



CAN232

Wall Mounting

CAN to RS-232 Interface Converter

- Support data conversion between 1 CAN port and 1 RS-232 serial port
- Support multiple conversion modes like transparent conversion, marked transparent conversion, Modbus RTU protocol conversion and data conversion
- CAN port support 2.5kbps-1000kbps baud rate
- Support 9~48VDC wide voltage input
- Support -40 ~ 75°C wide operating temperature range



Introduction

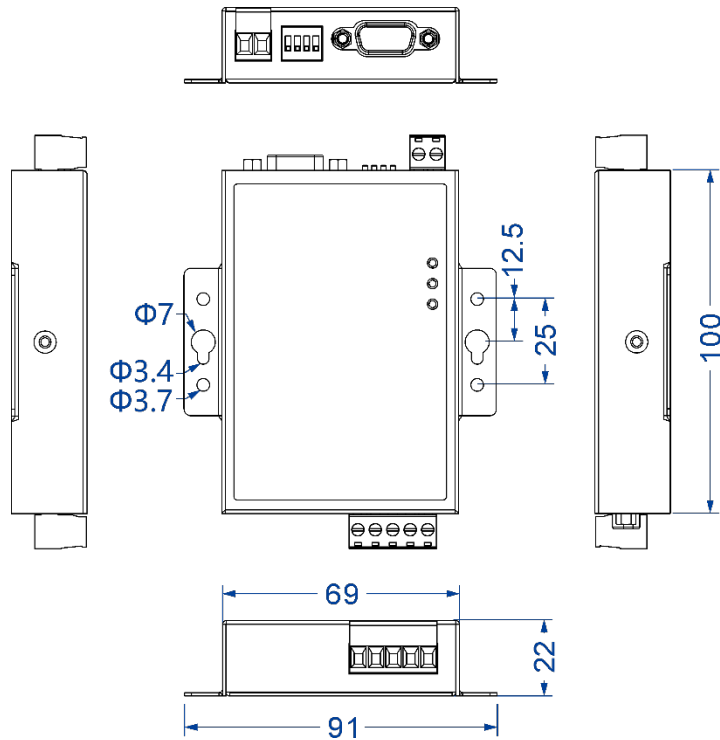
CAN232 is an interface converter that implements data exchange between CAN-bus network and RS-232 device. It also supports data exchange between CAN-bus network and Modbus RTU protocol. This product supports 1 CAN port and 1 RS-232 serial port, and adopts wall mounting which can meet the requirements of different scenes.

CAN232 supports multiple conversion modes like transparent conversion, marked transparent conversion, Modbus RTU protocol conversion and data conversion. Otherwise, it provides matching CAN configuration tools which can achieve data conversion between CAN bus and RS-232 serial port via easy setting.

DIP switch could implement configuration mode enablement for device. Hardware adopts fanless, low power consumption, wide temperature and voltage design and has passed rigorous industrial standard tests, which could adapt to industrial scene environment with harsh requirements for EMC. It can be widely used in PLC control and management, building automation, healthcare automation system, measuring instrument and environment monitoring system, etc.

Dimension

Unit:mm



Specification

CAN Interface	<p>Standard: CAN2.0A, CAN2.0B Interface quantity: 1 CAN port CAN signal: CANH, CANL, GND Duplex mode: 2-wire Half Duplex Mode Baud rate: 2.5kbps-1000kbps Load capacity: support concurrent transmitting of 110 nodes Transmission distance: 40m~10km Interface form: adopt 5-pin 5.08mm pitch terminal blocks Terminating resistor: optional external 120Ω terminating resistor Interface protection: 2kVAC isolation protection</p>
Serial Port	<p>Standard: EIA RS-232C Protocol: Modbus RTU (optional) Serial port quantity: 1 RS-232 serial port RS-232 signal: TXD, RXD, GND Baud rate: 300-115200bps Data bit: 8bit Check bit: None, Even, Odd, Space, Mark Stop bit: 1bit, 2bit Interface form: DB9, Female Transmission distance: 15m</p>
Configuration Method	Windows configuration tool
Data Conversion Mode	Transparent conversion, marked transparent conversion, Modbus RTU protocol conversion, data conversion
LED Indicator	Power supply indicator, CAN port indicator, serial port indicator
Power Requirement	<p>9~48VDC 2-pin 5.08mm pitch terminal blocks Support non-polar connection</p>
Power Consumption	<p>No-load: 0.86W@24VDC Full-load: 0.84W@24VDC</p>
Environmental Limit	<p>Operating temperature: -40~75℃ Storage temperature: -40~85℃ Relative humidity: 5% ~ 95%(no condensation)</p>
Physical Characteristic	<p>Housing: IP40 protection, metal Installation: wall mounting</p>

	Dimension (W x H x D): 69mm×22mm×100mm Weight: 238g
	IEC 61000-4-2 (ESD, electrostatic discharge), Level 3 <ul style="list-style-type: none">• Air discharge: ±8kV
Industrial Standard	Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6
Certification	CE, FCC, RoHS
Warranty	3 years



Ordering Information

Available Models	CAN	RS-232	Power Supply Range
CAN232	1	1	9~48VDC



Address: 3/B, Zone 1, Baiwangxin High Technology Industrial Park, Song Bai Road, Nanshan District, Shenzhen, 518108, China

TEL.: +86-755-26702668 ext 835 FAX: +86-755-26703485

E-mail: ics@3onedata.com

Website: www.3onedata.com

◀ Please scan our QR code for more details

*Product pictures and technical data in this datasheet are only for reference. Updates are subject to change without prior notice. The final interpretation right is reserved by 3onedata.