

Data Sheet

CSE-M53G | Serial Ethernet Module



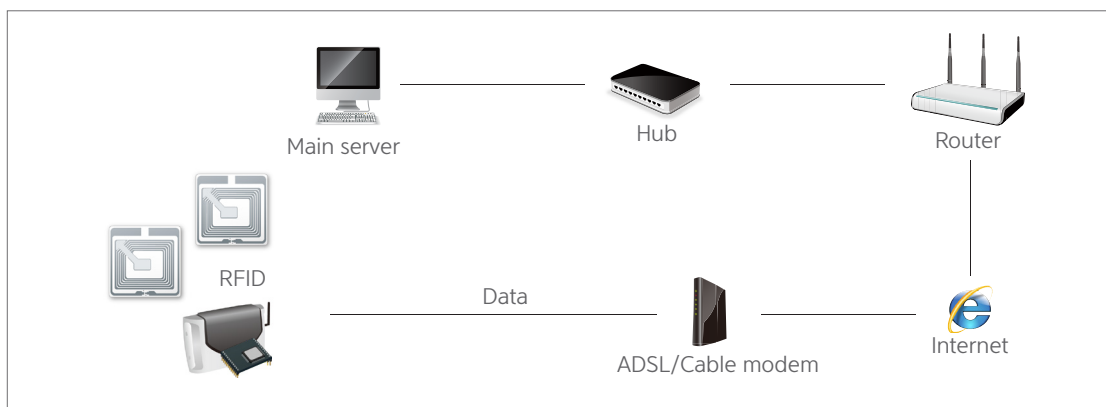
Overview

CSE-M53G是支持IPv4 / IPv6地址体制的袖珍型串行转以太网模块。
 此模块支持与CSE-M53及CSE-M53N的Pin to Pin兼容，故可替代上述两种模块使用。
 另外，具有DNS, 安保通信(TLS v1.2)及数据包分隔符设定等多种通信功能，支持
 -40°C ~ +85°C的工业用温度规格。

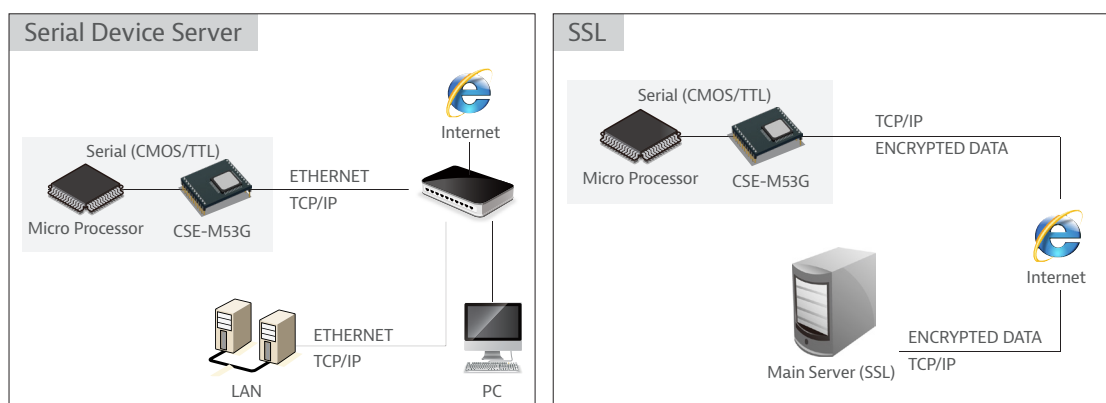
Features

- 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(在特定条件下最大 921.6Kbps)
- 工业用温度规格(-40°C ~ +85°C)
- 安保通信功能(TLS v1.2)
- 数据包分隔符设定功能
- 支持IPv(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

Application



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 Property	
Data RATE	300bps ~ 921,600bps
Data Bits	8bits, 7bits with parity
Parity	None, Even, Odd, Mark, Space
Stop Bit	1, 2 (* a single idle bit is automatically added to every stop bit by the MCU function)
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 Environments	
Input Voltage	DC 3.3V
Current Consumption	110mA(100M Ethernet), 150mA(10M Ethernet)
Operating Temperature	-40°C ~ +85°C
Storage Temperature	-40°C ~ +85°C