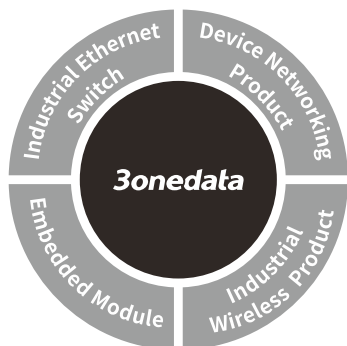


IMC101B-F Series Industrial Media Converter Quick Installation Guide



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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】

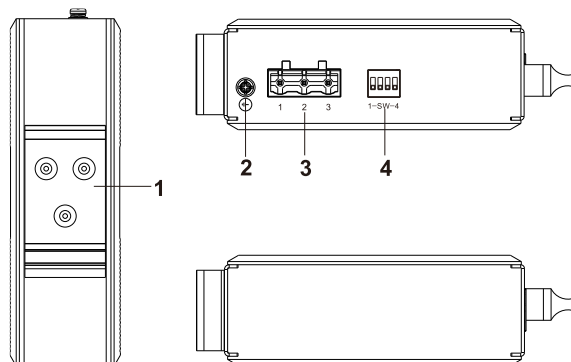
The product is industrial media converter. Models are:

Model I IMC101B-F-P(12~48VDC) (1 100M copper port + 1 100M fiber port + 1 12~48VDC power supply)

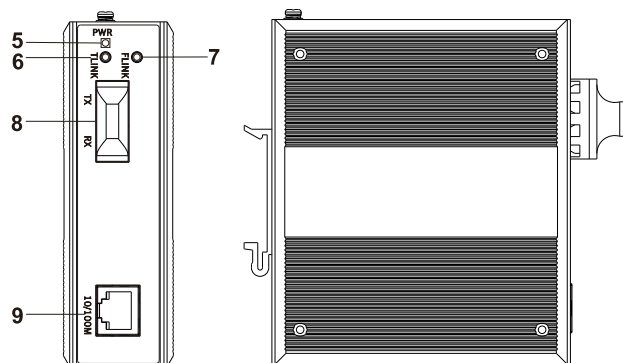
Model II IMC101B-F-P(100~240VAC) (1 100M copper port + 1 100M fiber port + 1 100~240VAC power supply)

【Panel Design】

➤ Rear view, top view and bottom view



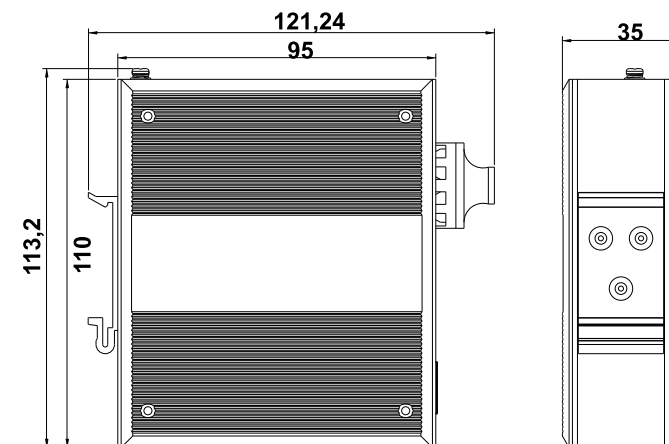
➤ Front view and side view



1. DIN-Rail mounting kit
2. Grounding screw
3. DC power supply input terminal/AC power supply input terminal
4. DIP switch (not for DC product)
5. Power supply indicator
6. Copper port connection status indicator
7. Fiber port connection status indicator
8. 100M fiber port
9. 100M copper port

【Mounting Dimension】

Unit: mm

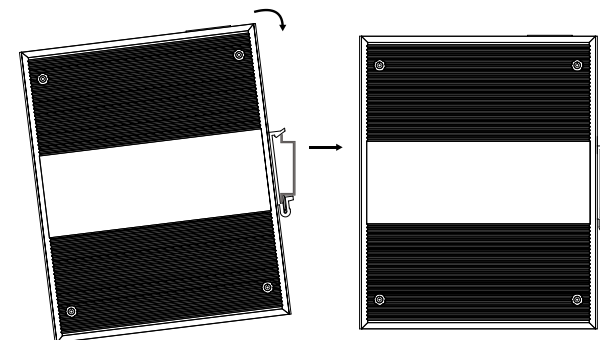


Note before mounting:

- 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.

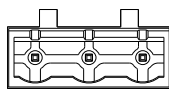


Note before powering on:

- 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.

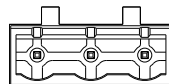
【Power Supply Connection】

➤ DC power supply



The model I 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.

➤ AC power supply



The model II provides 3-pin industrial terminal blocks (1, 2, 3), and its power supply input is 220VAC (100VAC~240VAC).

The terminal blocks are labeled 1, 2 and 3, among which 1 is N, 2 is shell ground and 3 is L.

【DIP Switch Setting】



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

follows:

No.	Definition	Operation
1	Flow control	Set the switch to ON
2	Specified 10M	Set the switch to ON
3	Reserved	-
4	Jumbo frame mode It could implement store and forward of 9720 bytes	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
PWR	ON	Power supply is connected and running normally
	OFF	Power supply is disconnected or running abnormally
TLNK	ON	Copper port is connected properly
	Blinking	Copper port is in an active network state
	OFF	Copper port is not connected or connected abnormally
FLNK	ON	Fiber port is connected properly
	Blinking	Fiber port is in an active network state
	OFF	Fiber port is not connected or connected abnormally

【Specification】

Panel	
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100M copper port	10/100Base-T(X), RJ45 port, automatic flow rate control, full/half duplex mode, MDI/MDI-X self-adaption
100M fiber port	100Base-FX, optional SC/ST/FC
Indicator	Power supply indicator, port indicator
Switch property	
Backplane bandwidth	1.2G
Buffer size	0.5Mbit
MAC address	2K
Power supply	
Input power supply	DC power supply product 12~48VDC Support non-polarity and anti-reverse connection AC power supply product 100~220VAC
Terminal blocks	3-pin 7.62mm pitch terminal blocks
Power consumption	
Model I	No-load: 1.20W@24VDC Full-load: 1.37W@24VDC
Model II	No-load: 1.60W@220VAC Full-load: 1.30W@220VAC
Operating environment	
Operating temperature	Model I: -40~75℃ Model II: -40℃~55℃
Storage temperature	Model I: -40~85℃ Model II: -40℃~55℃
Operating humidity	5%~95% (no condensation)
Protection grade	IP40 (metal shell)