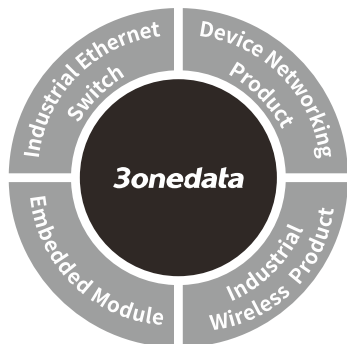


## IMC100M Series Industrial Media Converter Quick Installation Guide



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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 (with 2. Certification wiring terminal block)
3. DIN-Rail mounting 4. Warranty card attachment

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

### 【Product Overview】

This series product are industrial media converters. Models as follows:

Model I. IMC100M-1T1F (1 100M copper ports + 1 100M fiber port)

Model II. IMC100M-2T1F (2 100M copper ports + 1 100M fiber port)

Model III. IMC100M-1GT1GF (1 Gigabit copper port + 1 Gigabit fiber port)

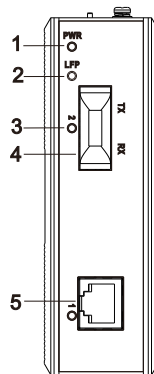
Model IV. IMC100M-1GT1GS (1 Gigabit copper port + 1 Gigabit SFP)

Model V. IMC100M-2GT1GF (2 Gigabit copper ports + 1 Gigabit fiber port)

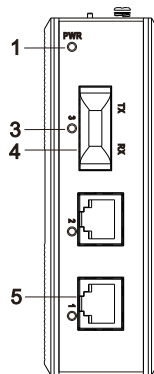
Model VI. IMC100M-2GT1GS (2 Gigabit copper ports + 1 Gigabit SFP)

### 【Panel Design】

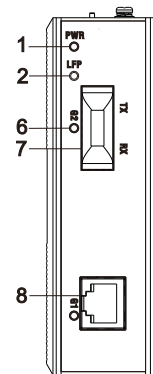
#### ➤ Front View



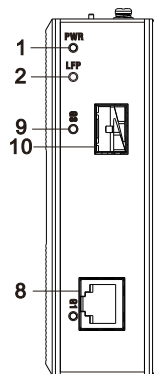
Model I



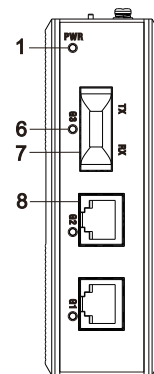
Model II



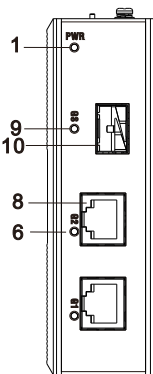
Model III



Model IV



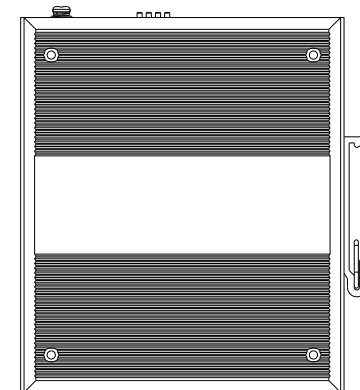
Model V



Model VI

#### ➤ Side View

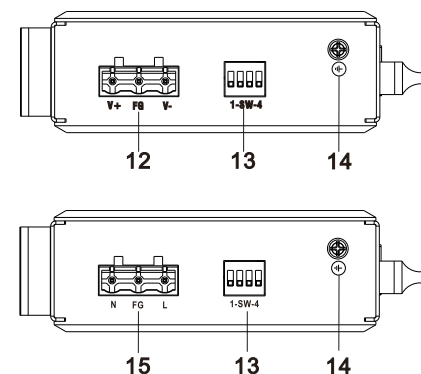
#### ➤ Rear View



#### ➤ Bottom View



#### ➤ Top View

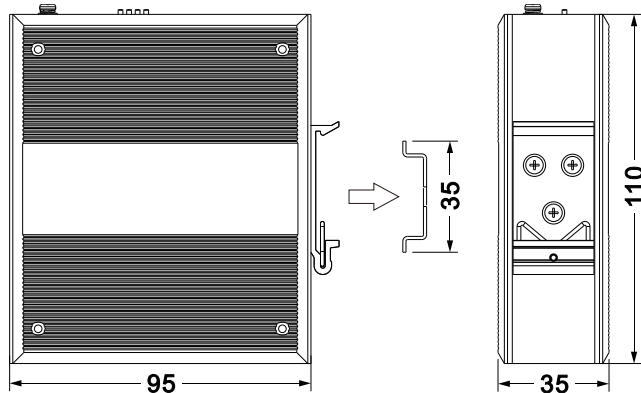


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1. Power indicator
2. LFP indicator
3. 100M interface connection status indicator
4. 100Base-FX fiber port
5. 10/100Base-T(X) copper port
6. Gigabit interface connection status indicator
7. 1000Base-X 1×9 fiber port
8. 10/100/1000Base-T(X) copper port
9. 1000Base-X SFP slot indicator
10. 1000Base-X SFP slot
11. DIN-Rail mounting kit
12. DC power terminal block
13. DIP switch
14. Grounding screw (Protective grounding)
15. AC power terminal block

### 【Mounting Dimension】

Unit: mm

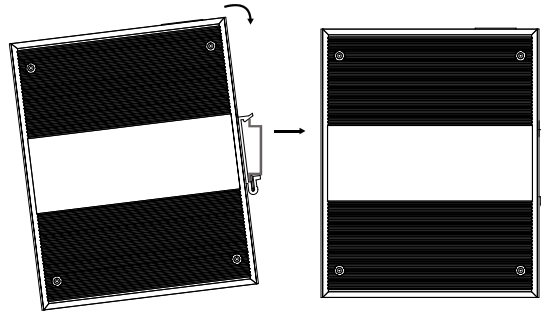


#### Note before mounting:

- 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】

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 product is firmly installed on DIN-Rail, then mounting ends.

### 【Disassembling DIN-Rail】

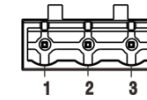
- Step 1 Device power off.
- Step 2 After lift the device upward slightly, first shift out the top of DIN-Rail mounting kit, and then shift out the bottom of DIN-Rail, disassembling ends.



#### Note before powering 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, and then remove the wiring section of terminal block. Please pay attention to the above operation sequence.

### 【Power Supply Connection】



This device provides 3-pin 7.62mm pitch terminal block, which supports non-polarity and anti-reverse connection.



#### Note:

Before connecting to power supply, confirm the power supply type the product supports.

#### ➤ DC power supply

Voltage range: 24VDC (12~48VDC)

The pin definitions of DC power supply are shown as follows:

PIN	1	2	3
Definition	V+	FG	V-

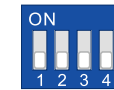
#### ➤ AC power supply

Power supply value: 220VAC

The pin definitions of AC power supply are shown as follows:

PIN	1	2	3
Definition	N	FG	L

### 【DIP Switch Settings】



Provide 4 pins DIP switch for function settings, where "ON" is enable valid terminal. The device needs to be powered on again to change the

status of DIP switch. DIP switches definition as follows:

DIP	ON Status	OFF Status
1	Reserved	
2	Enable flow control function	Disable flow control function
3	Set the device to remote mode. PWR indicator would blink when device is in remote mode.	Set the device to local mode. PWR indicator is on when device is in local mode.
4	Reserved	

### 【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 as below:

LED	Indicate	Description
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LED	Indicate	Description
PWR	ON	The power supply connection is running normally and the device is in local mode.
	Blinking	The power supply connection is running normally and the device is in remote mode.
	OFF	PWR is disconnected and running abnormally
LFP	ON	Fiber port/copper port is not connected or connected abnormally.
	OFF	Fiber port/copper port is connected normally.
LINK (1-3/G1-G3/GS)	ON	Interface has established valid network connection
	Blinking	Interface is in network active status
	OFF	Interface hasn't established valid network connection

Model I, Model II	MAC address: 2K Packet buffer size: 0.75M Backplane bandwidth: 0.8G
Model III, Model IV Model V, Model VI	MAC address: 8K Packet buffer size: 1M Backplane bandwidth: 14G
<b>Power Supply</b>	
Input power supply	<ul style="list-style-type: none"> <li>➤ DC power supply 12~48VDC</li> <li>➤ AC power supply 220VAC</li> </ul> DC support nonpolarity
Access terminal block	3-pin 7.62mm pitch terminal blocks
<b>Power Consumption</b>	
No-load	≤1.47W@24VDC
Full-load	≤1.95W@24VDC
<b>Working Environment</b>	
Working temperature	-40~75℃
Storage temperature	-40~85℃
Working humidity	5%~95% (no condensation)
Protection grade	IP40 (corrugated high-strength metal)

### 【Specification】

Panel	
100M copper port	100/100Base-T(X) self-adaption
100M fiber port	100Base-FX fiber port
Gigabit copper port	10/100/1000Base-T(X) self-adaption
Gigabit fiber port	1000Base-X, 1×9 fiber port
Gigabit SFP Slot	1000Base- X, SFP slot
Indicator	Power supply indicator, LFP indicator, interface connection indicator
Switch Property	