simple Gateway Function (SSLR)
	Sending MAC address Option
Operating System	MIC RTOS

Indicators (LEDs)	
Power	Red
Status	Yellow, The Current status
Ethernet Link	Red - 10M Ethernet, Green - 100M Ethernet
Ethernet RXD	Yellow
Ethernet TXD	Green

Processors	
CPU	ARM7 Core
ROM	256K bytes Flash Memory
RAM	2M bytes SDRAM

Management	
ezConfig	Configuration and Monitoring Tool through Ethernet
Telnet	Telnet Login
SSH	SSH Login
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

Operating Environment	
Input Voltage	DC 5±0.5V
Power Consumption	320mA typical
Operating Temperature	0℃ ~ 55℃
Storage Temperature	-40℃ ~ 85℃