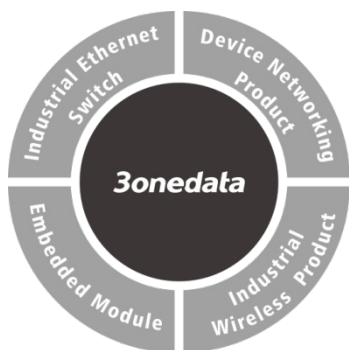


ICP222-1T2F-2CI-TB-P(12-48VDC) CAN Server Quick Installation Guide



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【Package Checklist】

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

1. CAN server x 1 (including terminal blocks)
2. Certification
3. DIN-Rail mounting attachment
4. Warranty card

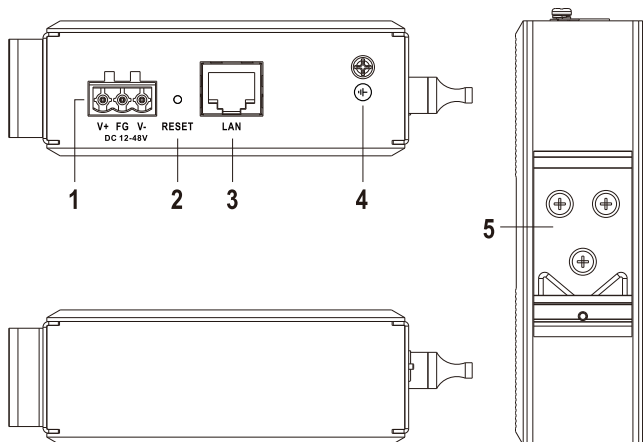
If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.

【Product Overview】

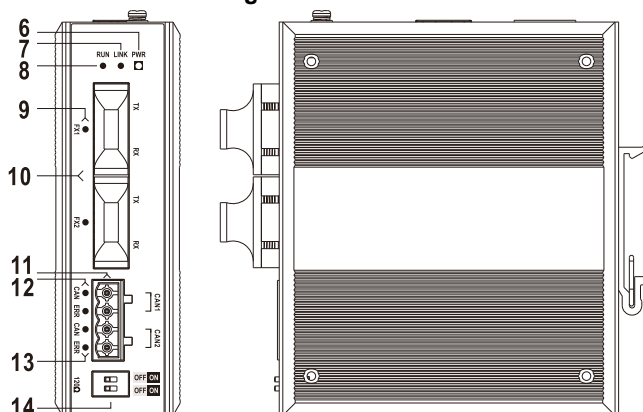
This product is an industrial CAN device-networking server. The model is ICP222-1T2F-2CI-TB-P(12-48VDC) (2 CAN-Bus + 2 100M fiber ports + 1 100M copper port).

【Panel Design】

➤ **Top view, bottom view and rear view**



➤ **Main view and right view**

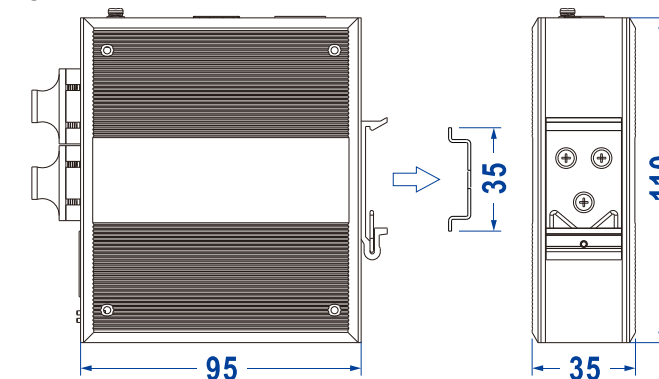


1. Power supply input terminal block
2. RESET button
3. 10/100Base-T(X) 100M copper port (LAN)
4. Grounding screw
5. DIN-Rail mounting kit
6. Power supply indicator PWR
7. Copper port indicator (LINK)
8. Running indicator (RUN)
9. Fiber port indicator (FX1-FX2)
10. 100Base-FX 100M fiber port (FX1-FX2)
11. CAN-Bus interface (CAN1-CAN2)
12. CAN indicator (CAN)

13. CAN error indicator (ERR)
14. DIP switch of terminal resistance (120Ω)

【Mounting Dimension】

Unit: mm

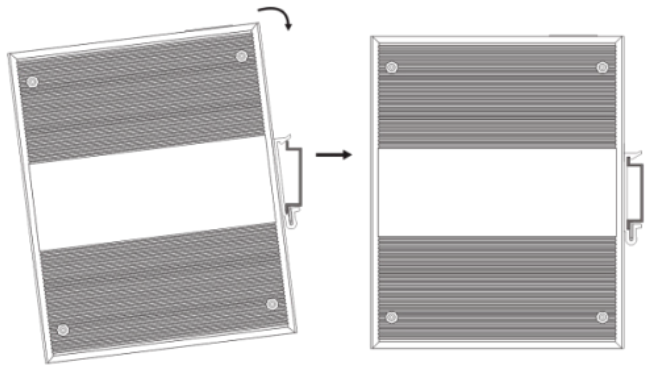


⚠ Notice Before Mounting:

- 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.
- The device surface temperature is high after running; please don't directly contact to avoid scalding.

【DIN-Rail Mounting】

The product adopts 35mm standard DIN-Rail mounting which is suitable for most industrial scenes, mounting steps as follows:



Step 1 Check whether the DIN-Rail mounting kit that comes with the device is installed firmly.

Step 2 Insert the bottom of DIN-Rail mounting kit (one side with spring support) into DIN-Rail, and then insert the top into DIN-Rail.

Tips:

Insert a little to the bottom, lift upward and then insert to the top.

Step 3 Check and confirm the product is firmly installed on DIN-Rail, then mounting ends.

【Disassembling DIN-Rail】

Step 1 Power off the device.

Step 2 After lift the device upward slightly, first shift out the top of DIN-Rail mounting kit, then shift out the bottom of DIN-Rail, disassembling ends.



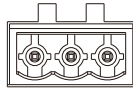
Notice before power on:

- Power ON operation: First insert the power supply terminal block into the device power supply interface, 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】

➤ 12~48VDC power supply input

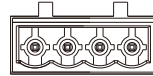
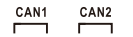
The device provides 3-pin power supply input terminal blocks



V+ FG V-
DC 12-48V

and supports 1 DC power supply input which supports nonpolarity, the device can work normally after reverse connection. The definitions of power pin are shown in the left figure, and the power input range is 12~48VDC.

【CAN Port Connection】



1 2 3 4

This series of device provides 2 CAN interfaces, and adopts 4-pins 5.08mm pitch terminal blocks. The pin definitions of CAN interface are shown in the following table:

Pin No.	1	2	3	4
Definition	CAN1L	CAN1H	CAN2L	CAN2H

【DIP Switch Settings】



The front panel of this series device provides 2-pin DIP switch for function setting, where "ON" is enable valid terminal. The definitions of DIP switch are as follows:

DIP	Definition	Operation
1	120Ω	Set the switch to ON, and the CAN1 port will be connected to 120Ω terminal resistance; Set the switch to OFF, the terminal resistance will be canceled.
2	120Ω	Set the switch to ON, and the CAN2 port will be connected to 120Ω terminal resistance; Set the switch to OFF, the terminal resistance will be canceled.

【Reset Button Setting】

○ This series device provides 1 RESET button that can be used to reboot the device and restore factory defaults. Press the RESET button for 3~4s and release it, and the device will restart automatically; Press and hold the RESET button for 5s and release it, and the device will automatically restore the factory defaults.

【Checking 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:

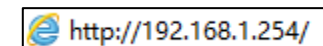
LED	Indicate	Note
PWR	ON	Power supply is running normally
	OFF	Power supply is disconnected or running abnormally
RUN	Blinking	The device is running normally
	OFF	The device is not running or running abnormally
LINK, FX1-FX2	ON	Ethernet port has established a valid network connection
	Blinking	Ethernet port is in an active network status
	OFF	Ethernet port has not established valid network connection
CAN	OFF	CAN port is not transmitting data or transmitting data abnormally
	Blinking	CAN port exists data transmission
ERR	ON	CAN port has fault
	OFF	CAN port is working normally

【Logging in to WEB Interface】

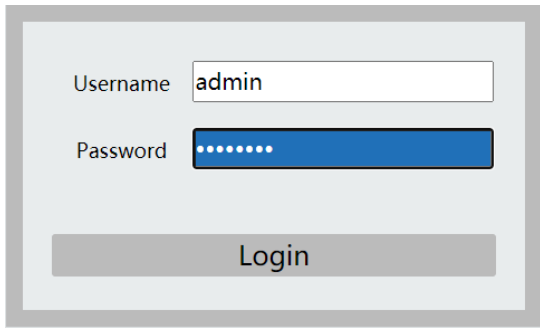
This device supports WEB management and configuration. Computer can access the device via Ethernet interface. The way of logging in to device's configuration interface via IE browser is shown as below:

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.



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.



Note:

- 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 RESET 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】

Interface	
100M copper port	1 10/100Base-T(X), RJ45, Automatic Flow Control, Full/Half Duplex Mode, MDI/MDI-X Autotuning
100M fiber port	2 100Base-FX, optional SC/ST/FC; transmission distance, multimode 2km, single mode 20/60/80/100/120km; Wavelength, multimode 1310nm, single mode 1310nm/1550nm
CAN-Bus	2 CAN-Bus interfaces adopt 4 pins terminal blocks

Indicator	Power indicator, running indicator, copper port indicator, fiber port indicator, CAN indicator, CAN error indicator
Power Supply	
Input power supply	12~48VDC
Access terminal block	3-pin 5.08mm pitch terminal blocks
Power Consumption	
No-load	2.3W@12VDC (normal temperature), 2.4W@12VDC(high temperature)
Full-load	2.4W@12VDC (normal temperature), 2.5W@12VDC(high temperature)
Working Environment	
Working temperature	-40°C~75°C
Storage temperature	-40°C~85°C
Working humidity	5%~95% (no condensation)
Protection grade	IP40 (metal shell)