CAN232

CAN to RS-232 Interface Converter

Features

1. Bidirectional data communication between CAN-bus and RS-232

2. Support CAN2.0A and CAN2.0B protocol, in compliance with the ISO/DIS 11898 specification

3. Integrated 1 CAN-bus communication interface, support for user-defined baud rate

Integrated 1 RS-232 three pins type communication interface, communication rate between 300~115200bps can be set

5. Provide three kinds of data conversion modes: transparent conversion, encryption conversion, Modbus protocol conversion

6. CAN-bus circuit using 2000V AC electrical isolation, support 8KV electrostatic protection (air discharge)

7. CAN baud rate 2.5k~1Mbps

8. Maximum frame rate: 500 frames per second

9. DC9~48V wide voltage supply input, power supply support reverse connection

10. IP40 protection grade, DIN-Rail or wall mounting installation

11. -40-75℃ working temperature

Introduction

CAN232 is used for data exchange between CAN-bus field bus and RS-232 bus interface converter, and supports Modbus RTU protocol. CAN232 interface converter integrated a RS-232 channel and a CAN bus channel can be easily embedded using RS-232 interface for communication nodes, do not need to change the original hardware architecture enables the device to obtain the CAN bus communication interface, to achieve between the equipments of RS-232 and can bus network connection and data communication. RS-232 channel CAN232 devices to support a variety of baud rate, the range is 300bps~115200bps. CAN-bus channel support CiA recommended a variety of standard baud rate and user-defined baud rate, the range of 2.5Kbps~1Mbps. CAN232 interface converter provides three types of data conversion: transparent conversion, encryption conversion and Modbus protocol conversion.

Its exterior design supports DIN-Rail mounting and Wall mounting, which is convenient for engineering application. The board comes with a photoelectric isolation module, complete electrical isolation control circuit and CAN-bus communication circuit, so that the CAN232 converter has a strong anti-interference ability, greatly improving the system in the harsh environment of the use of reliability.

Specification

Serial Interface

Standard: RS-232

RS232 port number: 1

RS-232 signal: RXD, TXD, GND

Parity bit: None, Even, Odd, Space, Mark

Data bit: 8bit

Stop bit: 1bit, 2bit

Band rate: 300bps～115200bps

Loading: point to point

Transfer distance: no more than 15m

Connector: DB9 Female

Protection: class 3 static

CAN Interface

Standard: CAN2.0A, CAN2.0B

CAN port number: 1

CAN signal: CANL, CANH, GND, RES+, RES-

Band rate: 2.5K～1Mbps

Transfer distance: 40m~10Km

LED indicator

CAN port indicator: CAN

Serial port indicator: RS-232

Power supply indicator: POWER

Power supply

Input Voltage: 9VDC (9~48VDC)

Type of input: 2 bits terminal block

Power support reverse connection

Consumption

No-load consumption: 0.86W@9VDC

Full-load consumption: 0.89W@9VDC

Working environment

Working temperature: -40～75℃

Storage temperature: -40～85℃

Relative Humidity: 5%~95 %(no condensation)

Mechanical Structure

Shell: IP40 protect grade, metal shell

Installation: DIN-Rail or Wall mounts

Weight: 238g

Size (W×H×D): 69mm×22mm×100mm

Industry Standard

EMI: FCC Part 15, CISPR (EN55022) class A

EMS: EN61000-4-2 (ESD), Leve 3

Shock: IEC 60068-2-27
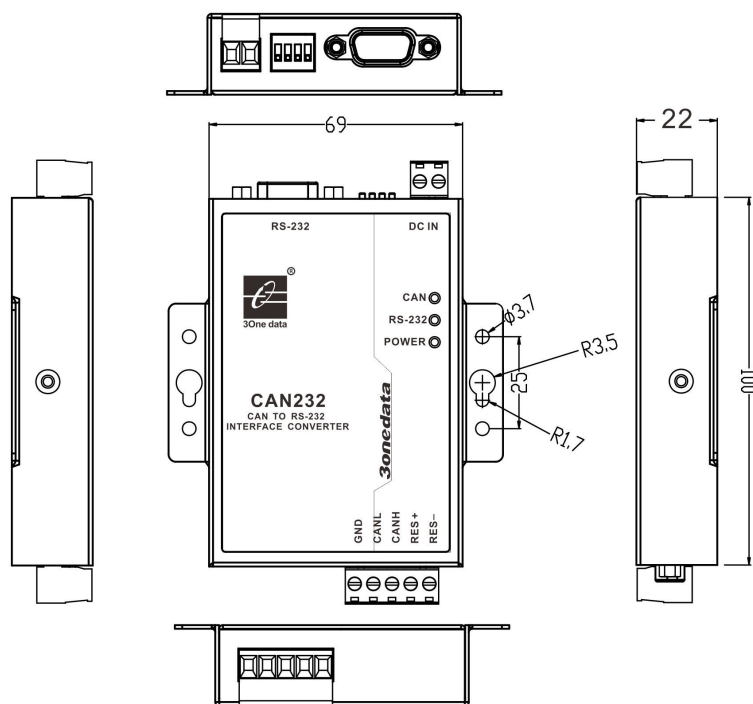
Free fall: IEC 60068-2-32

Vibration: IEC 60068-2-6

Certification

CE, FCC, RoHS, UL508 (Pending)

Warranty: 3 years

Dimension

Unit (mm)

Packing List

1. CAN to RS-232 Interface Converter (plus terminal block) ×1

2. CD × 1

3. User manual × 1

4. Certificate of quality × 1

5. Warranty card × 1