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CP202-2CI-P (12-48VDC) CAN Server Quick Installation Guide

Industrial Ethernet Switch
Device Networking Product
Embedded Module
Industrial Wireless Product
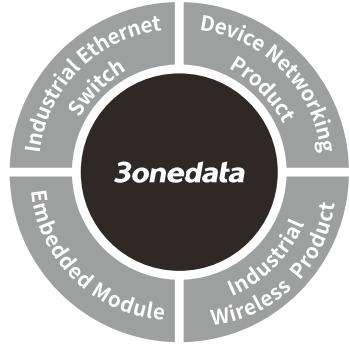
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【Package Checklist】

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

1. CAN server X1 (with wiring terminal block)
2. Straight-through network cable
3. Wall mounting accessories
4. Power adapter
5. Warranty card
6. Certification

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

【Products Overview】

This product is a CAN server, the model is CP202-2CI-P (12-48VDC) (2 CAN bus ports to 1 10/100 Base T(X) converter).

【Panel Design】

➢ **Top view, main view and bottom view**
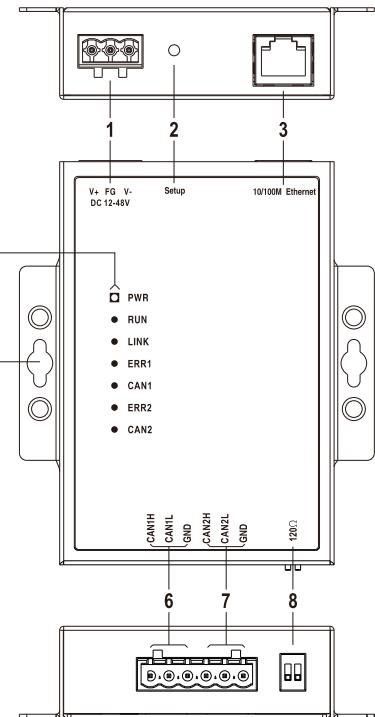
1. Terminal block for power input
2. Restoring factory setting button Setup
3. 100M Ethernet RJ45 port
4. Indicators, from top to bottom in turn they are:
   - Power indicator PWR
   - system running indicator RUN
   - network link indicator LINK
   - CAN port error indicator ERR1
   - CAN port state indicator CAN1
   - CAN port error indicator ERR2
   - CAN port state indicator CAN2
5. Lugs
6. CAN0/terminal block
7. CAN1/terminal block
8. DIP switch

## 【Mounting Dimension】

Unit: mm
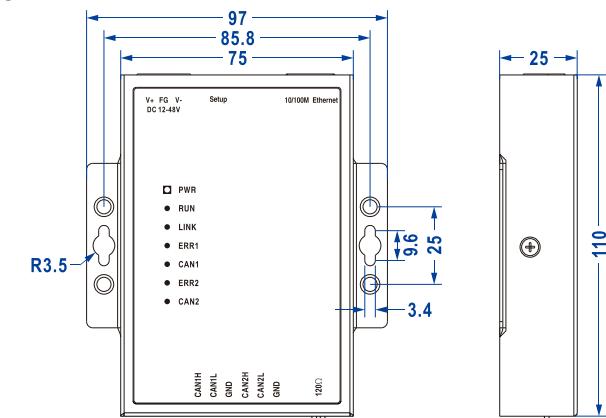
⚠ **Notice Before Mounting:**

- 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.

【Wall-mounted Device Mounting】

Step 1 Place the CAN server on the wall as reference or reference installation dimension; label the bolt position on the wall.

Step 2 Nail M4 screws on the wall and keep 2mm interspace reserved.

Step 3 Hang the device on two screws and slide downward, then tighten the screw to enhance stability, mounting ends.
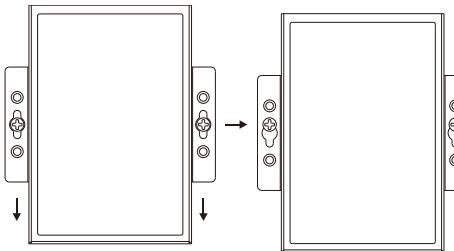
【Device Disassembling】

Step 1   Power off the device.

Step 2   Unscrew the screw on the wall about 2mm.

Step 3   Lift the device outward slightly; take out the device, disassembling ends.

⚠ **Notice before power on:**

● Power ON operation: First insert the power supply terminal block into the device power supply interface, and then plug the power supply plug contact and power on.

● Power OFF operation: First, remove the power plug, then remove the wiring section of terminal block. Please pay attention to the above operation sequence.

【Power Supply Connection】

➢ **DC power supply**
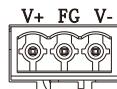
The device supports 1 DC power input, adopts 3-pin 5.08mm pitch terminal blocks (V+, FG, V-), FG is the ground terminal, power input range: 12 ~ 48VDC. The power supply supports non-polarity connection, and the equipment can still work normally after reverse connection.

【Restore Default Settings】

Setup is restoring default settings button. Restoring default settings steps as follows: Press and hold the Setup button, wait for 4-5 seconds, then release the button to restore the factory settings.

【DIP Switch Settings】
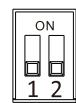
The device provides two-pin DIP switch, in which switch 1 corresponds to CAN1 and switch 2 corresponds to CAN2.

Number	Definition	Operation
1	Add 120Ω terminal resistance to CAN1	Set Switch1 to ON
2	Add 120Ω terminal resistance to CAN2	Set Switch2 to ON

【CAN Port Connection】
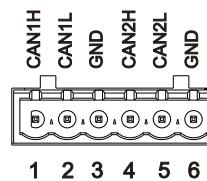
The device provides 2 CAN ports, adopts 6-pin 5.08mm pitch industrial terminal blocks, in which Pin 1-3 are the first CAN port and Pin 4-6 are the second CAN port. The pin definition as follows:

NO.	Name	Note
1	CAN1H	The first channel CANH signal
2	CAN1L	The first channel CANL signal
3	GND	Shell Ground
4	CAN2H	The second channel CANH signal
5	CAN2L	The second channel CANL signal
6	GND	Shell Ground

【LED Indicator】

The device provides LED indicators to monitor its operating status, which has simplified the overall troubleshooting process. The function of each LED is described in the table below:

LED	Indicate	Description
PWR	ON	Power is connected and running normally
PWR	OFF	Power supply is disconnected or running abnormally
RUN	Blinking	The system is running normally
RUN	OFF	The system is not running or running

LED	Indicate	Description
		abnormally
	ON	System is running abnormally
LINK	ON	LAN port has established valid network connection
LINK	Blinking	LAN port is in an active network status
LINK	OFF	LAN port hasn't established valid network connection
ERR1	ON	CAN1 port work has fault
ERR1	OFF	CAN1 port is working normally
CAN1	OFF	CAN1 port is not transmitting data or transmitting data abnormally
CAN1	Blinking	CAN1 port is transmitting data
ERR2	ON	CAN2 port work appears fault
ERR2	OFF	CAN2 port is working normally
CAN2	OFF	CAN2 port is not transmitting data or transmitting data abnormally
CAN2	Blinking	CAN2 port exists data transmission

【Logging in to WEB Interface】

This device supports WEB management and configuration. Computer can access the device via Ethernet interface. The way of logging in to device's configuration interface via IE browser is shown as below.

Step 1   Configure the IP addresses of computer and the device to the same network segment, and the network between them can be mutually accessed.

Step 2   Enter device's IP address in the address bar of the computer browser.
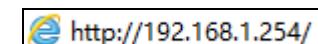
🌐 http://192.168.1.254/

Step 3   Enter device's username and password in the login window as shown below.
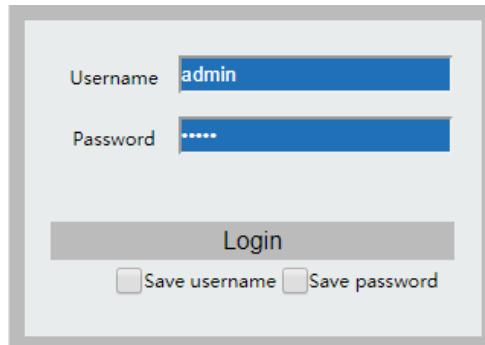
Step 4　Click "Login" button to login to the WEB interface of the device.

Notes:

- The default IP address of the device is "192.168.1.254".
- The default user name and password of the device are "admin".
- If the user name or password is lost, user can restore it to factory settings via Setup button or management software; all modified configurations will be cleared after restoring to factory settings, so please backup configuration file in advance.
- Please refer to user manual for specific configuration method of logging in to WEB interface and other configurations about network management function.

【Specification】

Panel	
100M copper port	10/100 Base-T(X) self-adapting RJ45 port, full duplex or half duplex self-adapting, support MDI/MDI-X self-adapting
CAN Port	2 CAN ports, 6-pin 5.08mm pitch industrial wiring terminal blocks
Indicator	Power indicator, system running indicator, network link indicator, CAN port error indicator, CAN port state indicator

Power Supply	
Input power supply	12V～48VDC
Access terminal block	3-pin 5.08mm pitch industrial wiring terminal blocks

Power Consumption	
No-load	1.00W@12VDC
Full-load	1.10W@12VDC

Working Environment	
Working temperature	-40℃～75℃
Storage temperature	-40℃～85℃
Working humidity	5%～95% (no condensation)
Protection grade	IP40 (metal shell)