

CSE-M53

(Embedded Serial to Ethernet Converter)



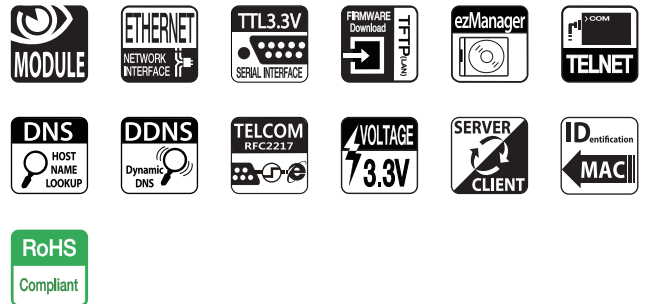
Overview

CSE-M53是内置型串行↔以太网转换模块。CSE-M53基于单芯片工作的同时大大缩小了产品大小。尽管它的体积小，但其内置了快速的串行通信速度(921,600 bps)与强大的调试功能。不仅如此，还支持DNS、DDNS、Telnet COM Port Control Option等功能可适应不同的通信环境。

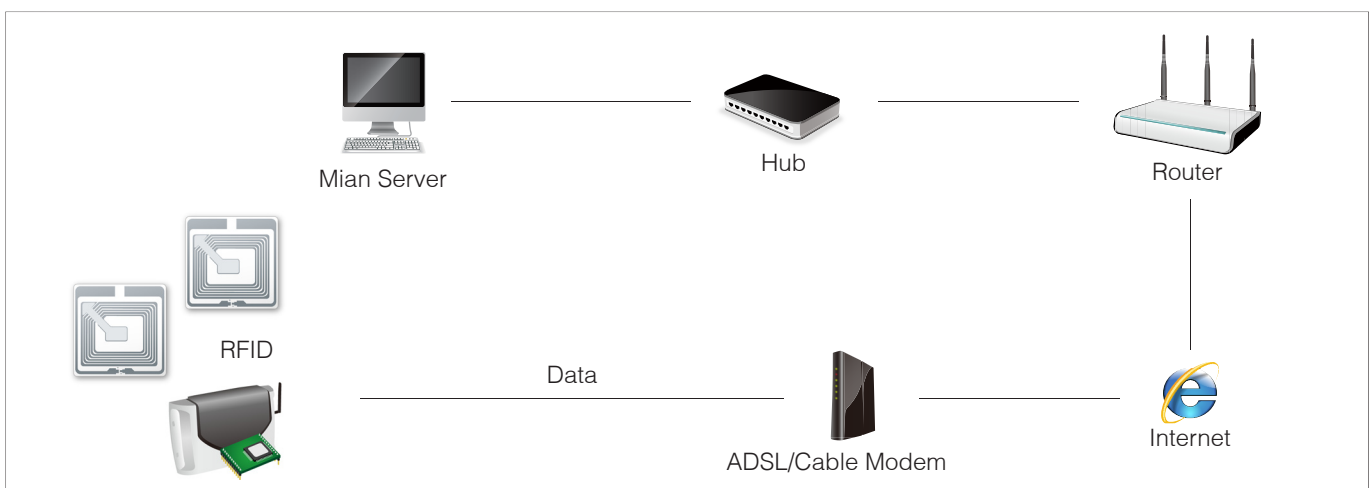
Highlights

- 将串口设备连接到10Base-T or 100Base-TX 以太网
- 超迷你模块型产品 (20mm x 24mm)
- 10/100 Base-T Ethernet
- 高速UART端口
(最大921.6Kbps – 使用Xon/Xoff 及RS485时为230.4Kbps)
- 3.3V-TTL电平, 可扩充至RS232/422/485
- 提供通过AT命令的参数设定及通信功能 (专利)

Icons



Applications



Specifications

Serial Physical Interface

Serial Interface	1xUART (3.3V TTL)
	RXD, TXD, RTS(TXDE for RS485), CTS
Connector	1 x 10 2mm pitch pin header x 2

Serial Port Properties

Baudrate	300 bps ~ 921,600 bps
Data Bits	5, 6, 7, 8 bits
Parity	None, Even, Odd, Mark, Space
Stop Bit	1, 2

Network Physical Interface

Network Interface	10Base-T/100Base-TX Ethernet
	Ethernet Speed Auto Sense
	1:1 or Cross-over Cable Auto Sense
	Simple External Circuit Required

Software Functions

Protocols	TCP, UDP, IP, ICMP, ARP, Ethernet, TELNET
	TFTP, DHCP, PPPoE, DNS, DDNS
	Telnet COM Port Control Option (RFC 2217)
Security	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	Remote Debug Function
	TCP Server / Client mode
	Sending MAC address Option

Indicators(LEDs)

Status	The current status
DTR	TCP Connection Indicator

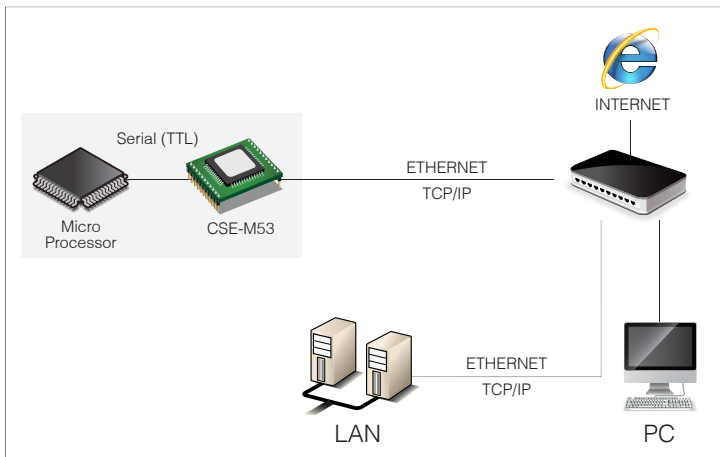
Management

ezManager	Configuration and Monitoring Tool through Network and Serial
Telnet	Telnet Login
AT Command	Configuring in ATC mode - Patent

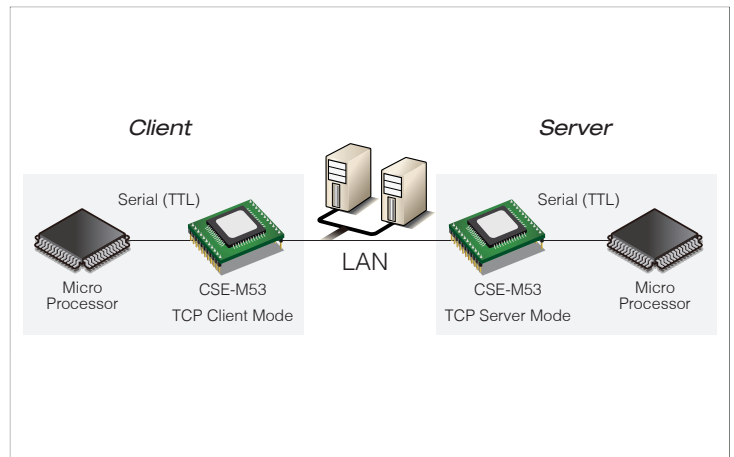
Supplementary Software

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
Power Consumption	75mA typical
Operating Temperature	-20°C ~ +70°C
Storage Temperature	-40°C ~ +85°C

System Diagram



Serial Device Server



Serial Tunnelling