

PoE Device Product User Guide

Packing List

- ◆ PoE injector/PoE extender/ PoE splitter (1 PC)
- ◆ Installation kit (1 Set)
- ◆ Power adapter/AC power line (1 set, only for PoE injector)
- ◆ User guide (1 PC)
- ◆ Warranty card (1 PC)

First, Safety Precautions

- To ensure the safety of people and equipment, when installing, operating, and maintaining the equipment, follow the signs on the equipment and the safety precautions described in the manual. “Warnings” and “notes” in this manual do not represent all safety precautions that should be followed, and are only supplementary to safety precautions.
- When carrying out various operations of our equipment, we must strictly observe the relevant equipment precautions and special safety instructions provided by ONV company. The "safety warnings" listed in the manual only reflect the requirements of ONV company. The safety requirements have not been reflected, and ONV company will not bear any responsibility for the loss caused by the violation of the general safety operation requirements or the violation of the design production and use equipment safety standards.

Description

- The figures in this document are for reference only. The appearance of the device is subject to actual delivery.
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Second, the installation environment requirements

- Desktop, wall-mounted, and 19”in racked mounted.
- The temperature and humidity of the installation site must be kept within the normal working range. For the normal working temperature range and relative humidity range of PoE device products, please refer to the data sheet.
- Grounding is an important step in the installation process. The correct connection of the grounding cable is an important guarantee for the switch's lightning protection, high-voltage surge protection, interference protection, and static electricity damage.

Third, lightning protection requirements

- Do not use outdoor overhead wiring. The equipment may be damaged by lightning. Please use buried or steel pipe wiring.
- The fiber media converter must be grounded before turning on the power to ensure that the grounding resistance of the installation environment does not exceed 10Ω , otherwise the equipment may be damaged.

Fourth, product installation

Installation instructions

- ◆ Please select a suitable installation location or cabinet according to the installation method of the PoE injector, PoE extender, and PoE splitter. (Rack-mounted installation for national standard 1U/19 inch cabinet)
- ◆ When installing the PoE injector, PoE extender, and PoE splitter, you need to use the matching mounting ear accessories and screws.

- ◆ Please wear protective gloves when installing.
- ◆ It is forbidden to install the PoE injector with power on.

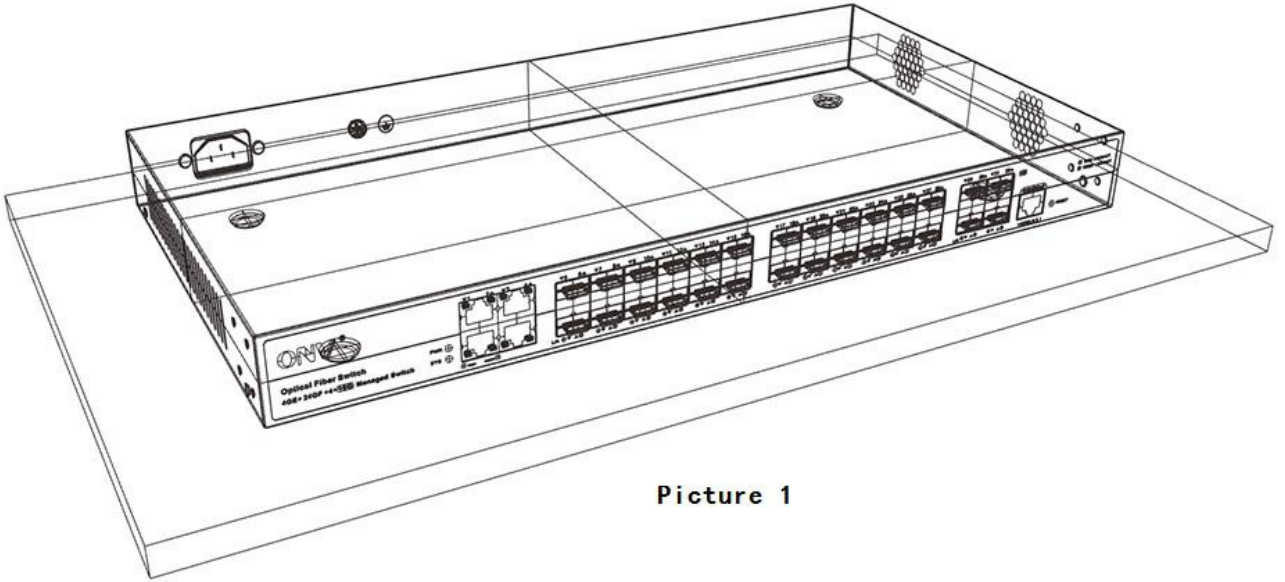
Installation preparation tool

- ◆ Labor protection gloves
- ◆ Plum screwdriver
- ◆ Flat screwdriver

Installation steps

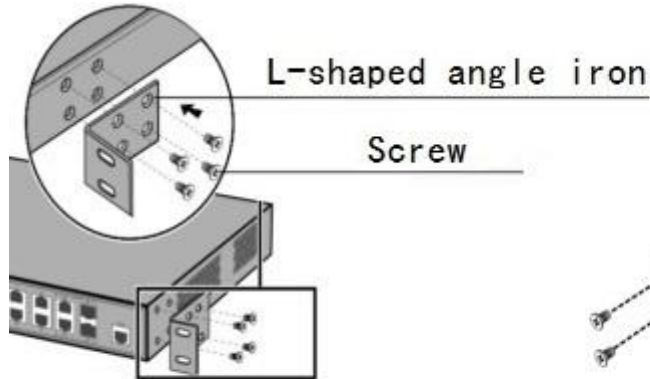
■ Desktop installation

Step 1: As shown in picture 1, lay the PoE injector flat on the desktop, and ensure that at least 10cm of space is reserved on both sides of the vent of the PoE injector so that the PoE injector can be well ventilated and cooled.

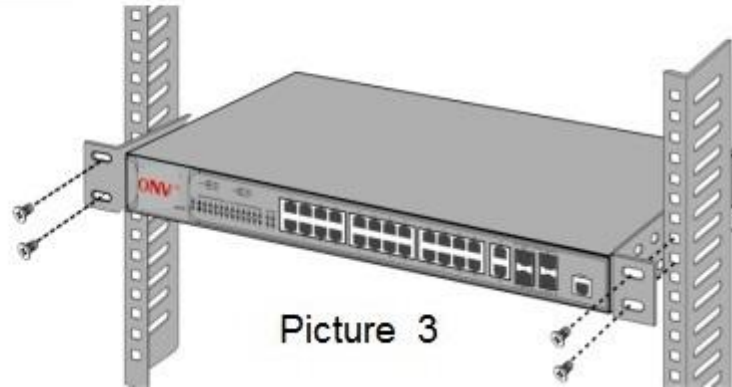


Picture 1

■ Rack-mounted installation



Picture 2



Picture 3

Step 1: As shown in picture 2, first fix the brackets on both sides of the machine with screws.

Step 2: As shown in picture 3, put the machine into a suitable position in a standard 19-inch cabinet, and then fix it on the rack.

Fifth, Connect product

- PoE injectors can be directly connected to the PoE product power line or power adapter.
- The PoE extender PD port is directly connected to the front-end switch, and the power supply end is connected to the PoE electrical equipment (if installed outdoors, it must be waterproofed).
- PoE splitter/ PoE splitter cable is bundled with electrical equipment or connected nearby.
- The grounding cable needs to be prepared by the user and connected properly to ensure that the transceiver meets the requirements for safe use.

PoE injector connection diagram



PoE extender connection diagram



PoE splitter/ PoE splitter cable connection diagram





- Before installing or removing the PoE injector or power supply line, the power must be disconnected, and live operation is prohibited to avoid personal injury.
- Ensure that the protective ground wire of the equipment is effectively grounded. All power cables must not have metal parts exposed in the air.

Sixth, check after installation

- Check whether the mounting parts (hanging ears) are firm and whether the screws are tightened.
- Check whether the polarity of all cable connections is correct, whether the connection is firm and reliable, and ensure that there is no short circuit.
- Check whether there are screw holes without screws and whether the screws of each module are firm.
- Power on and check. Whether the industrial switch has completed the self-check process normally, and whether the indicator of the connected port is normal.

Seventh, indicator and button function table

Symbol	Indicator Function	State	Description	Colour
PWR	Work indicator	On	Normal	Green
		Off	Switch no power supply or failure	
PoE	PoE	On	Normal power supply	Green
		Blink	PD device failure or power overload	
		Off	No connected PD or PoE power off	
Link	Network	On	Link is ok	Yellow
		Blink	The link port is receiving/sending data	
		Off	Link failure or port failure	
DC	DC power	On	Voltage output is normal	Green

	(PoE splitter/ PoE splitter cable)	Blink	The connection load is too large	
		Off	No output from DC power supply or port failure	

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