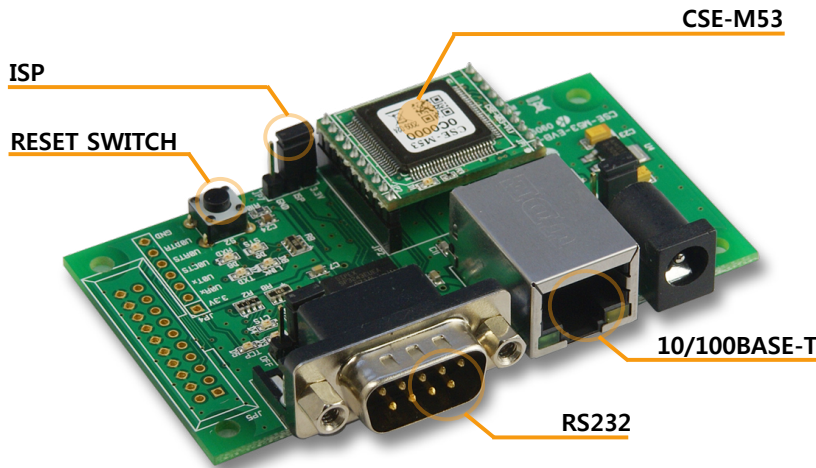


CSE-B63

(Embedded Serial Ethernet Converter)



Highlights

- 10Base-T or 100Base-TX 以太网络 (自动检测)
- 支援RS232端口x1 (最高921.6Kbps - 使用Xon/Xoff时230.4Kbps, DB9-M 接口)
- 适用内部嵌入的小体积 (80mm x 44mm x 17mm)
- 强大的检测通信状态功能 (debugging mode, ezManager, TELNET)
- 支援DHCP, PPPoE (可以在流动IP环境下使用)
- 支援多样化的HOST连接模式 (TCP 服务器, TCP客户端, UDP)
- 利用AT命令而控制的通信技能及提供设定功能 (专利)
- Host name lookup 功能 (DNS)
- 在流动IP环境下, 通过HOST可作为服务器使用 (DDNS)
- 通过Telnet Com Port Control Option (RFC2217) 支援简单的串口端口控制
- 提供使用简单的远程设定实用程序 (ezManager)
- 无偿提供用于PC用串口<->TCP/IP的虚拟系统 (ezVSP)
- 提供通过以太网端口固件升级的功能
- 遵守欧洲环境法规RoHS的环保产品

Overview

CSE-B63是为了在以太网或因特网上可以远程控制及管理串口设备而提供连接的模块型串口<->以太网的转换器。

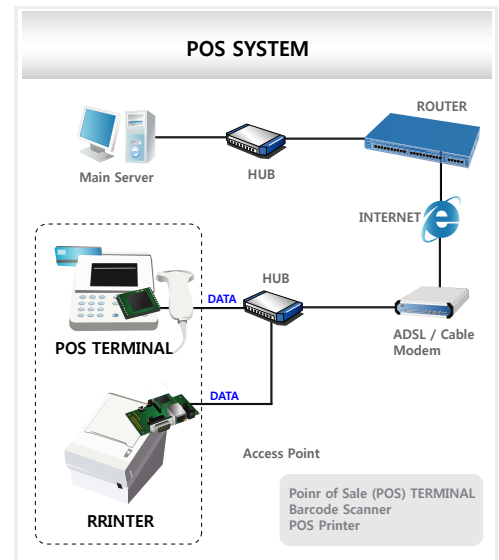
将 CSE-B63连接到现有设备中, 在不改变现有软件系统下可以方便的连接到网络。

换句话说在TCP/IP 协议下传送数据时, 自动处理数据, 将没有TCP/IP技能的使用者设备轻松连接到因特网中。

不仅如此, 支援DNS, DDNS, Telnet COM Port Control Option等技能可适用多种通信环境。

CSE-B63是将 CSE-M53连接因特网接口, 串口端连接RS232的测试板。

Applications



Specifications

*Serial Physical Interface

Serial Interface
1 x RS232
RXD, TXD, RTS, CTS
Connector
9 pin D-sub male

*Serial Port Property

Baudrate
300 bps ~ 921,600 bps
Data Bits
5, 6, 7, 8 bits
Parity
None, Even, Odd, Mark, Space
Stop Bit
1, 2
Flow Control
RTS/CTS Hardware, Xon/Xoff Software

* Network Physical Interface

Network Interface
10Base-T/100Base-TX Ethernet (RJ-45)
Ethernet Speed Auto Sense
1:1 or Cross-over Cable Auto Sense

* 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)

Run
Running indicator (embedded LED)
PWR
red
Serial TXD
green
Serial RXD
green
Serial RTS
green
Serial CTS
green
TCP
TCP connection Indicator (green)
STS
The current status (green)

Ethernet Link
green
Ethernet RXD
green
Ethernet TXD
green

* Processors

CPU
ARM Cortex-M3 Core
ROM
64K bytes Flash Memory
RAM
16K bytes SRAM

* Supplementary Software

ezManager
Configuration Tool for Windows
ezVSP
Serial to Network Virtual Driver for Windows
ezTerm
Simple TCP/IP Communication Test Tool
hotflash
Firmware Upgrade Utility for Windows

* Dimension

Size
80mm x 44mm x 17mm
Body Netweight
about 34g

* Operating Environment

Input Voltage
DC 5V ±0.5V
Power Consumption
75mA typical
Operating Temperature
-20°C ~ +70°C
Storage Temperature
-40°C ~ 85°C

System Diagram

