

## CP202-2CI

## 2-Port CAN bus to Ethernet Converter

### Features

- ◎ High-speed 32-bit processor;
- ◎ 10M/100M adaptive Ethernet interface
- ◎ Support AUTO MDI/MDIX, cross-over or straight-through network cable connection
- ◎ Two CAN ports
- ◎ CAN port baud rate 5K~1000Kbps;
- ◎ Support TCP Sever, TCP Client, UDP modes
- ◎ Support ARP, ICMP, UDP, TCP, IP, HTTP, DHCP, DNS protocols
- ◎ Support cross gateway, router communication
- ◎ Support static and dynamic IP address acquisition
- ◎ Support heartbeat timeout and closing timeout
- ◎ Support automatic connection recovery after disconnection, and build a reliable TCP connection
- ◎ Support flexible CAN port data frame setting, satisfying various subpackage requirements of customers
- ◎ Support 9-24VDC wide power supply range
- ◎ Support non-polar power supply
- ◎ Support IP40 protection
- ◎ Working temperature: -40°C - 75°C
- ◎ Support wall-mounted installation



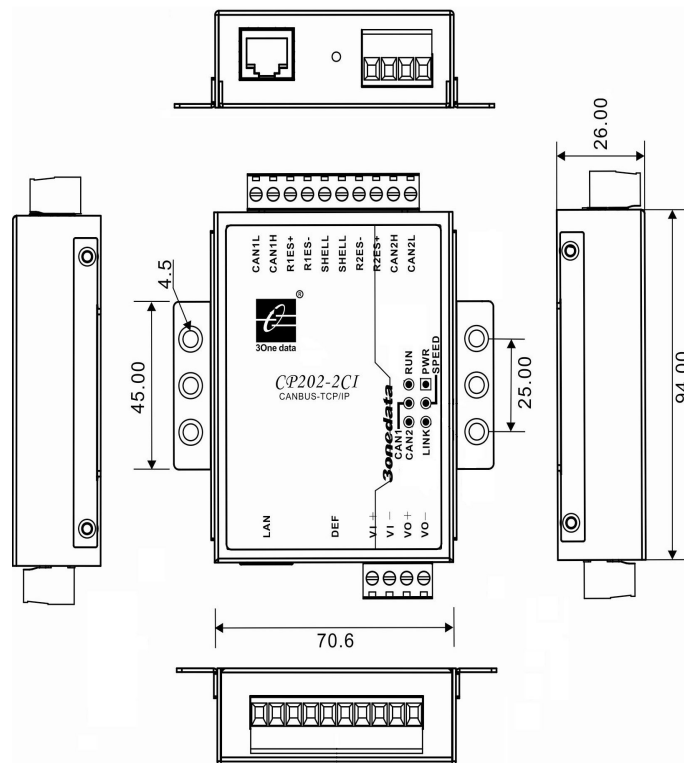
### Introduction

CP202-2CI is an industrial CAN-bus to Ethernet Converter built-in with two CAN-bus ports and one Ethernet port, with which the user can easily realize interconnection between CAN-bus and Ethernet, expanding the coverage of CAN-bus network. The CAN port communication rate is 5K~1000Kbps, with TCP Server, TCP Client, and UDP working modes, and supports as many as 3 connections,

gateway and cross-layer routing communication, IP address or domain name for easy access by user, etc. The host is easily and centrally managed. It is widely applied in PLC control and management, automatic control of buildings, health care automation system, measuring instrument and environment and power monitoring system, etc.

## Dimension

Unit (mm)



## Specification

### System Information

32-bit ARM kernel

### LAN

Port Number: 1

Standard: 10Base-T/100Base-TX

Protocol: TCP, UDP, ARP, IP, ICMP, HTTP, DHCP and DNS protocols

Transmission rate: 10/100M

Working mode: full duplex or half-duplex

Operating mode: TCP Server, TCP Client, UDP modes

### CAN:

Port Number: 2-port CAN

CAN Signal: CANH, CANL

Protocol: CAN2.0A, CAN2.0B

Working mode: 2-wire half-duplex

Baud rate: 5K~1000K bps

Load capacity: support 110 concurrent nodes

### Transmission distance

Twisted-pair: 100M (standard CAT5/CAT5e cable)

CAN transmission distance: 40m-10Km

### Indicator

Operation indicator: RUN

Ethernet connection status indicator: Link/Act

Power indicator: PWR

Port rate indicator: SPEED

CAN status indicator: CAN1, CAN2

### Software

Configuration: WEB configuration management, BlueEyes II management software

### Power

Power input: 9-24VDC

Power consumption: 1.5 W@12VDC

Support non-polar power supply

### Mechanical Characteristics

Shell: IP40 protection, metal shell

Installation: wall-mounted installation

Weight: 253g

Dimension (L\*W\*H): 94mm×70.6mm×26mm

### Working environment

Working temperature: -40~75°C



Storage temperature: -40~85°C

Humidity: 5%~95% (no condensation)

**Industry Standard**

EMC: IEC61000-4-5 (SURGE), Level 2

IEC61000-4-4(EFT), Level 4

IEC61000-4-2 (ESD), Level 3

Shock: IEC 60068-2-27

Free fall: IEC60068-2-23

Vibration: IEC 60068-2-6

**Warranty**

Warranty Period: 5 years

**Certification**

CE, FCC, RoHS, UL508 (pending)

**For latest information on product certification, please visit 3onedata website.**

**Ordering Information**

**CP202-2CI**     2-port CAN bus to Ethernet (10M/100M) Converter, 9~24VDC, wall-mounted

**Packing List**

1. CP202-2CI × 1
2. User manual × 1
3. CD × 1
4. Warranty card × 1
5. Certificate of quality × 1