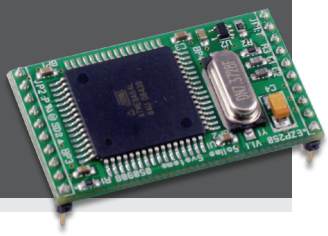
SOLLAE SYSTEMS

Data sheet

EZP-250(A) | Embedded Serial PPP Convert



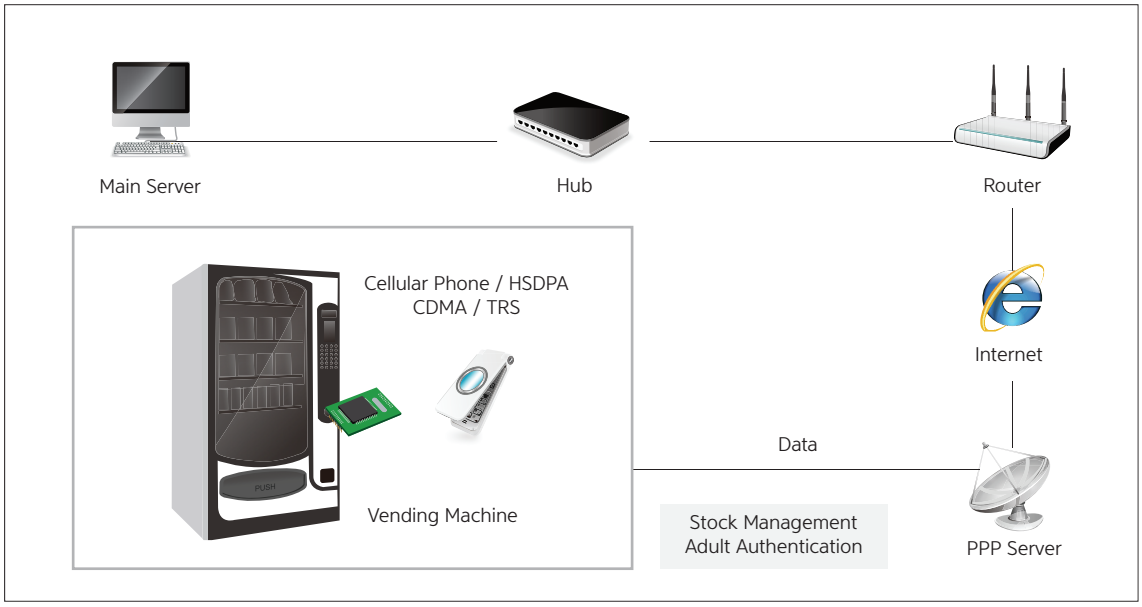
Overview

EZP-250(A) is a module for manufacturers who want to quickly and easily embed PPP connectivity in their products. This very compact module helps your devices get PPP connectivity with just serial connection through 2G, TRS or Dial-up network.
Applying this module, not only you can reduce cost and risk, but also you can shorten development time to add the network capability. Because EZP-250(A) 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 EZP-250(A) uses 2G wireless network, it is available throughout the world regardless of place.

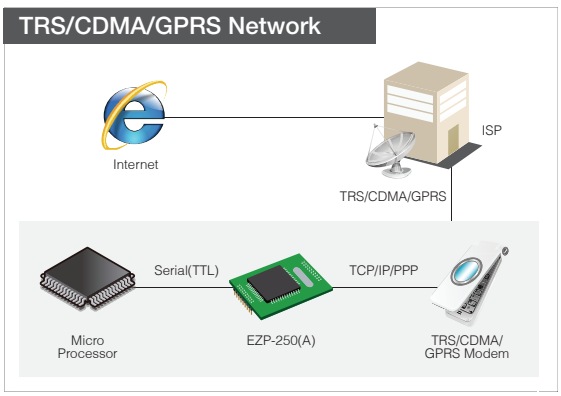
Features

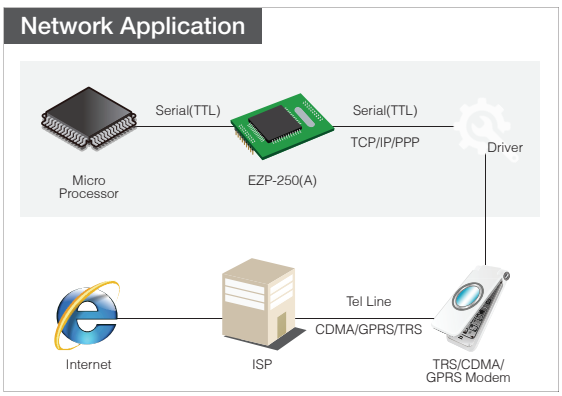
- Remote Monitoring and Controlling serial devices over PPP network
- 1 x UART (logic level) for DTE
- 1 x UART (logic level) for DCE
- Very compact size : 34mm x 20mm
- 2 Communication modes (TCP client and UDP)
- Dedicated commands to control EZP-250(A)

Application



System Diagram





Specifications

	Serial Physical Interface
Serial Interface	1 x UART, logic level - for DTE(Data Terminal Equipment)
	RXD, TXD, RTS, CTS, DTR, DSR, GND
Connector	2mm pitch male header
	Serial Port Properties
Baudrate	1200 bps ~230400 bps
Data Bits	8 bits
Parity	None
Stop Bit	1 bit
Flow Control	RTS/CTS Hardware (selectable by a command)
	Network Physical Interface
Network Interface	1 x UART, logic level - for DCE(Data Communication Equipment)
	PPP network
	Software Functions
Protocols	TCP, UDP, IP, ICMP, PPP
Security	PAP, CHAP
Communication Mode	TCP server
	TCP client
	UDP
	ICMP (ping)
	Processors
CPU	Atmel AVR
ROM	64K bytes Flash Memory
RAM	4K bytes SRAM
	Supplementary Software
ezTerm	Simple TCP/IP Communication Test Tool
pflash	Firmware Upgrade Utility for Windows
ezVSP	Serial to Network Virtual Driver for Windows
	Dimension
Size	34mm x 20mm
Body Netweight	about 4g
	Operating Environment
Input Voltage	DC 2.7V ~ 5.5V
Power Consumption	4mA (at 3.3V, idle state)
Operating Temperature	0℃ ~ 70℃
Storage Temperature	-40℃ ~ 85℃