

Data Sheet

CSE-M53N | Serial Ethernet Module



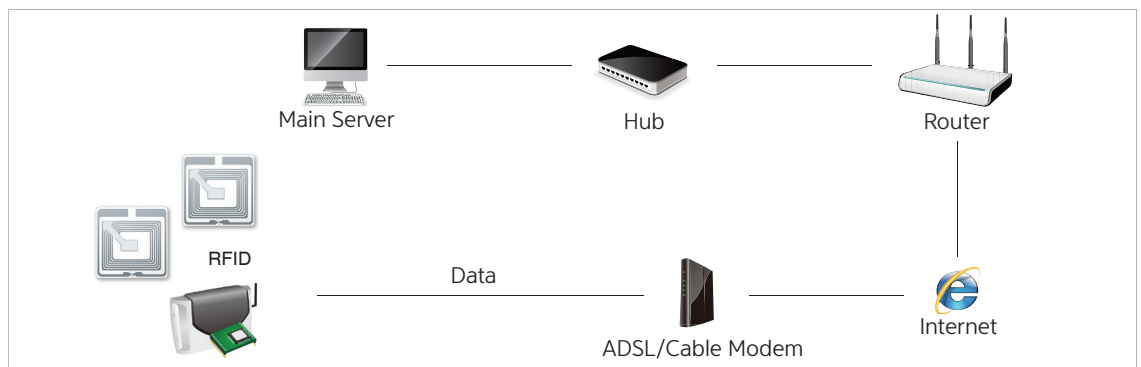
Overview

CSE-M53N是不仅支持IPv4，还是支持基于IPv6网络IPv6地址体制下的袖珍型嵌入式串行↔以太网的通信模块。CSE-M53N同 CSE-M53 Pin to Pin兼容，支持-40°C~+85°C的工业温度参数。不仅配置了强大的保安功能于数据包分割分隔符设定功能，还内置了DNS/DDNS, Telnet COM Port Control Option等功能，适用于多样的通信环境

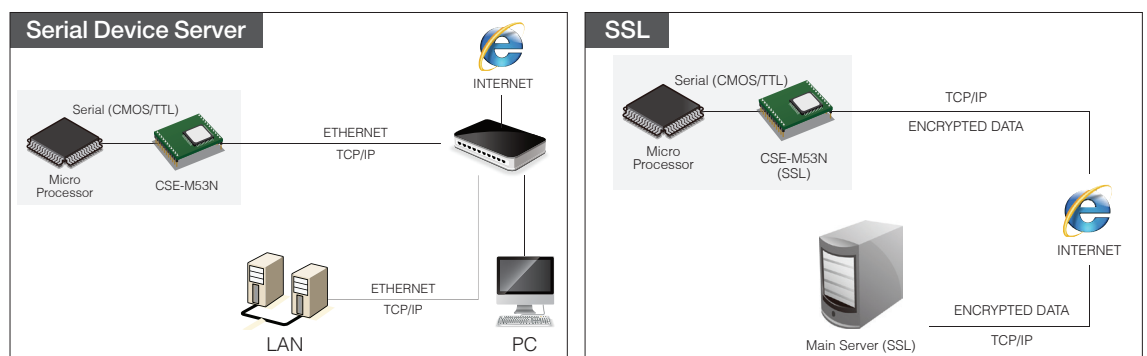
Features

- 1 x UART(3.3V level)
- 10/100Mbps Ethernet
- 超迷你模块型产品 (20mm x 24mm)
- 高速UART端口x 1 端口 (最高使用921.6Kbps-Xon/Xoff, RS485时230.4Kbps)
- 工业用温度规格(-40°C~+85°C)
- SSL保安通信功能
- 数据包分隔符设定功能
- 支持IPv6(IPv4 / IPv6双协议栈)
- 利用AT命令而控制的通信技能及提供设定技能(专利)

Applications



System Diagram



Specifications

Serial Physical Interface	
Serial Interface	3.3V level with 5V tolerant input RXD, TXD, RTS(TXDE for RS485), CTS, GND
Connector	1 X 10 2mm pitch pin header X 2
Serial Port Properties	
Baudrate	300bps ~ 921,600bps
Data Bits	8bits, 7bits with parity
Parity	None, Even, Odd, Mark, Space
Stop Bit	1, 1.5, 2
Network Physical Interface	
Network Interface	10Base-T/100Base-TX Ethernet(RJ45)
	Ethernet Speed Auto Sense
	1:1 or Cross-over Cable Auto Sense
	Simple External Circuit Required
Software Functions	
Protocols	IPv4/IPv6 dual stack, ICMPv6/TCPv6/UDPv6
	TCP, UDP, IP, ICMP, ARP, TELNET
	DHCP, PPPoE, DNS, DDNS
Security	SSL (Secure Socket Layer)
	IP & MAC filtering - Restrict host or network
	Password for Configuring
Communication Mode	TCP Server (T2S)
	TCP Client (COD)
	TCP Server/Client with AT command (ATC) - Patent
	UDP Mode (U2S)
Additional Functions	Separator settings for packet fragmentation
	TCP Server/Client Mode
	Sending MAC address Option
Indicators (LEDs)	
Status	The current status
DTR	TCP Connection Indicator
Management	
ezManager	Configuration and Monitoring Tool through Network and Serial
TELNET	Telnet Login
AT Command	Configuring in ATC mode - Patent
Supplementary Software	
ezManager	Configuration Tool for Windows
ezVSP	Serial to Network Virtual Driver for Windows
ezTerm	Simple TCP/IP Communication Test Tool
Dimension	
Size	20mm x 24mm x 9.1mm
Operating Environment	
Input Voltage	DC 3.3V
Current Consumption	150mA (100M Ethernet), 200mA (10M Ethernet)
Operating Temperature	-40℃ ~ +85℃
Storage Temperature	-40℃ ~ +85℃