



## CAN485

Wall Mounting

CAN to RS-485 Interface Converter

- Support data conversion between 1 CAN port and 1 RS-485 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

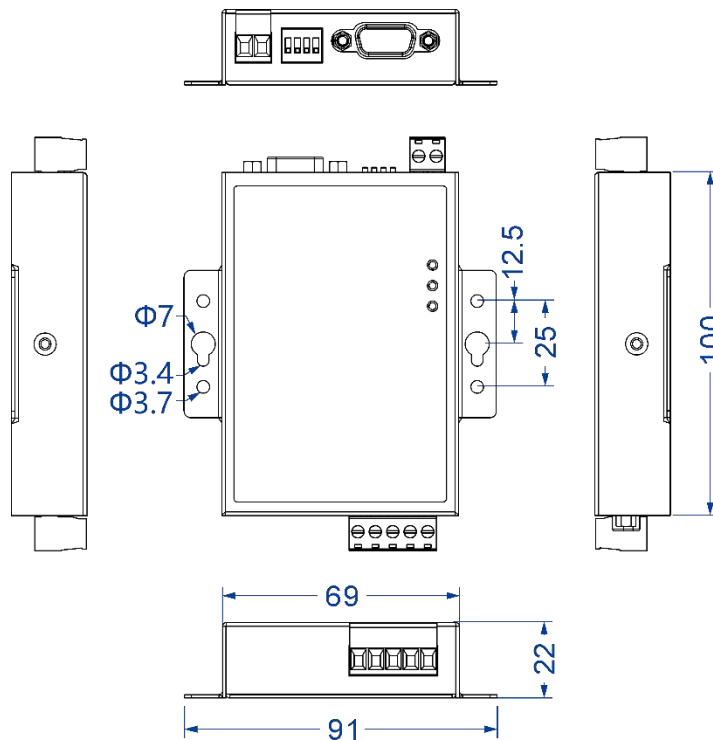
CAN485 is an interface converter that implements data exchange between CAN-bus network and RS-485 device. It also supports data exchange between CAN-bus network and Modbus RTU protocol. This product supports 1 CAN port and 1 RS-485 serial port and adopts wall mounting which can meet the requirements of different scenes.

CAN485 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-485 serial port via easy setup.

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 can suit for the 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-485                  Protocol: Modbus RTU (optional)                  Serial port quantity: 1 RS-485 serial port                  RS-485 signal: D+, D-, 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: 1200m</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: 1.58W@24VDC                  Full-load: 1.59W@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"><li>• Air discharge: ±8kV</li></ul>
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-485	Power Supply Range
CAN485	1	1	9~48VDC



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