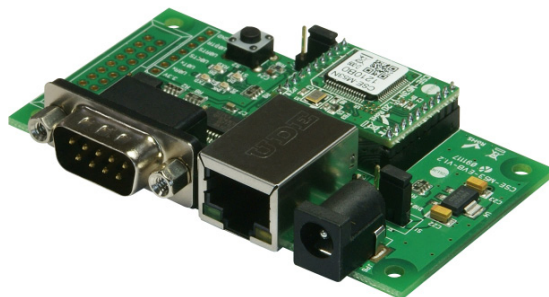


# CSE-B63N

(Embedded RS232 to Ethernet Board)



## Overview

CSE-B63N is an embedded RS232 to Ethernet board which CSE-M53N is integrated. CSE-B63N is offered with an evaluation board and it becomes much easier to embed CSE-M53N in your system by getting rid of the time burden to build an additional circuit on your own.

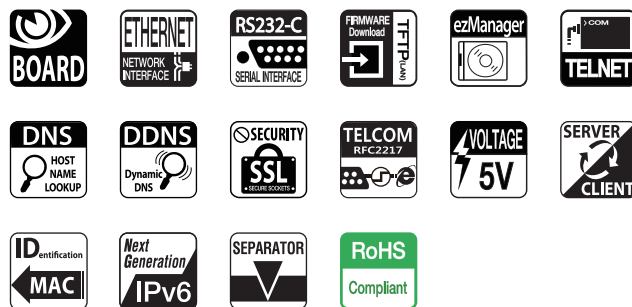
The basic concept of this RS232 to Ethernet board is quickly and easily adding networking capabilities to your serial equipment, which helps you remotely control and monitor them from anywhere in the world. As well as general functions, it provides developed features such as security options (SSL3.0/TLS1.0, IP filtering, Password), a separator for packet fragmentation, and particularly IPv4/IPv6 dual stacks that make you be prepared for moving forward to next generation Internet protocol, IPv6.

Thanks to these benefits, CSE-B63N can be used for various industrial applications: RFID System, Remote Monitoring System, Extending distance between two devices through the LAN, etc.

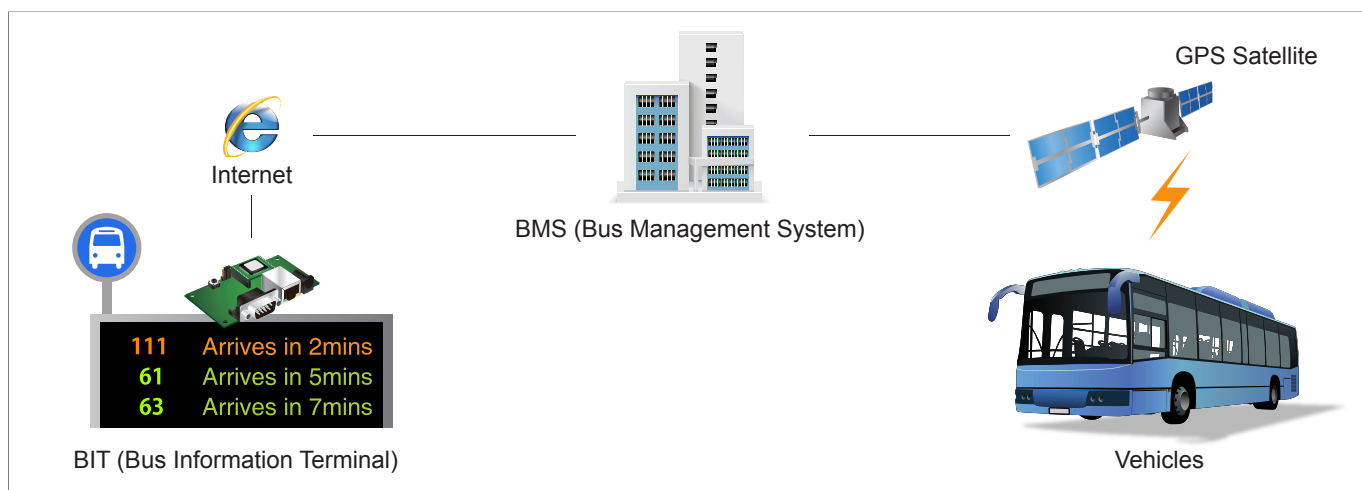
## Highlights

- IPv4 / IPv6 dual stack
  - Ethernet 10Base-T or 100Base-TX (Auto-Sensing)
  - Stateless / Stateful (DHCPv6) address autoconfiguration
  - Security options (SSL3.0/TLS1.0, IP filtering, Password)
  - Separator settings for packet fragmentation
  - High speed RS232 x 1 (up to 921.6Kbps)
- (In case of using Xon/Xoff, the maximum data rate of the UART is limited to 230.4Kbps)

## Icons



## Application



# Specifications

## Serial Physical Interface

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

## Serial Port Properties

Baudrate	1,200bps ~ 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
	Ethernet Speed Auto Sense
	1:1 or Cross-over Cable Auto Sense

## 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

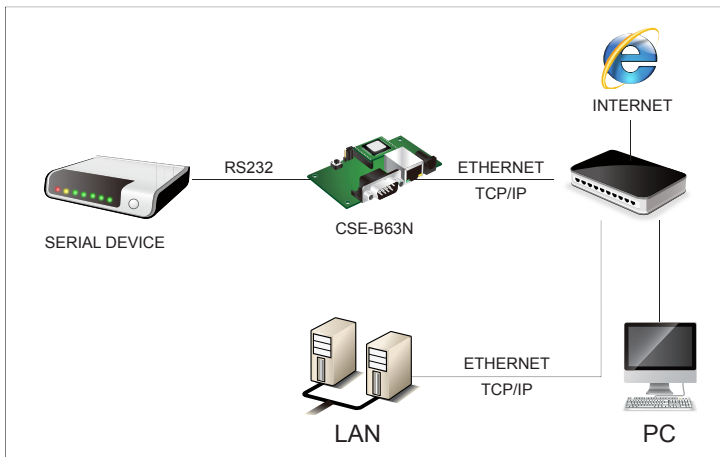
## Indicators (LEDs)

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

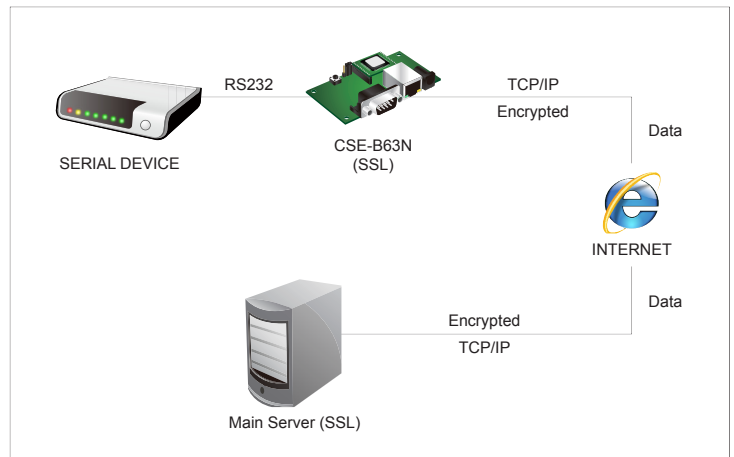
## Supplementary Software

ezManager	Configuration Tool for Windows
ezVSP	Serial to Network Virtual Driver for Windows
ezTerm	Simple TCP/IP Communication Test Tool
Dimension	
Size	80.0mm x 44.0mm x 17.0mm
Operating Environment	
Input Voltage	DC 5V ±0.5V
Current Consumption	170mA (100M Ethernet), 200mA (10M Ethernet)
Operating Temperature	-20°C ~ +70°C
Storage Temperature	-40°C ~ +85°C

## System Diagram



Serial Device Server



SSL