iCON-101CS

1-port CAN to RS-232/422/485 Industrial
Converter (-40°C ~ +70°C)

Features

- Software configurable CAN and RS-232/422/485 communication parameters
- Fully compliance with CAN 2.0A and CAN 2.0B
- D-sub DB9 CAN port supports 3KV isolation
- Easily setup to CAN and RS-485 terminator by software configurable
- Powered by 10~30V wide-range DC
- Transmission speed up to 1Mbps for CAN and   RS-232
- Clear LED indicators to converter status in progressing
- Provides DIN-rail mounting
- -40°C ~ +70°C wide temperature operating suitable for industrial automation and power automation field applications

Ext. Temp

Introduction

The CAN (Controller Area Network) is a serial bus system and is usually used in structuring intelligent industrial device networks and building smart automatic control systems. The iCON-101CS is an industrial converter ideally suitable for CAN network using traditional RS-232/422/485 devices. It precisely converts messages between CAN and RS-232/422/485 networks, allowing any PC or devices with RS-232/422/485 interface to communicate with CAN devices easily. This converter supports CAN monitor tool and displays the CAN message received in Decimal or HEX mode. The iCON-101CS shows the time stamp of each receiving message. The GUI management program and programming guide both are ready for use.

Specifications

CAN Interface

Connector	9-pin male D-Sub
Isolation	3 KVrms DC-DC converter & photocoupler
Receive Buffer	1000 data frames
NVRAM	64Kbyte for users define
Max Data Flow	10000 fps (CAN bus)
Support Protocol	CAN 2.0A/2.0B
Terminator Resistor	Software configurable
Baud Rate	5k,10k, 20k, 40k, 50k, 80k, 100k,125k, 200k, 250k, 400k, 500k, 600k, 800k ,1Mbps and user defined

Serial Interface

Connector	9-pin D-Sub
Baud Rate	up to 921600bps
Data Rate	8
Stop Rate	1
Parity	None
Receiver Buffer	1000 data frames

Power

Power Input	Input voltage: 10 to 30VDC (Terminal Block)
Power Consumption	0.9W max. 0.08A @ 10VDC, 0.03A @ 30VDC

LED

Power/firmware updating, CAN TX/RCV, CAN status for normal and error, UART TX/RCV, terminator status

Mechanical

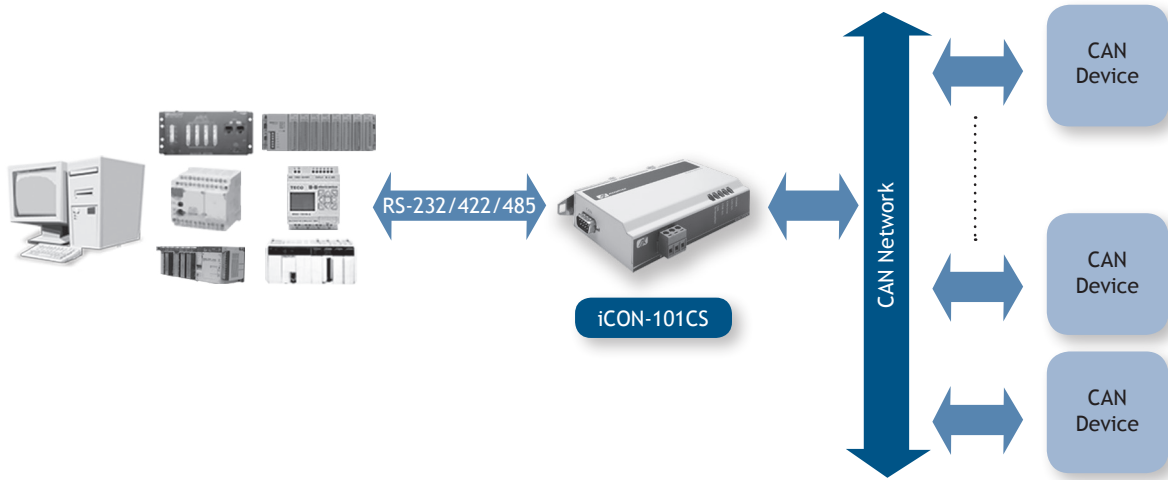|	
Casing	Aluminum case
Dimension	70 mm (W) x 110 mm (D) x 30 mm (H) (2.75" (W) x 4.33" (D) x 1.18" (H))
Weight	0.25 kg (0.55 lb)
Installation	DIN-rail and panel mount

Environment

Operating Temperature	-40°C to +70°C (-40°F to +167°F)
Storage Temperature	-40°C to +85°C (-40°F to 185°F)
Humidity	5% ~ 95% (non-condensing)
Emission Compliance	CE class A, FCC class A

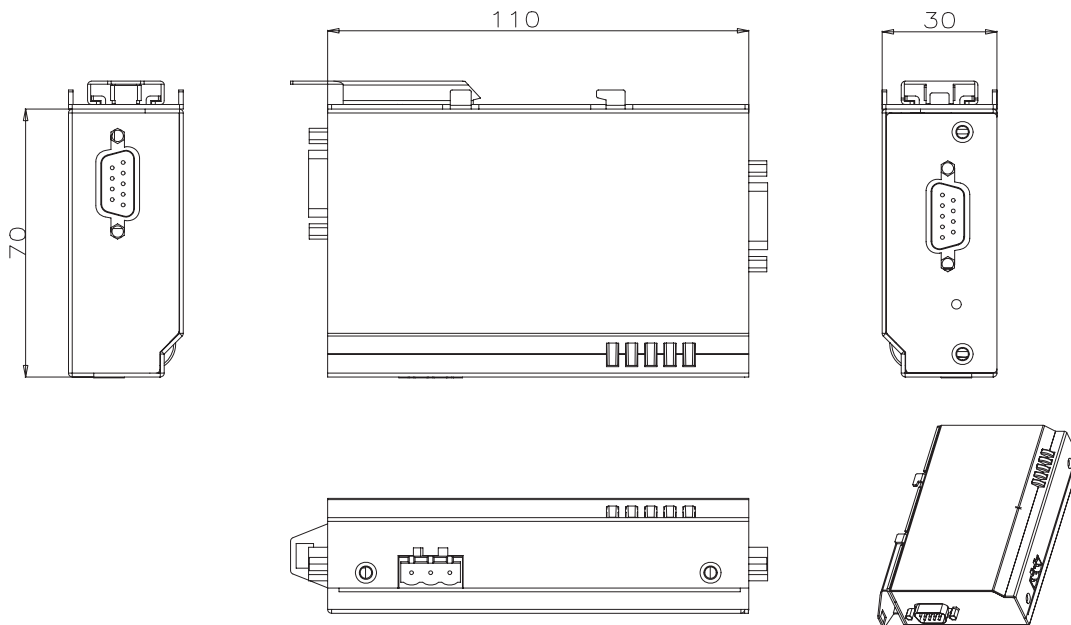## Ordering Information

iCON-101CS	1-port CAN to RS-232/422/485 industrial converter

Dimensions

Overview

Embedded
Systems

Embedded
Systems for
Transportation

Embedded
Field
Controllers

Industrial
Firewall

Digital Signage
Solutions

Embedded
MicroBoxes

Industrial
Barebone
Systems

Industrial
Chassis

Backplanes

Power
Supplies

11
Peripherals &
Accessories

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