



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



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Introduction

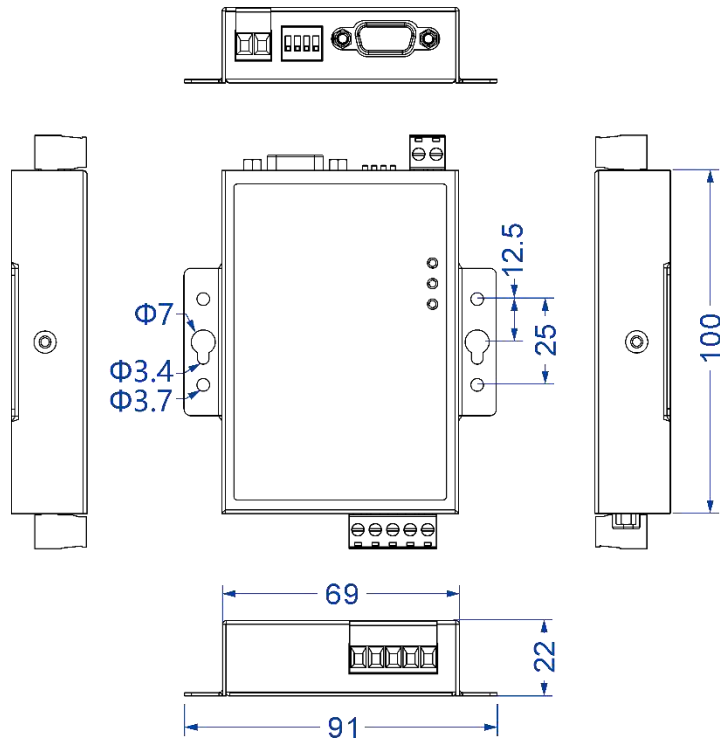
CAN485 is an interface converter that implements data exchange between CAN-bus network and RS-485 device. It also supports data exchange between CAN-bus network and Modbus RTU protocol. This product supports 1 CAN port and 1 RS-485 serial port and adopts wall mounting which can meet the requirements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

Part No	Article No/SKU	Description
CAN485	AT-CAN485	RS-485 to CAN converter, CAN 2KVAC isolation, 8KV ESD, 9-48VDC



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