3onedata
Make network communication more reliable

MODEL1100 Series
100M Ethernet Media Converter
Quick Installation Guide

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【Packet List】

Please check the integrity of package and accessories while first using the product.

1	Media converter X1 (with wiring terminal block)	2	5VDC power adapter or 220VAC power line ×1 (-48VDC none)
3	Wall Mounting lug	4	Warranty card
5	Certification		

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

【Product Overview】

This series of products are 100M Ethernet media converters. Models as follows:

Model I MODEL1100-5VDC (1 100M copper port + 1 100M 1×9 fiber port, 1 external 5VDC power supply)

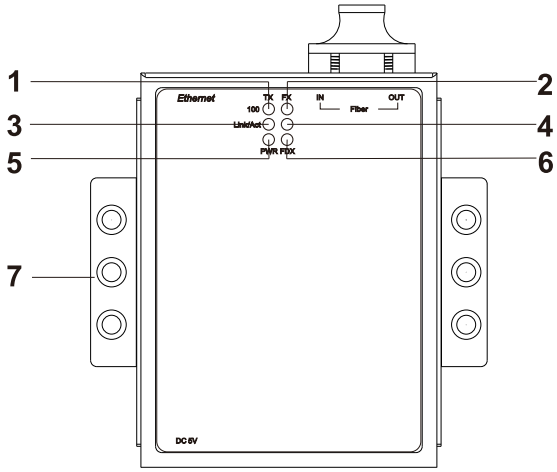
Model II MODEL1100-S-5VDC (1 100M copper port + +1 100M SFP slots + 1 5VDC power supply)

Model III MODEL1100-220VAC (1 100M copper port + 1 100M 1×9 fiber port, 1 built-in 220VAC/DC power supply)

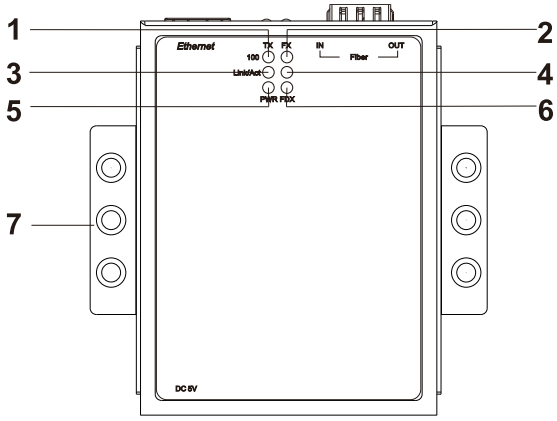
Model IV MODEL1100-48VDC (1 100M copper port + 1 100M 1×9 fiber port, 1 built-in -48VDC power supply)

【Panel design】

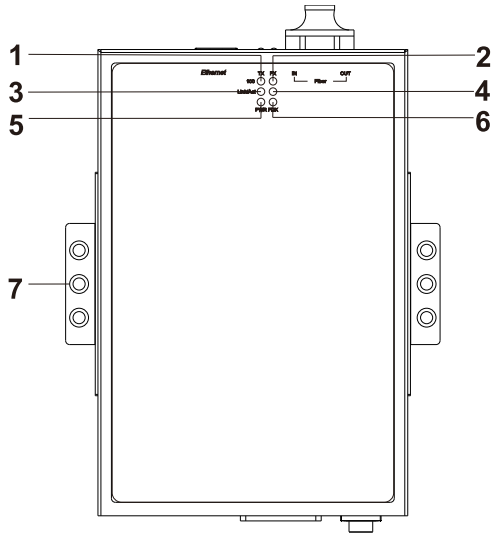
➢ **Front View**



Model I

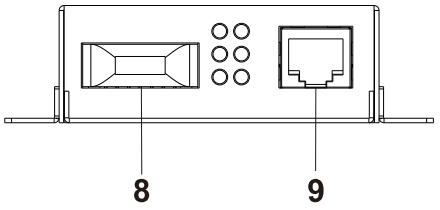


Model II

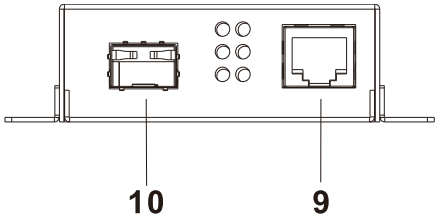


Model III Model IV

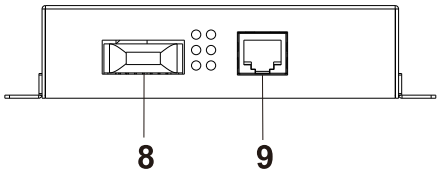
➢ **Top view**



Model I

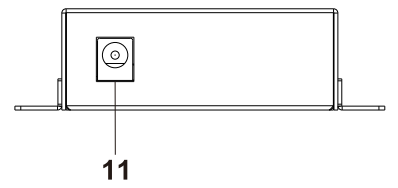


Model II

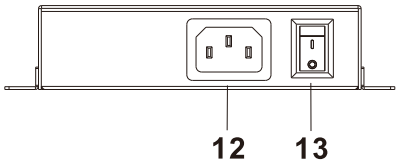


Model III Model IV

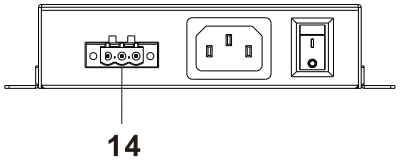
➢ **Bottom view**



Model I Model II

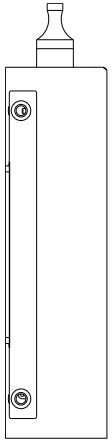


Model III

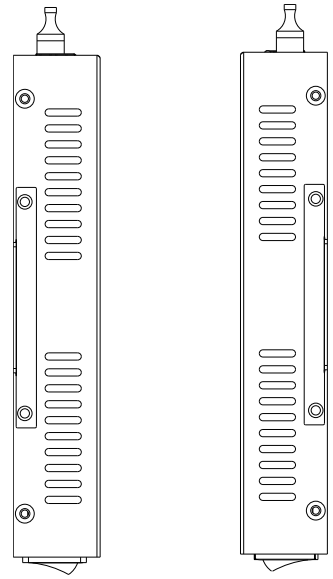


Model IV

- **Side view**



Model I Model II

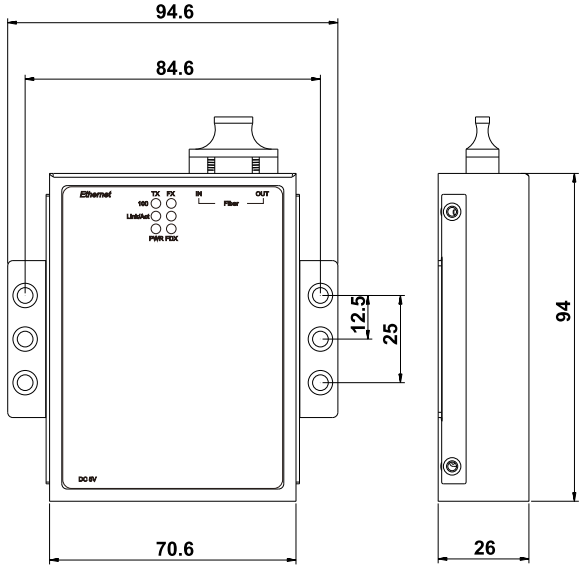


Model III Model IV

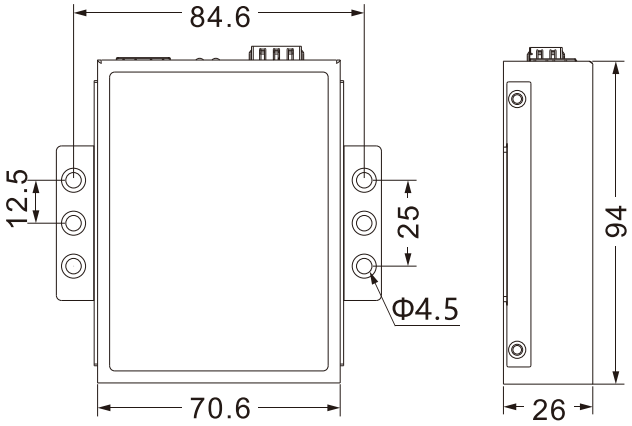
1. Copper port speed status indicator
2. 1×9 fiber port/SFP module speed status indicator
3. Copper port connection status indicator
4. 1×9 fiber port/SFP module connection status indicator
5. Power indicator
6. Copper port operating mode indicator:
7. Lugs
8. 100M 1×9 fiber port
9. 100M copper port
10. 100M SFP slot
11. External DC round head power input terminal block
12. AC power supply socket
13. AC power supply socket switch
14. Built-in power input terminal block

【Mounting Dimension】

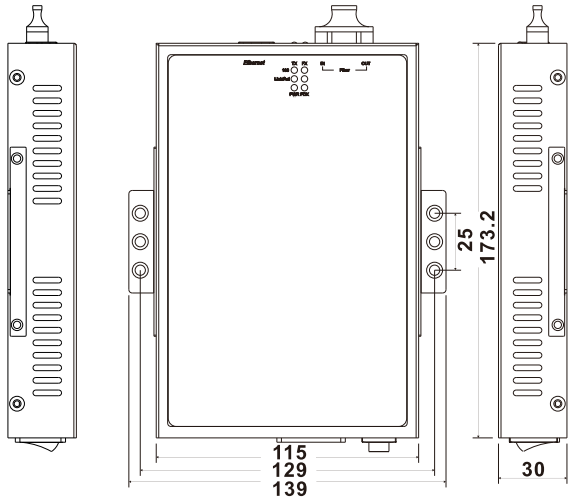
Unit: mm



Model I



Model II



Model III Model IV

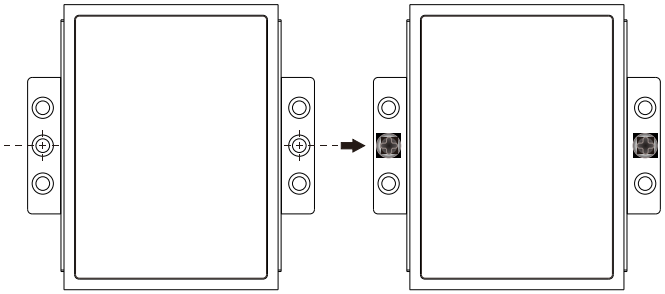
Note Before Mounting:

- 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.

【Wall-mounted Device Mounting】

Step 1 Place the device on the wall as reference or reference installation dimension; mark 2 bolt positions on the wall.

Step 2 Hang the CAN server on the labeled wall; align the bolt to the labeled position, then screw the bolt to enhance stability, installation ends.



【Wall-mounted Device Disassembling】

Step 1 Device power off.

Step 2 Hold the equipment steady and unscrew the screw on the wall

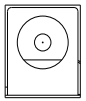
Step 3 Take out the device, disassembling ends.

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.

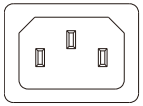
【Power Supply Connection】

➢ **External 5VDC power supply**



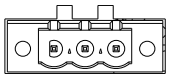
Model I and model II provides external 5VDC power supply, DC round head.

➢ **Built-in 220VAC/DC power supply**



Model III provides built-in 220VAC power, AC socket with switch, power range: 100~240VAC/DC.

➢ **Built-in 48VDC power supply**



Model IV provides 3-pin 5.08mm pitch terminal block for power input, built-in -48DC power supply.

【Checking LED Indicator】

The device provides LED indicators to monitor the device working status for troubleshooting; the function of each LED is described in the table as below:

LED	Indicate	Description
PWR	ON	Power supply PWR is connected and running normally
	OFF	Power supply PWR is disconnected or running abnormally
Link/Act （TX）	ON	Copper port has established an active network connection.
	Blinking	Copper port is in a network activity state.
	OFF	Copper port has not established an active network connection.
Link/Act （FX）	ON	1×9 Fiber port/SFP module has established valid network connection
	Blinking	1×9 Fiber port/SFP module is in network active status
	OFF	1×9 Fiber port/SFP module has not established valid network connection
100（TX）	ON	The copper port speed is 100Mbps
	OFF	The copper port speed is 10Mbps or not working
100（FX）	ON	1×9 fiber port/SFP module speed is 100Mbps
	OFF	1×9 fiber port/SFP module is not working
FDX	ON	The copper port is in full duplex mode
	OFF	The copper port is in half duplex mode

【Specification】

Panel	
100M Copper Port	10Base-T/100Base-TX self-adaption
100M 1×9 fiber port	100Base-FX,1×9 fiber port, SC/ST/FC optional
100M SFP slot	100Base-FX, SFP slot, support SFP module
Indicator	Power indicator, fiber port/SFP speed status indicator, copper port speed status indicator, fiber port/SFP connection status indicator, copper port connection status indicator, copper port duplex mode indicator
Power supply	
Model I Model II	External 5VDC power supply, DC round head
Model III	Built-in 220VAC (100~240VAC/DC) power supply, AC socket with switch
Model IV	Built-in -48VDC power supply, 3-pin 5.08mm pitch terminal blocks
Working environment	
Working temperature	-10～60℃
Storage temperature	-20～70℃
Working humidity	5%～95% (no condensation)
Protection grade	IP30