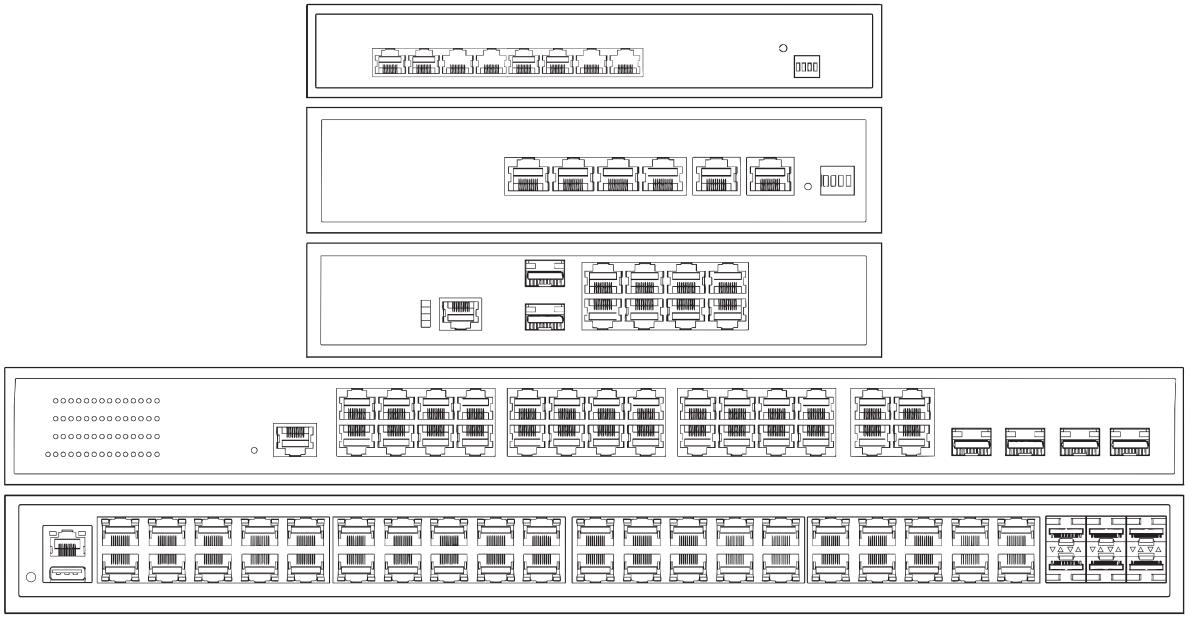
Ethernet Switch

Quick start Guide



1. Description

The products described in this manual, including but not limited to the products shown, please refer to the actual product purchased. If there are any changes in the appearance of the product and the packing list, please refer to the official product information.

2. Packing list

- Device (Specific model number refer to the product label)
- Power cord (For devices with built-in power modules)
- Power adaptor (For external power products)
- Lugs, screws (Standard rack models only)
- User manual
- Certificate of conformity

3. Switch Installation

The switch supports a variety of installation methods, desktop, rack mount, please install according to the actual environmental requirements.

Rack type switch installation instructions:

1. Place the device in the cabinet;
2. Lugs on each end of the device aligned with the hole bars;
3. Screw mounting.

Rack mounting, as shown in following figure:

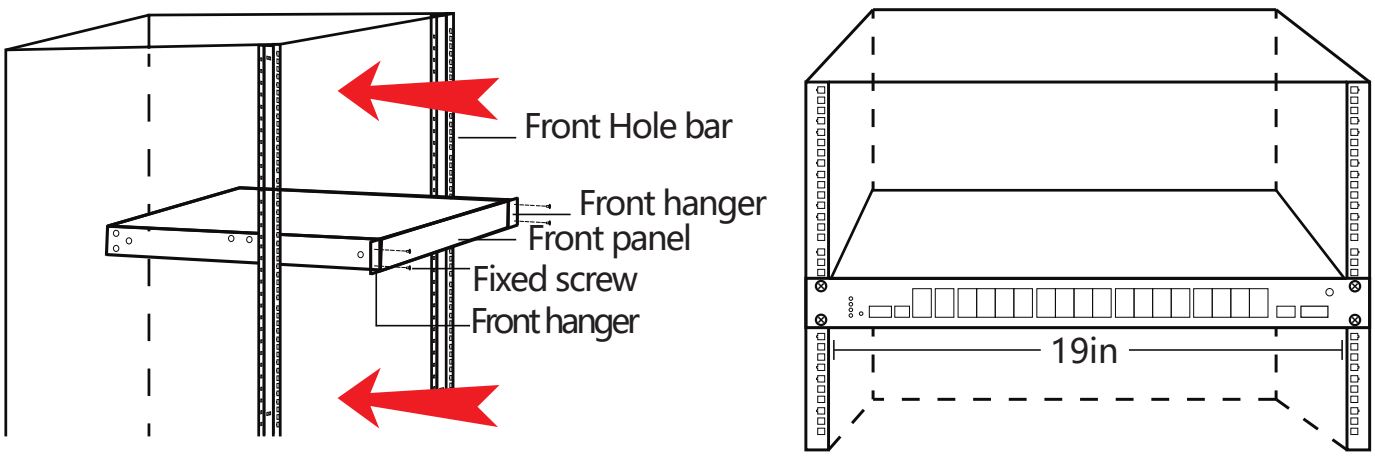


Figure 1-2

Please pay attention to the direction of the switch during installation.

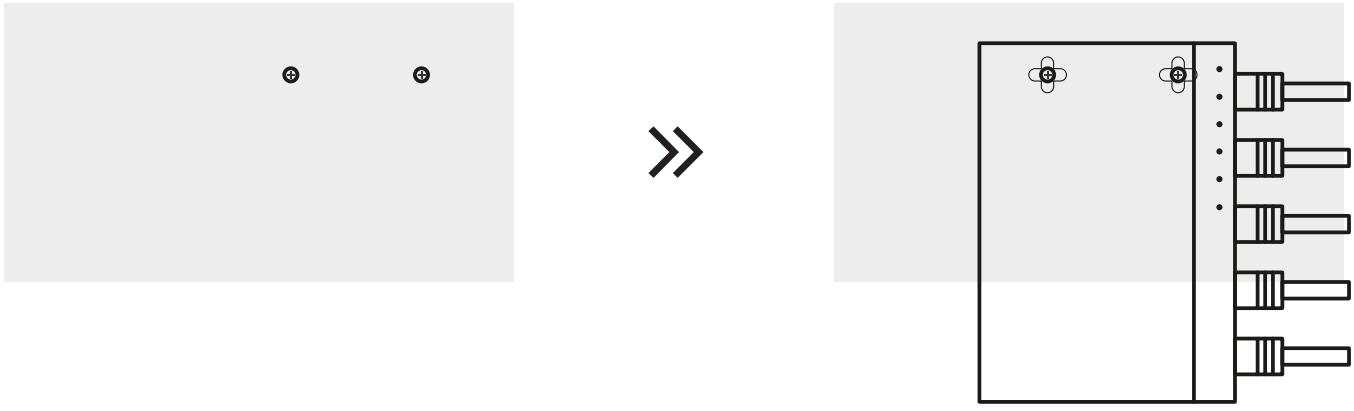
Desktop type switch installation instruction:

The switch can be placed directly on a smooth, flat and secure desktop. Ensure that the working environment has enough space for ventilation and heat dissipation. And the following two points should be noted.

1. Ensure that the physical surface of the switch can withstand a weight of 3 kg or more;
2. Ensure that there is a space distance of 3cm ~ 5cm around the switch, and prohibit heavy objects from being placed on the switch.

Wall Mounting Instructions:

1. Fix the screws on the wall;
2. Place the wall mounting holes on the unit against the screws.



4. Device Connecting

Network Cable

1. When the RJ45 port is 100M rate, use Cat5 and above network cable.
2. When the RJ45 port is 1000M rate, use Cat5E and above network cable.
3. When the RJ45 port is 2.5G rate, use Cat5E and above network cable.
4.When the RJ45 port is 5G rate, use Cat5E and above network cable.
5.When the RJ45 port is 10G rate, use Cat6A and above network cable.

Optiacl Fiber

1. Fiber must be used with optical modules.
2. The bending radius of the optical fiber cannot be less than 40mm.

Power Cable

1. The distance between the power cord and the network cable should be more than 10cm.
2. Please use AC power cord for AC power supply.

5. Login management

This content applies only to the network management type of product, please read this help information for first time application.

Web Management

1. Connect the device and the PC to ensure that the device initialization is complete.
2.Configure the PC's IP address to be on the same network segment as the switch's default IP address.
3.Enter address "http://192.168.1.168" in PC browser, and for Light Management Switch address is http://192.168.1.1;Press “Enter” to the Web management login page, input the default user name "admin" and password "admin", then press "Enter".

Console Port Management

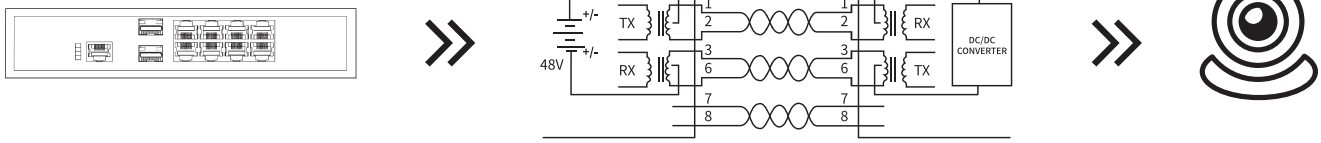
1. Use the console cable to connect the PC to the console port of the switch.
2. Open the terminal emulation software, establish a connection select the serial port, and set the communication parameters according to the default configuration of the console port of the switch, as follows.

Transmission rate: 115200
Data bit: 8
Check bit: None
Stop bits: 1
Flow control method: None

6. PoE Function

※ This feature is applicable to PoE switches and not to non PoE switches

▲ Standard PoE power supply



PoE Switch

1,2/3,6 is the power Supply and data pin

PoE-Camera

Standard PoE power supply include: Protocol detection, Power pin sequence detection, Power output, Abnormal protection, Link abnormal monitoring.
PoE power protocol include: IEEE802.3af (15.4W), IEEE802.3at (30W), IEEE802.3bt (60W-90W).
The standard PoE power supply pin is 1,2+/3,6-, Standard PoE++ power supply pin is 1,2,4,5+/3,6,7,8-
Standard PoE switches automatically detect and power standard-compliant PoE devices; non-PoE devices do not power up and only transmit data.

7. Indicator Definition

Marks	Definition	Status	Description
PWR	Power Indicator	Light on/Light off	Power on/ Abnormal
SYS/NMS	System indicator	Light on/ Light off	Whether the system work
AI POE	AI PoE indicator	Light on/ Light off	AI PoE activated/not activated
100M Copper portConnection Status Indicator	Left Indicator Speed	Light on	100M connected
		Light off	10M connected
	Right Indicator Link/act	Light stay on	Port connected
		Light off	Port not connected
		Light flash	Port is connected and sending/receiving data
1000M Copper portConnection StatusIndicator	Left Indicator Speed	Light on	1000M connected
		Light off	10/100M connected
	Right Indicator Link/act	Light stay on	Port connected
		Light off	Port not connected
		Light flash	Port is connected and sending/receiving data
2.5G Copper port Connection Status Indicator	Left Indicator Speed	Yellow light on	2.5G connected
		Green light on	1G connected
		Light flash	Port is connected and sending/receiving data
	Right Indicator Link/act	Yellow light on	100M connected
		Green light on	10M connected

7. Indicator Definition

Marks	Definition	Status	Description
2.5G Copper port Connection Status Indicator	Right Indicator Link/act	Light off	Port not connected
10G Copper port Connection Status Indicator	Left Indicator Speed	Yellow light on	10G connected
		Green light on	5G connected
		Light flash	Port is connected and sending/receiving data
	Right Indicator Link/act	Yellow light on	2.5G connected
		Green light on	1G connected
		Light off	Port not connected
Optical port connection status indicator	Link/act	Light on	Port connected
		Light off	Port not connected

8.DIP Switches Definition

Type of DIP switches	Definition	Description
POE	AI POE	Auto detect and reboot the unresponsive PoE devices for recovery
	Extend	250m long distance transmission (PoE port)
	Port Isolation	Port Isolation
	Storm Control	Suppresses broadcast data
No-POE	Reserve	Reserve
	Extend	250m long distance transmission (PoE port)
	Port Isolation	Port Isolation
	Storm Control	Suppresses broadcast data
Light Managment	Web-manage	Web management
	Standard	Standard mode
	Port Control	Port Isolation
AI PoE	Off	Off
	On	On

After-sales Service Letter of Commitment

Within thirty days from the date of sale, if the whole device fails, you can choose to repair, replace or return it.

If performance failure occurs within thirty days to one year from the date of sale (based on the date of purchase invoice and proof of three guarantees (repair, replacement, refund)), the whole machine can be selected for repair or replacement.

Beyond the one-year hardware warranty period, the cost of replacing the hardware will be borne by the user, and our company will not add other costs.

Other service commitments

Provide 7 × 24 hour after-sales support services.

The following are not warranted

Failure or damage to the device (including parts) is not covered by the warranty in the following cases.

1. Accessories supplied by other companies (e.g., power supplies, adapters, etc.) are guaranteed by the manufacturer of the product.
2. The whole device and parts are out of warranty.
3. Failure of or damage to the device was not caused by repair, remodeling or removal by our company personnel.
4. Failure or damage caused by accidental or human causes, including improper operation, scratches, improper handling, improper movement, improper knocking, improper voltage input, etc.
5. Failure or damage caused by the use of non-genuine or unreleased software.
6. Failures or losses caused by natural disasters such as force majeure (earthquakes, fires, etc.).unpublished software. Failures or losses caused by natural disasters, such as force majeure (such as earthquakes and fires).

Warranty Card

User Name	
User Address	
Post code	
Contact address	
Contact person	
Tel	
E-mail	
Product model number	
Serial Number	
Date of purchase	