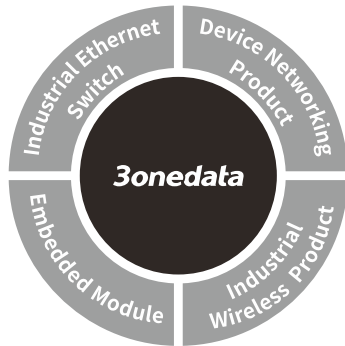


## IMC102GT Series Industrial Media Converter Quick Installation Guide



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

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

### 【Product Overview】

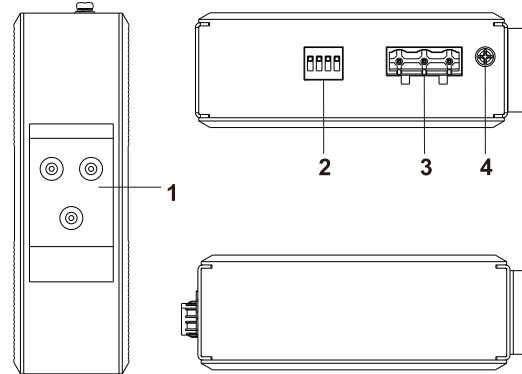
The product is full Gigabit industrial media converter. Models are:

Model I IMC102GT-1GS (2 Gigabit copper ports + 1 Gigabit SFP)

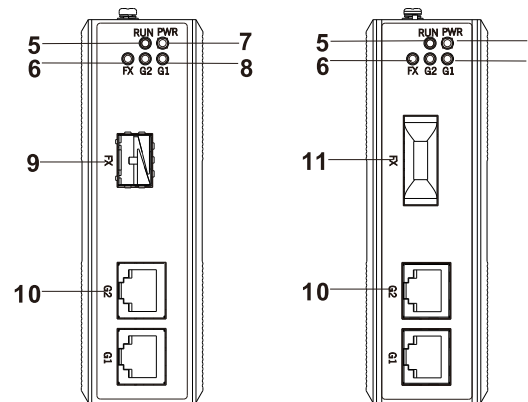
Model II IMC102GT-1GF (2 Gigabit copper ports + 1 Gigabit fiber port)

### 【Panel Design】

#### ➤ Rear view, top view and bottom view



#### ➤ Front view



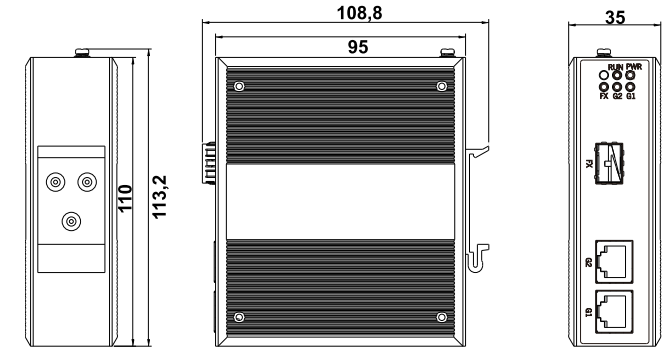
Model I

Model II

1. DIN-Rail mounting kit
2. DIP switch
3. Power supply input terminal
4. Grounding screw (protective ground)
5. Running status indicator
6. Fiber port connection status indicator
7. Power supply indicator
8. Copper port connection status indicator
9. Gigabit SFP fiber port
10. Gigabit copper port
11. Gigabit fiber port

### 【Mounting Dimension】

Unit: mm

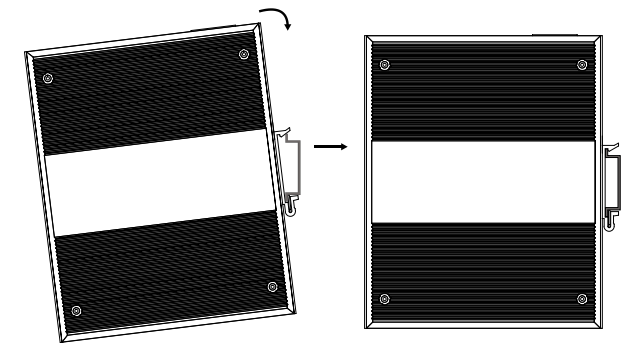


### Note before mounting:

- 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】

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.

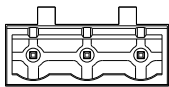


#### Note before powering on:

- 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.

### 【Power Supply Connection】

#### ➤ DC power supply



This device provides 3-pin industrial terminal blocks (1, 2, 3), among which 1 and 3 are 12~48VDC power supply inputs. This power supply supports non-polarity,

it could run normally when reversely connected.

### 【DIP Switch Setting】



Provide 4-bits DIP switch for function setting, where "ON" is enable valid terminal. The definitions of DIP switch as follows:

No.	Definition	Operation
1	Flow control	Set the switch to ON
2	Specified 100M	Set the switch to ON
3	Reserved	-

No.	Definition	Operation
4	Jumbo frame mode	Set the switch to ON

### 【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
RUN	ON / OFF	Device is in an abnormal state
	Blinking	Device runs normally
PWR	ON	Power supply is connected and running normally
	OFF	Power supply is disconnected or running abnormally
LINK(G1)	ON	Copper port G1 has established valid network connection
	Blinking	Copper port G1 is in an active network state
	OFF	Copper port G1 has not established valid network connection
LINK(G2)	ON	Copper port G2 has established valid network connection
	Blinking	Copper port G2 is in an active network state
	OFF	Copper port G2 has not established valid network connection
FX	ON	Fiber port has established valid network connection
	Blinking	Fiber port is in an active network state
	OFF	Fiber port has not established valid network connection

### 【Specification】

Panel	
Gigabit SFP fiber port	1000Base-X, SFP slot
Gigabit copper port	10/100/1000Base-T(X) self-adaption, RJ45 port, self-adaptive full/half duplex mode or specified operating mode, supports MDI/MDI-X self-adaption
Gigabit fiber port	1000Base-X, optional SC/ST/FC
Indicator	Power supply indicator, running indicator, port indicator
Switch property	
Backplane bandwidth	12G
Buffer size	1Mbit
MAC address	1K
Power supply	
Input power supply	DC power supply product 12~48VDC Support non-polarity and anti-reverse connection
Terminal blocks	3-pin 7.62mm pitch terminal blocks
Power consumption	
Model I	No-load: 1.17W @24VDC Full-load: 3.19W @24VDC
Model II	No-load: 1.34W @24VDC Full-load: 2.86W @24VDC
Operating environment	
Operating temperature	-40~75℃
Storage temperature	-40~85℃
Operating humidity	5%~95% (no condensation)
Protection grade	IP40 (metal shell)