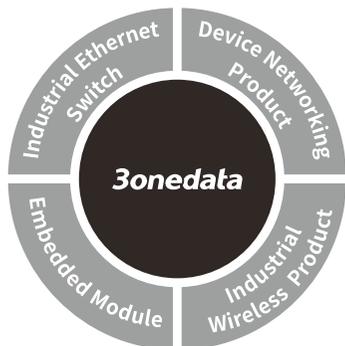


CAN485 Interface Converter Quick Installation Guide



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【Package Checklist】

Please check the integrity of package and accessories while first using the CAN interface converter.

- | | |
|----------------------------|-----------------------------|
| 1. CAN interface converter | 2. Quick installation guide |
| X 1 | |
| 3. CD | 4. Warranty card |
| 5. Certification | |

If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.

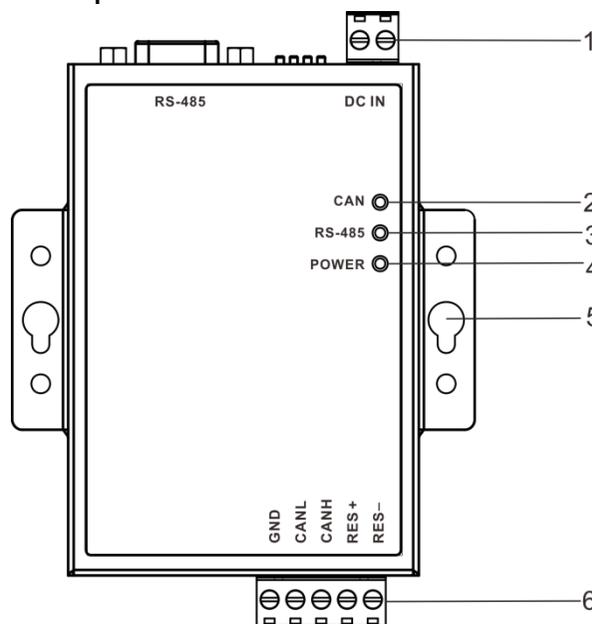
【Product Overview】

The product is the interface converter for the data exchange between CAN-bus profibus and RS-485 bus. The model is

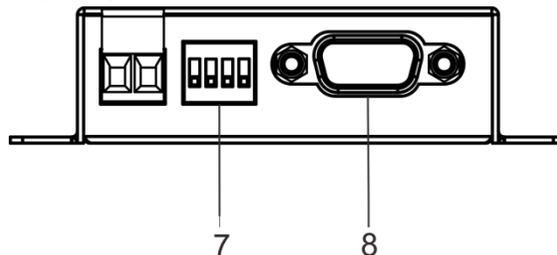
CAN485 (1 RS-485 serial port + 1 CAN port).

【Panel Design】

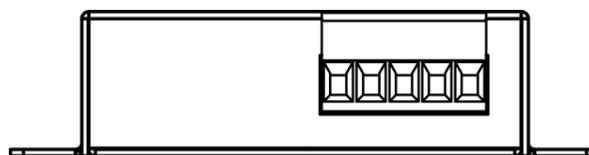
➤ Top view



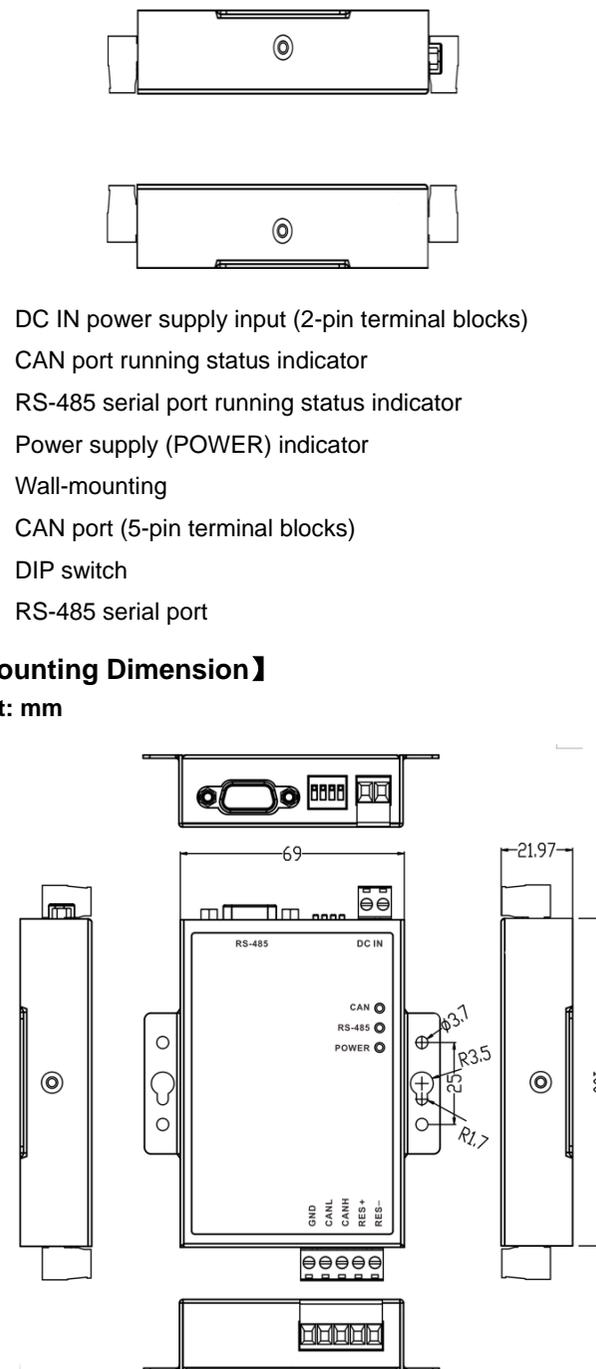
➤ Front view



➤ Rear view



➤ Left view and right view



1. DC IN power supply input (2-pin terminal blocks)
2. CAN port running status indicator
3. RS-485 serial port running status indicator
4. Power supply (POWER) indicator
5. Wall-mounting
6. CAN port (5-pin terminal blocks)
7. DIP switch
8. RS-485 serial port

【Mounting Dimension】

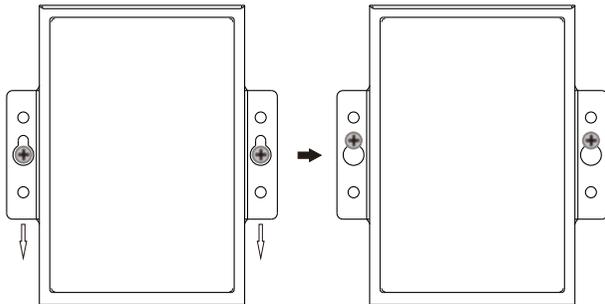
Unit: mm

**Note:**

- Don't place or install the device in area near water or moist, keep the relative humidity of the device surrounding between 5%~95% without condensation.
- Before power on, first confirm the supported power supply specification to avoid over-voltage damaging the device.
- The device surface temperature is high after running; please don't directly contact to avoid scalding.

【Wall-mounting】

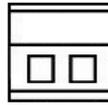
- Step 1 Place the device on the wall of device mounting as reference or refer to the installation dimension to mark the position of the two screws.
- Step 2 Fix the M4 screw in the wall and reserve 2mm interspace
- Step 3 Hang the device on the two screws and slide downward, and then tighten the screws, mounting ends.

**【Disassembling Wall-mounting Device】**

- Step 1 Power off the device.
- Step 2 Unscrew the screws in the wall about 2mm.
- Step 3 Lift upward the device lightly to remove the device, disassembling ends.

**Note:**

- Power ON operation: First insert the power supply terminal block into the device power supply interface, and then plug the power supply socket and power on.
- Power OFF operation: First, unpin the power supply plug. And then remove the connector of the terminal block. Please notice the operation order above.

【Power Supply Connection】

DC IN

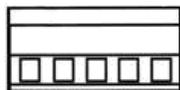
The top panel of CAN485 interface converter provides 2-pin industrial terminal blocks (DC IN), thereinto, DC IN is 9~48VDC power supply input. Power supply supports nonpolarity.

【DIP Switch Settings】

4-pin DIP switches are provided for function settings, among which "ON" is enabling valid end.

DIP switches definition as follows:

DIP	Definition	Operation
1	Reserved	-
2	Configuration mode settings	Dial the DIP to ON, the converter enters into "configuration" mode after being powered on; Dial down the DIP, the converter enters into "normal operation" mode after being powered on.
3	Restore factory defaults	Dial the DIP to ON, the device will automatically reboot and restore factory defaults, dial back the DIP.
4	Reserved	-

【CAN Port】

1 2 3 4 5

CAN port of CAN485 adopts 5-pin 5.08mm pitch terminal blocks.

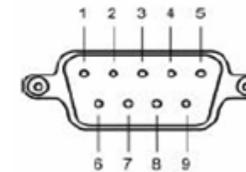
Pin NO.	Pin Name	Pin Definition
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1	GND	Ground wire
2	CANL	Connecting end of CANL signal line
3	CANH	Connecting end of CANH signal line
4	RES+	CAN network matching resistor end 1
5	RES-	CAN network matching resistor end 2

Pin 4 is marked with "Res+" and pin 5 is marked with "Res-", which are connected to the terminal resistance of CAN network. When CAN485 converter serves as CAN-bus network terminal, two pins are connected by 120 ohms resistor; otherwise it's useless to install 120 ohms resistor.

【RS-485 Serial Port】

DB9 Male



As for the CAN485, RS-485 ports adopt standard DB9 male, pin definition conforms to RS-485 norm. Here three-wire connection is adopted.

Pin NO.	Pin Name	Pin Definition
1	D-	RS-485 differential negative level
2	D+	RS-485 differential positive level
3	—	Without connection
4	—	Without connection
5	GND	Ground wire
6	—	Without connection
7	—	Without connection
8	—	Without connection
9	—	Without connection

【Checking LED Indicator】

CAN485 interface converter provides LED indicators to

monitor the device working status with a comprehensive simplified troubleshooting; the function of each LED is described in the table as below:

LED	Status	Description
POWER	ON	Power supply is connected or running normally
	OFF	Power supply is disconnected or running abnormally
RS-485	ON	Serial port is connected normally
	Blinking	Serial port is connected normally and is receiving/sending data
	OFF	Serial port is receiving/sending data abnormally or the device isn't powered on
CAN	ON	CAN port is connected normally
	Blinking	CAN port is connected normally and is receiving/sending data
	OFF	CAN port is receiving/sending data abnormally or the device isn't powered on

【Specification】

Panel	
Serial port	1 RS-485 serial port, the interface adopts DB9 Male
CAN port	1 CAN port, it adopts 5-pin 5.08mm pitch terminal blocks
Indicator	Serial port indicator, power supply indicator, CAN indicator
Power supply	
Input power supply	9~48VDC
Access terminal block	2-pin 5.08mm pitch terminal

	blocks
	Support nonpolarity connection
Power consumption	
No-load consumption	1.58W@24VDC
Full-load consumption	1.59W@24VDC
Working environment	
Working temperature	-40℃~75℃
Storage temperature	-40℃~85℃
Working humidity	5%~95% (no condensation)
Protection grade	IP40 (metal shell)