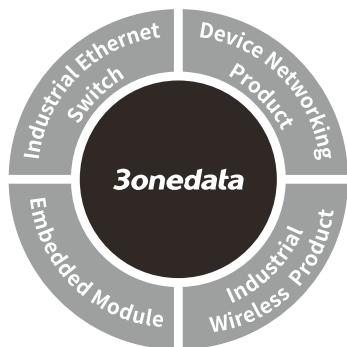


ICP222-2F-2CI CAN Server Quick Installation Manual



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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. CD |
| 5. Quick installation manual | 6. Warranty card |

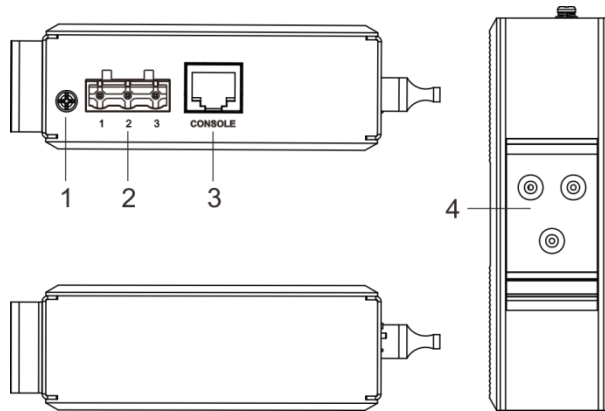
If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.

【Product Overview】

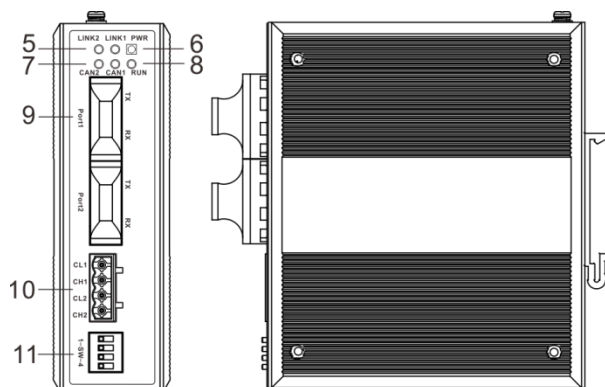
This product is an industrial CAN device networking server. The model is ICP222-2F-2CI (2 CAN-Bus + 2 100M fiber ports).

【Panel Design】

➤ Top view, bottom view and rear view



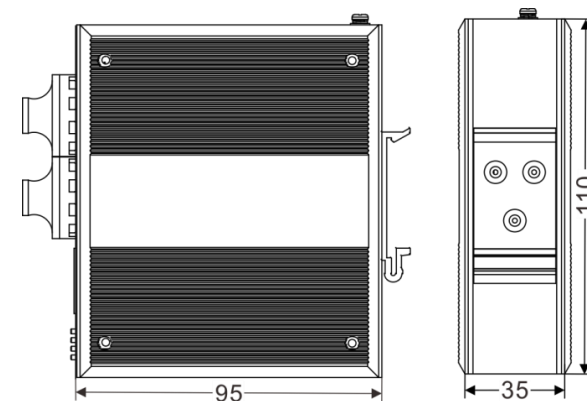
➤ Front view and side view



1. Grounding screw
2. Power supply input terminal block
3. Console port
4. DIN-Rail mounting kit
5. Fiber port connection status indicator
6. Power supply connection status indicator
7. CAN interface status indicator
8. Device running status indicator
9. 100M fiber port
10. CAN-Bus interface
11. DIP switch

【Mounting Dimension】

Unit: mm



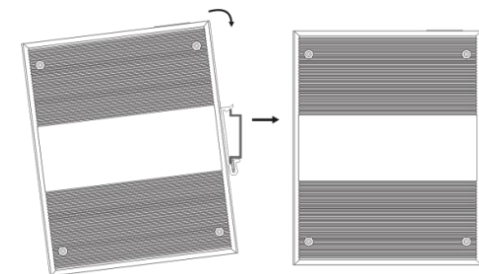
Note before mounting:

- 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】

➤ Install the device

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



Step 1 Check if the DIN-Rail mounting kit 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 products is firmly installed on DIN-Rail, then mounting ends.

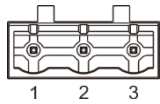
➤ **Disassemble the device**

Step 1 Device power off.

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.

【Power Supply Connection】

➤ **12~48VDC power supply input**



The device provides 3 pins power supply input terminal blocks and supports 1-way DC power supply input which supports nonpolarity, the device can work normally after reverse connection. Power supply range: 12~48VDC. The pin definition as follows:

Pin NO.	1	2	3
Pin definition	Power supply “-” input	Protective grounding	Power supply “+” input



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, remove the power plug, and then remove the wiring section of terminal block. Please pay attention to the above operation sequence.

【DIP Switch Setting】



The device provides 4 pins DIP switch for function setting, in which “ON” is the enabled end.

DIP switches definition as follows:

DIP	Definition	Operation
1	CAN1 terminal	Set the DIP to ON

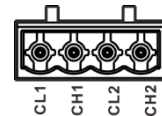
	resistance	
2	CAN2 terminal resistance	Set the DIP to ON
3	Reserved	—
4	Restore factory defaults	Set the DIP to ON, power on again, then turn off the DIP

【Console Port Connection】

The device provides 1 channel procedure debugging port based on RS232 serial port, and can conduct device CLI command line management after connected to PC. The interface adopts RJ45 port, the RJ45 pin definition as follows:

Pin NO.	2	3	5
Pin definition	TXD	RXD	GND

【CAN-Bus Interface】



The device provides 2 CAN-Bus interfaces and adopts 4 pins terminal blocks connection. The pin definition as follows:

Pin NO.	Definition
CL1	The first channel CANL signal
CH1	The first channel CANH signal
CL2	The second channel CANL signal
CH2	The second channel CANH signal

【Checking LED Indicator】

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

LED	State	Description
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 (1-2)	ON	Fiber port has established valid network connection

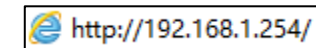
	Blinking	Fiber port is in network active status
	OFF	Fiber port hasn't established valid network connection
CAN (1-2)	ON	CAN-Bus interface working status is normal
	OFF	CAN-Bus interface working status is abnormal
	Blinking	CAN-Bus interface fails

【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 “OK” 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 username and password of the device is “admin”.
- If the username or password is lost, user can restore it to factory settings via device DIP switch 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.

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

【Specification】

Standard	
Standard	IEEE802.3, IEEE802.3u
Protocol	ARP, ICMP, TCP, UDP, DHCP, DNS, HTTP, SW-Ring
Interface	
Fiber port	2 100Base-FX interfaces support SC/ST/FC interface optional
CAN-Bus interface	2 CAN-Bus interfaces adopt 4 pins terminal blocks
Console port	Adopt RS-232 signal and RJ45 connection mode
Indicator	Power supply indicator, running indicator, fiber port indicator, CAN-Bus interface indicator
Power supply	
Input power supply	12~48VDC
Access terminal	3 pins 7.62mm pitch terminal blocks
Consumption	
No-load	2.88W@12VDC
Full-load	3.07W@12VDC
Working environment	