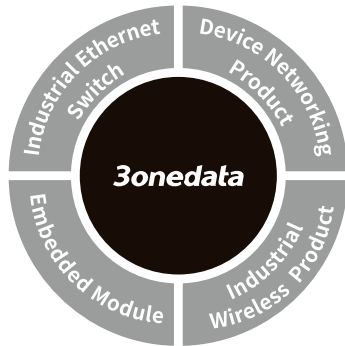


# IMC100-2T1F-1D(3IN1) Industrial Media Converter Quick Installation Guide



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**【Package Checklist】**

Please check whether the package and accessories are intact while using the media converter for the first time

- |  |                             |
|--|-----------------------------|
| 1. Media converter (equipped with terminal blocks) | 2. Quick installation guide |
| 3. DIN-Rail mounting attachment                    | 4. CD                       |
| 5. Certification                                   | 6. Warranty card            |

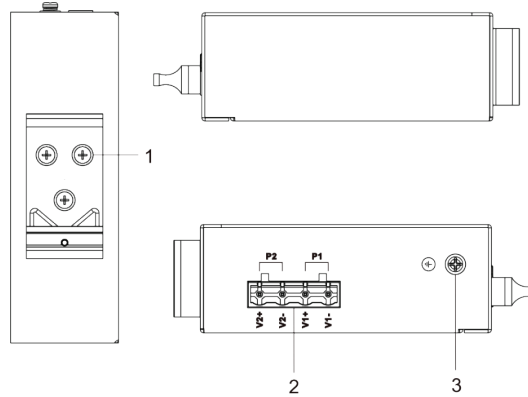
If any of these items are damaged or lost, please contact our company or dealers, we will solve it ASAP.

**【Product Overview】**

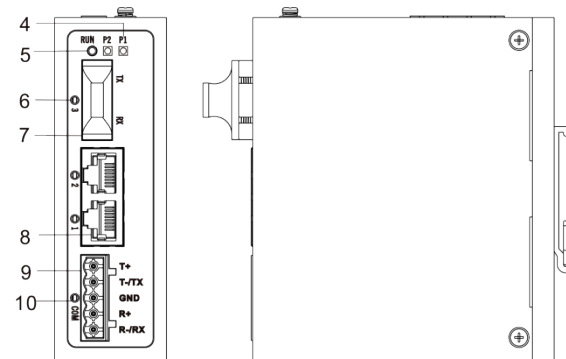
The product is industrial media converter. Its model is: IMC100-2T1F-1D(3IN1) (1 100M fiber port+2 100M copper ports+1 3IN1 serial port)

**【Panel Design】**

➤ **Rear view, top view and bottom view**



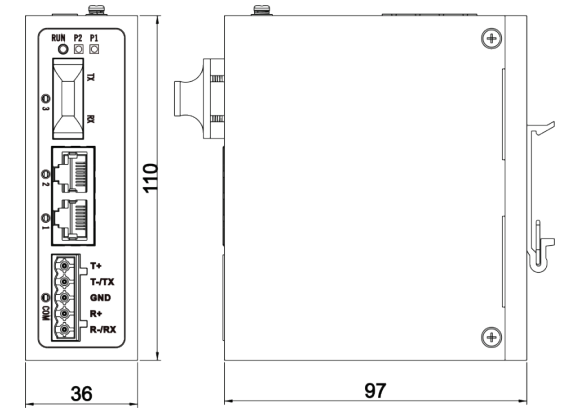
➤ **Front view and side view**



1. DIN-Rail mounting kit
2. Power supply terminal
3. Grounding screw
4. Power supply indicator
5. Running indicator
6. Port indicator
7. 100M fiber port
8. 100M copper port
9. 3IN1 serial port
10. Serial port indicator

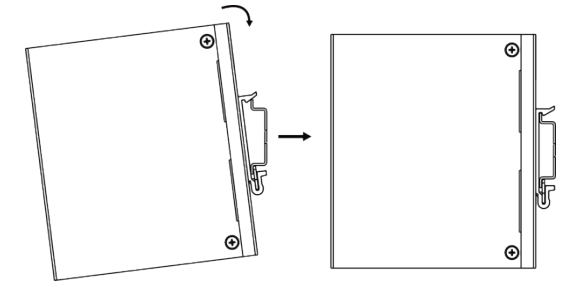
**【Mounting Dimension】**

Unit: mm



**【DIN-Rail Mounting】**

For convenient usage in industrial environments, the product adopts 35mm DIN-Rail mounting, mounting steps as below:



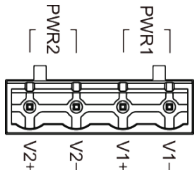
- Step 1 Check if the DIN-Rail mounting kit is installed firmly.
- Step 2 Insert the bottom of DIN-Rail mounting kit (one side with spring support) into DIN-Rail, and then insert the top into DIN-Rail.
- Tips:  
Insert a little to the bottom, lift upward and then insert to the top.
- Step 3 Check and confirm the product is firmly installed on DIN-Rail, then mounting ends.

**【Disassembling DIN-Rail】**

- 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.

**Notice:**

- 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.

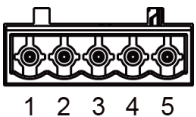
**【Power Supply Connection】****➤ DC power supply**

This device provides 4-pin power supply terminal blocks and 2 independent DC power supply systems, PWR1 and PWR2. This power supply has non-polarity and reverse connection protection.

Power supply range: 9 ~ 70VDC

**Notice:**

- Power ON operation: first connect power line to the connection terminal of device power supply, then power on.
- Power OFF operation: first unpin the power plug, then remove the power line, please note the operation order above.

**【Serial Port Connection】****➤ 3IN1 serial port**

This device provides 3IN1 serial port and supports RS232, RS485 and RS422 at the same time. The interface type is terminal blocks and its pin definitions are

shown in the table below:

PIN	1	2	3	4	5
RS-232	—	TXD	GND	—	RXD
RS-485	D+	D-	GND	—	—
RS-422	T+	T-	GND	R+	R-

**【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	Status	Description
P1	ON	Power supply P1 is connected and running normally
	OFF	Power supply P1 is disconnected and running abnormally
P2	ON	Power supply P2 is connected and running normally
	OFF	Power supply P2 is disconnected and running abnormally
RUN	OFF	Device is not powered on or in an abnormal state
	Blinking	Blinks once per second, device runs normally
1-3	ON	Port has established valid connection
	Blinking	Data is being transmitted
	OFF	Port hasn't established valid connection
COM	ON	Data is being transmitted
	OFF	No data is being transmitted or port is in an abnormal state

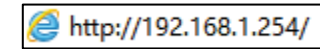
**【Logging in to WEB Interface】**

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

Step 4 Enter device's IP address in the address bar of the

computer browser.



Step 5 Enter device's username and password in the login window as shown below.



Step 6 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.

**【Specification】**

Panel	
100M fiber port	100 Base-FX

100M copper port	10/100Base-T(X)self-adaption, RJ45 port, self-adaptive full/half duplex mode or forced operating mode, supports MDI/MDI-X self-adaption
Indicator	Power supply indicator, running indicator, port indicator, data indicator
<b>Power supply</b>	
Input power supply	9~70VDC Support dual power supply
Terminal blocks	4-pin 7.62mm pitch terminal blocks
<b>Switch property</b>	
Backplane bandwidth	5.6G
Buffer size	4Mbits
MAC address	16K
<b>Power consumption</b>	
No-load	3.00W@24VDC
Full-load	3.24W@24VDC
<b>Operating environment</b>	
Operating temperature	-40~85℃
Storage temperature	-40~85℃
Operating humidity	5%~95% (no condensation)
Protection grade	IP40 (metal housing)