

CSE-M53

(Embedded Serial to Ethernet Converter)



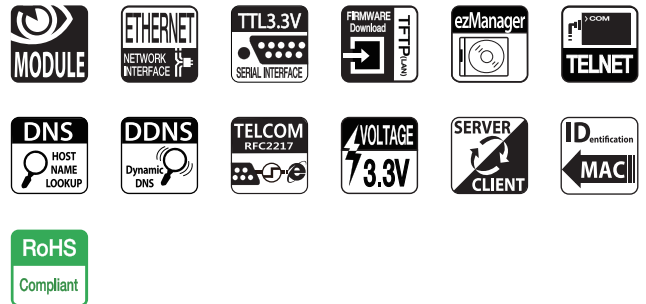
Overview

CSE-M53은 내장형 시리얼↔이더넷 변환기입니다. CSE-M53은 단일칩 기반으로 동작됨과 동시에 제품의 크기를 획기적으로 줄였습니다. 작은 크기에도 불구하고 빠른 시리얼 통신속도(921,600 bps)와 강력한 디버깅 기능을 내장하고 있습니다. 뿐만 아니라 DNS, DDNS, Telnet COM Port Control Option등의 기능을 지원하여 다양한 통신환경에서 적용이 가능합니다.

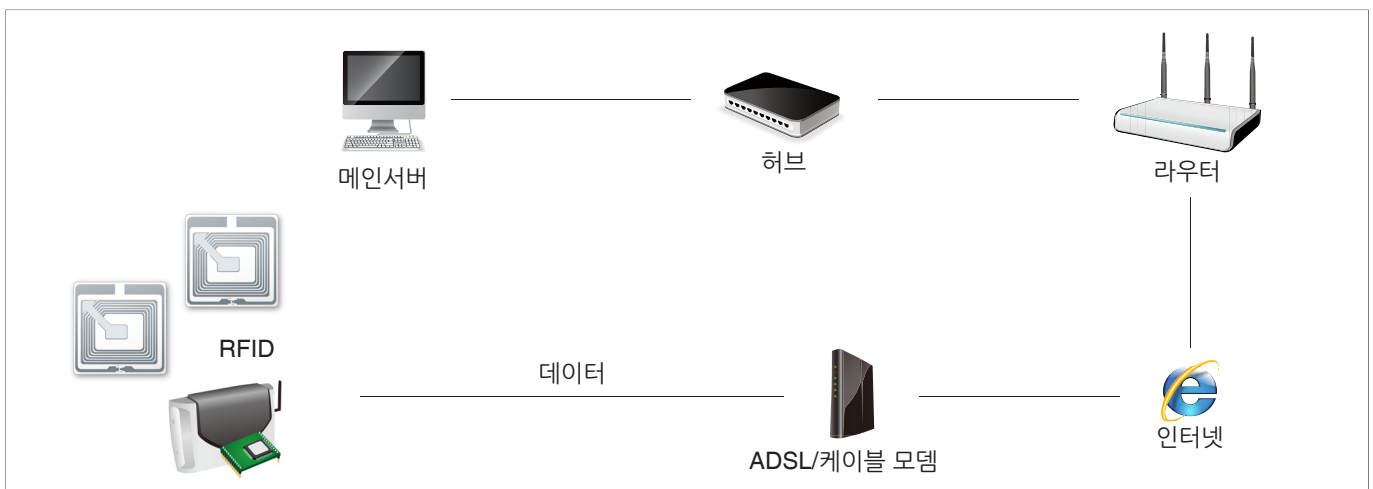
Highlights

- 시리얼 장치를 10/100Base-T 유선랜(Ethernet)에 연결
- 초소형의 모듈형 제품 (20mm x 24mm)
- 10/100 Base-T Ethernet
- 고속 UART 포트 (최대 921.6Kbps - Xon/Xoff 사용 및 RS485인 경우에는 230.4Kbps)
- 3.3V-TTL 레벨, RS232/422/485로 확장 가능
- AT 명령어를 통한 유연한 환경 설정 및 통신 기능 제공 (특허)

Icons



Application



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

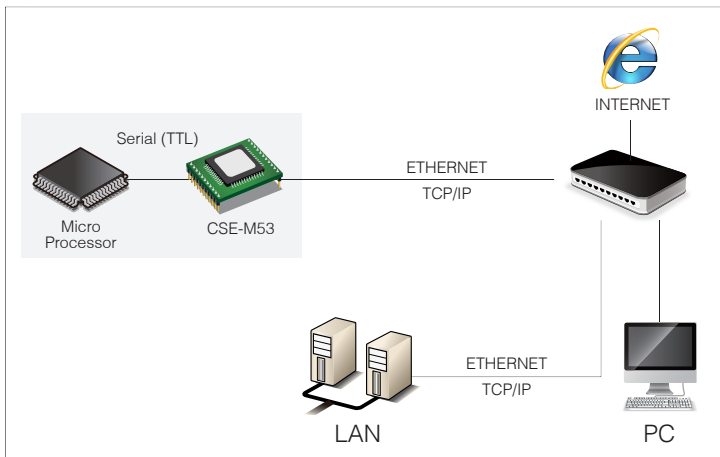
Management

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

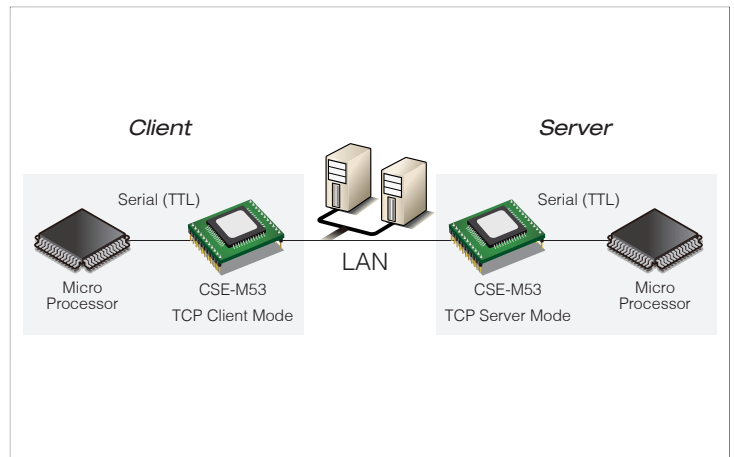
Supplementary Software

ezManager	Configuration Tool for Windows
ezVSP	Serial to Network Virtual Driver for Windows
ezTerm	Simple TCP/IP Communication Test Tool
Dimension	
Size	20.0mm x 24.0mm x 9.1mm
Operating Environment	
Input Voltage	DC 3.3V
Current Consumption	75mA typical
Operating Temperature	-20°C ~ +70°C
Storage Temperature	-40°C ~ +85°C

System Diagram



Serial Device Server



Serial Tunnelling