3onedata
Make network communication more reliable

MODEL1200 Series
100M Ethernet Media Converter
Quick Installation Guide

3onedata Co., Ltd.

Address: 3/B, Zone 1, Baiwangxin High Technology Industrial Park, Xili, Nanshan District, Shenzhen

Website: www.3onedata.com

Tel: +86 0755-26702688

Fax: +86 0755-26703485

【Packet List】

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

1 Media Converter 2 Certificate

3 Wall Mounting lug x 2 4 Warranty card

5 5VDC power adapter or 220VAC power line (not for -48VDC)

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

【Product Overview】

This series are 100M Ethernet Media Converters. For convenience, the products of this series adopt the following number on the left in this guide, please affirm the number of your product.

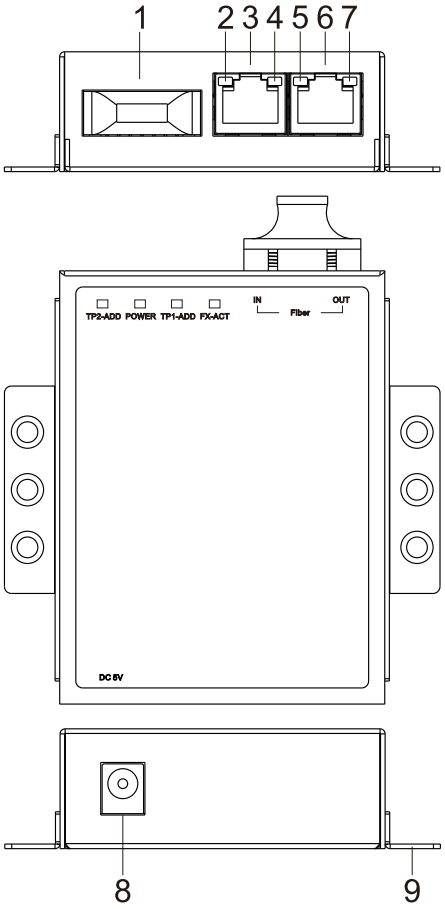
Model I. MODEL1200-5VDC (2 100M copper ports + 1 100M fiber port, external 5VDC power supply)

Model II. MODEL1200-220VAC (2 100M copper ports + 1 100M fiber port, built-in 220VAC/DC power supply)

Model III. MODEL1200-48VDC (2 100M copper ports + 1 100M fiber port, built-in -48VDC power supply)

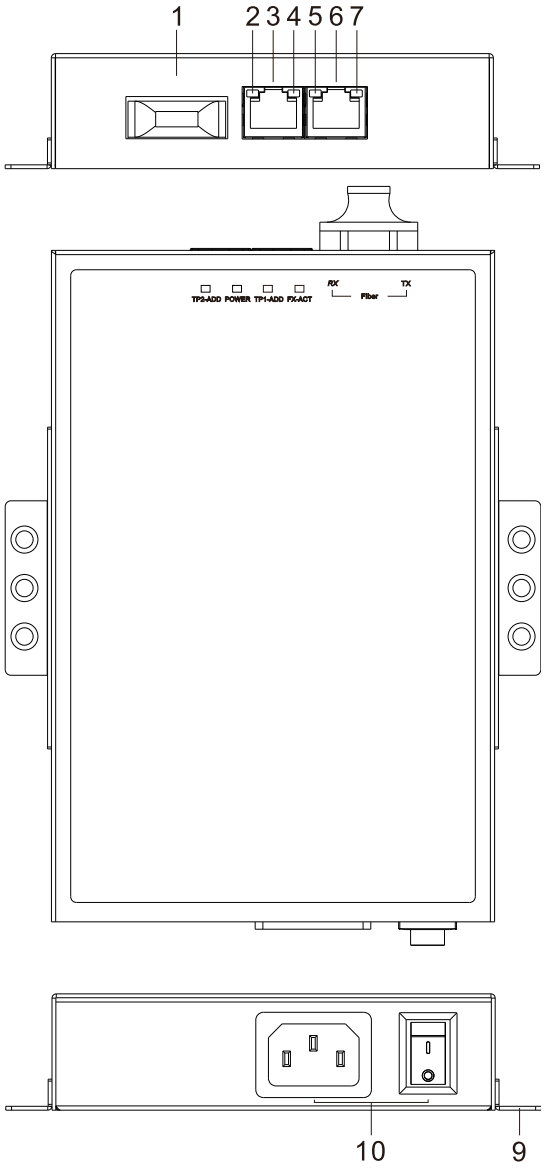
【Panel Design】

➢ **Rear view, Top view and Front view (external power supply)**

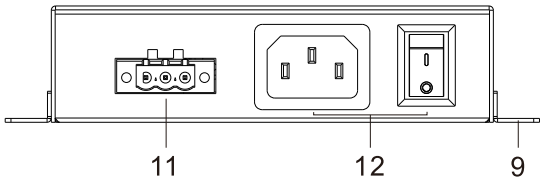


Model I

➢ **Rear view, Top view and Front view (built-in power supply)**



Model II



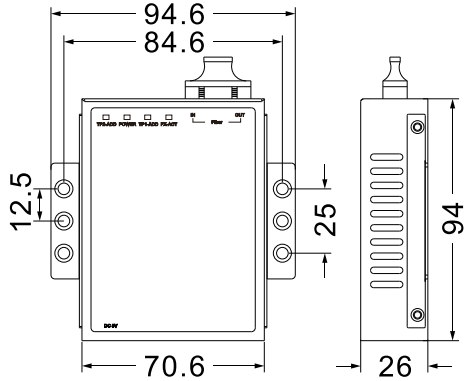
Model III

1. 100M Ethernet fiber port
2. 100M Ethernet fiber port indicator (FX-ACT)
3. 10M/100M Ethernet copper port TP1
4. 10M/100M Ethernet copper port indicator (TP1-ADD)
5. Power supply indicator (POWER)
6. 10M/100M Ethernet copper port TP2
7. 10M/100M Ethernet copper port indicator (TP2-ADD)
8. 5VDC Terminal block for power input
9. Wall Mounting lug
10. 220VAC/DC power input outlet and switch
11. Terminal block of -48VDC power supply input
12. Reserved

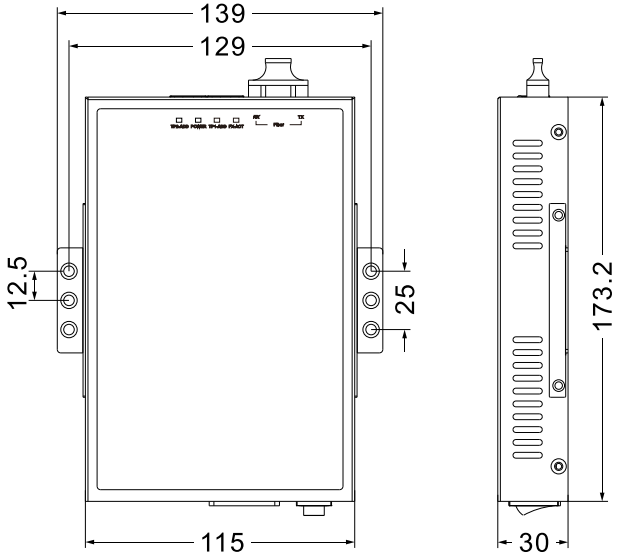
【Mounting Dimension】

Unit: mm

- **Model I**



- **Model II Model III**



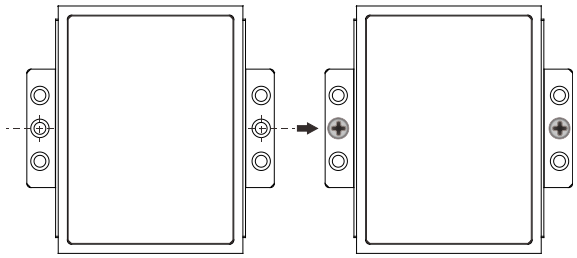
Note Before Mounting:

- 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 device 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】

- **5VDC power supply**

Model I provides 1 DC round head for power supply input and support 5VDC power supply.

- **220VAC/DC power supply**

Model II provides 1 AC outlet with switch for power supply input and support 220VAC/DC power supply.

- **-48VDC power supply**

Model III provides 3 5.08mm pitch terminal block for power input, supports -48DC power supply. The pin definition as follows:

PIN	1	2	3
Definition	GND	-48VDC+	-48VDC-

【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
FX-ACT	ON	Fiber port has established valid network connection
	Blinking	Fiber port is in network active status
	OFF	Fiber port hasn't established valid network connection
TP1/2-ADD	ON	Copper port has established an active network connection.
	Quick blinking	Copper port is in 100M network status
	Slow blinking	Copper port is in 10M network status
	OFF	Copper port has not established an active network connection.
POWER	ON	PWR is connected and running normally
	OFF	PWR is disconnected and running abnormally

【Specification】

Panel	
100M fiber port	100Base-FX, optional SC/ST/FC fiber port
100M copper port	10/100 Base-T(X) self-adapting RJ45 port, full duplex or half duplex self-adapting, support MDI/MDI-X self-adapting
Indicator	Power supply indicator, fiber port indicator, copper port indicator
Power supply	
Model I	External power supply: 5VDC, DC round head
Model II	Built-in power supply: 220VAC/DC, AC outlet with switch
Model III	Built-in power supply: -48VDC 3-pin 5.08mm pitch terminal blocks
Power consumption	
Full-load	≤4W
Working environment	
Working temperature	-10~60℃
Storage temperature	-20~70℃
Working humidity	5%~95% (no condensation)

【Disposal of Waste Electrical and Electronic Equipment (WEEE 2012/19/EU)】

(Applicable in the EU-member states)



The crossed-out wheeled bin symbol on the equipment or its packaging indicates that the product, at the end of its service life, shall not be mixed with unsorted municipal waste but should be collected separately, in accordance with local laws and regulations.

A proper separate collection of end-of-life equipment for the subsequent recycling, treatment and environmentally compatible disposal, will help prevent potential damage to the environment and human health, facilitating the reuse, recycling and/or recovery of its component materials.

Private users should contact their vendor or municipal waste management service and ask for disposal information.

Professional users should contact their suppliers and check the terms of their selling agreement.

This product must not be disposed of with other commercial waste.

Users' cooperation in the correct disposal of this product will contribute to saving valuable resources and protecting the environment.