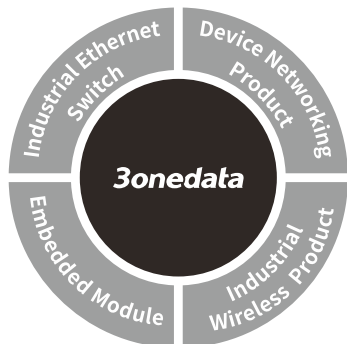


IPMC101 Series Industrial Media Converter Quick Installation Guide



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【Package Checklist】

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

- Media Converter (equipped with terminal blocks)
- Certification
- Quick installation guide
- Warranty card
- DIN-Rail mounting attachment

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

【Product Overview】

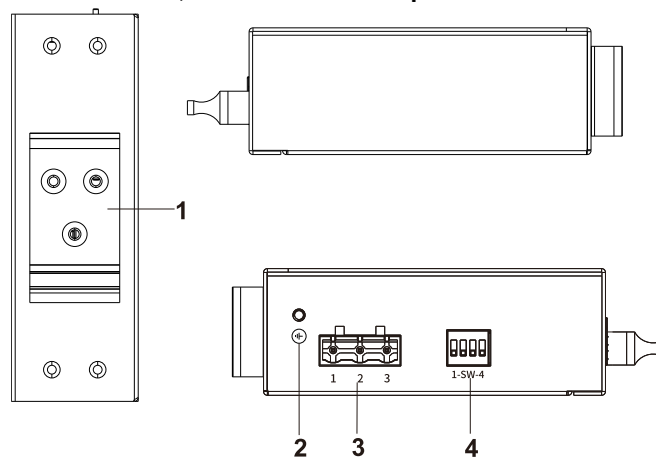
The product is industrial media converter. Its models are as follows:

Model I IPMC101-F-POE (1 100M PoE copper port + 1 100M fiber port)

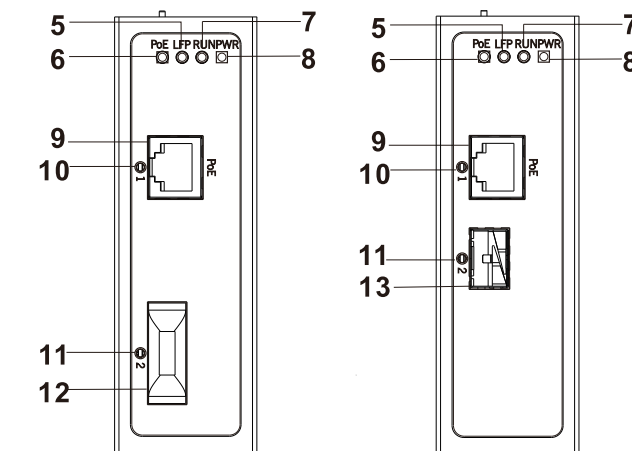
Model II IPMC101-1S-POE (1 100M PoE copper port + 1 100M SFP fiber port)

【Panel Design】

➤ Rear view, bottom view and top view



➤ Front view



Model I

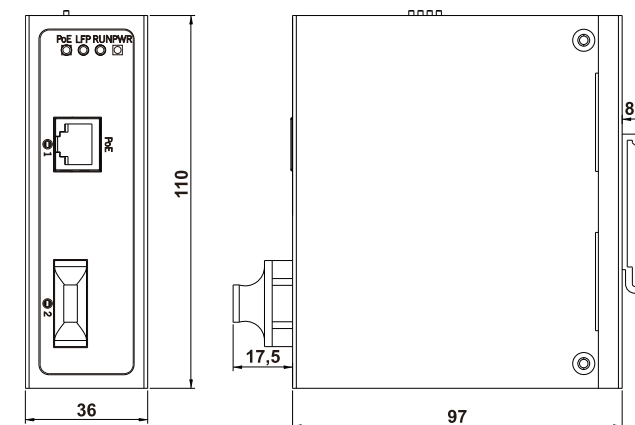
Model II

- DIN-Rail mounting kit
- Grounding screw
- Power supply input
- DIP switch
- Alarm indicator
- PoE port power supply status indicator
- Running status indicator

- Power supply indicator
- 100M PoE copper port
- Copper port connection status indicator
- Fiber port connection status indicator
- 100Base-FX fiber port
- 100Base-FX SFP fiber port

【Mounting Dimension】

Unit: mm

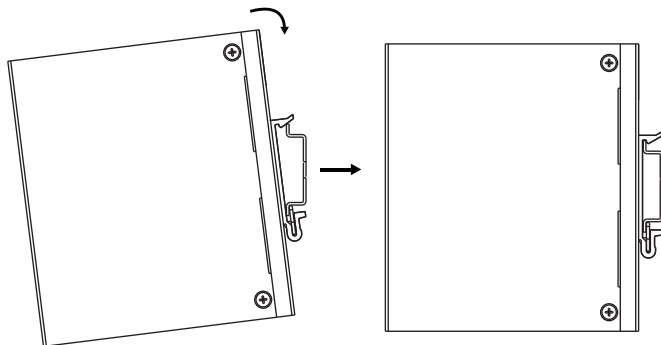


Note before mounting:

- 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.



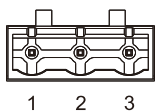
Note before powering on:

- 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 7.62mm pitch terminal blocks. This power supply supports anti-reverse connection.



Power supply range: 48VDC (44~55VDC).

【DIP Switch Setting】



Provide 4-bits DIP switch for function setting, where "ON" is enable valid terminal.

The definitions of DIP switch are as follows:

No.	Definition	Operation
1	Flow control	Set the switch to ON
2	Jumbo frame	Set the switch to ON
3	LFP alarm	Set the switch to ON
4	Reserved	-

【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 as below:

LED	Status	Description
PWR	ON	PWR is connected and running normally
	OFF	PWR is disconnected and running abnormally
RUN	ON/OFF	Device runs abnormally
	Blinking	Device runs normally
PoE	ON	POE port is powering other devices
	OFF	POE port is not powering other devices
1	ON	Copper port has established valid connection
	Blinking	Copper port is in an active network status
	OFF	Copper port hasn't established valid connection
2	ON	Fiber port has established valid connection
	Blinking	Fiber port is in an active network status
	OFF	Fiber port hasn't established valid

		connection
LFP	ON	Fiber/copper port is not connected or connected abnormally
	OFF	Fiber/copper port is connected normally

【Specification】

Panel	
100M copper port	10Base-T/100Base-TX self-adaption
100M fiber port	100Base-FX, optional SFP or SC/ST/FC interface
PoE	Maximum power of PoE port: 30W PoE power supply pin: V+, V+, V-, V- correspond to 1, 2, 3, 6
Indicator	Power supply indicator, remote alarm indicator, fiber port connection status indicator, copper port connection status indicator, running indicator
Switch property	
100M forwarding speed	148810pps
Buffer size	1K
MAC address	2K
Power supply	
Input power supply	DC power supply 48VDC Support anti-reverse protection
Access terminal	3-pin 7.62mm pitch terminal blocks
Power consumption	
Model I	No-load: 1.63W@48VDC Full-load: 18.39W@48VDC
Model II	No-load: 1.97W@48VDC Full-load: 18.62W@48VDC
Operating environment	
Operating temperature	-40~75℃

Storage temperature	-40~75℃
Operating humidity	5%~95% (no condensation)
Protection grade	IP40