

# iCON-101CS

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



Extended Temperature

## 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

## 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

### 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

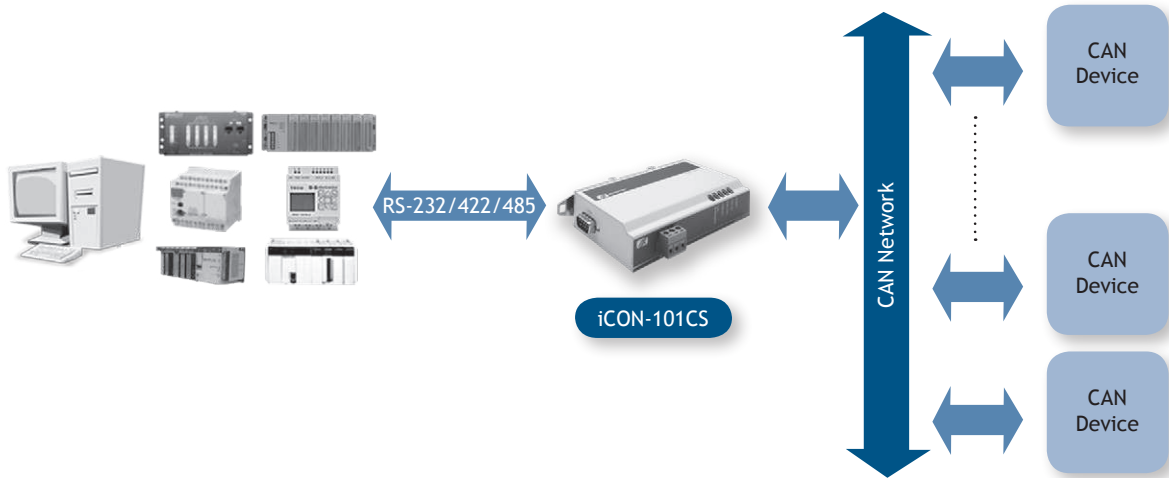
Casing	Aluminum case
Dimension	70 mm (W) x 110 mm (D) x 30 mm (H) (2.75" (W) x 4.33" (D) x 1.18" (H))
Weight	0.25 kg (0.55 lb)
Installation	DIN-rail and panel mount

### 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



Overview

Embedded Systems

Embedded Systems for Transportation

Embedded Field Controllers

Embedded MicroBoxes

Industrial Barebone Systems

Industrial Chassis

Backplanes

Power Supplies

Peripherals & Accessories

## Dimensions

