User Guide

8FE (PoE)+1GE+1G SFP Unmanaged PoE Switch

Package Contents

Check the following contents of your package:
- PoE Switch   x 1
- User Guide x1
- Power Cord   x1
- Accessories(Rack Mount Accessory Kit*2 ,Rubber Feet*4, screw*8)

If any part is lost and damaged, please contact your local agent immediately.
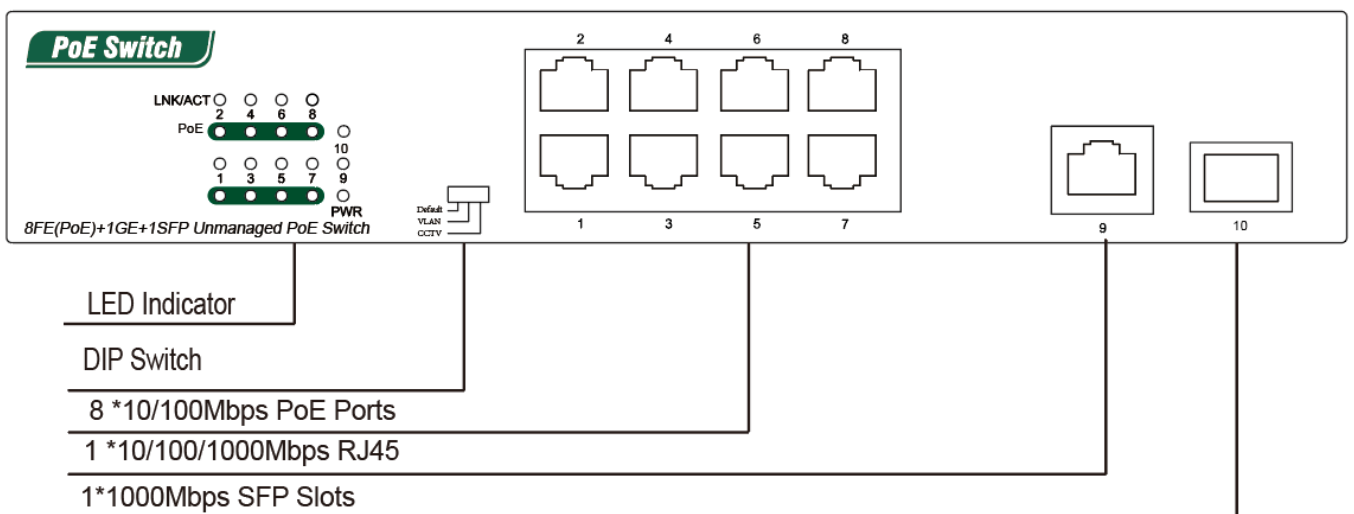
Introduction

The 8FE (PoE) +1GE+1G SFP provides eight 10/100/1000 Mbit/s adaptive RJ45 ports, one 10/100/1000 Mbit/s electrical port and one 1000 Mbit/s SFP port. All RJ45 ports support wire speed forwarding and automatic flipping. No configuration is required. Plug and play. Ports 1 to 8 support the PoE function, which automatically detects PD devices that comply with IEEE 802.3at/af standards without worrying about damage to non-standard PoE devices or common devices. Each PoE port provides a maximum of 30W power.

Its PoE ports can automatically detect and supply power with those IEEE 802.3af/at compliant Powered Devices (PD). The electrical power is transmitted along with data in one single cable allowing you to expand your network where there are no power lines or outlets, where you wish to fix devices such as AP, IP Cameras or IP Phones, etc.

Hardware Description

Front Panel

The Front Panel Consists of Ethernet Ports. The LED indicators are also located on the panel.

DIP Switch

The DIP switch located on the left panel.
Default: the factory default mode, can normal communication between port 1~10.
VLAN: 1-8 port can be isolated each other but 1-8 port can connect to 9/10 port after open VLAN to stop broadcast storm to increase forwarding rate of frame.

CCTV Up to 250m PoE distance allows you to expand you network via Ethernet cable to where there is no power line or outlet but where you want to fix device such as IP Cameras.
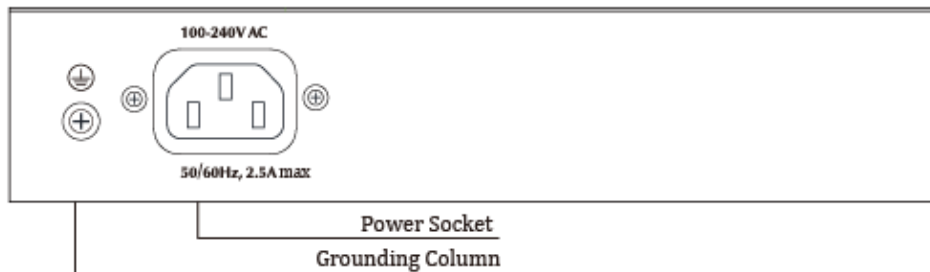
Note: After changing the mode, no power failure is required to make the corresponding configuration take effect

LED indicator

LED	Color	Function
PWR	Green	Off: No Power supply. Light: Indicates the switch has power.
LNK/ACT	Green	Off: No device is connected to the corresponding port. Light: Indicates the link through that port is successfully established at 10/100Mbps. Blink: Indicates that the Switch is actively sending or receiving data over that port.
PoE	Orange	Off: No PoE powered device (PD) connected. Light: There is a PoE PD connected to be port, which supply power successfully. Blink: Indicates port abnormal power supply.

Rear Panel

The rear panel of the PoE Switch indicates an AC inlet power socket, which accepts input power from 100 to 240V AC, 50/60HZ.

Power socket

Connect the female connector of the power cord here, and the male connector to the AC(Alternating Current) power outlet. Please make sure the voltage of the power supply meets the requirement of the input voltage

Grounding column

The switch already comes with lightning protection mechanism. You can also ground the switch through the PE (Protecting Earth) cable of AC cord or with Ground Cable
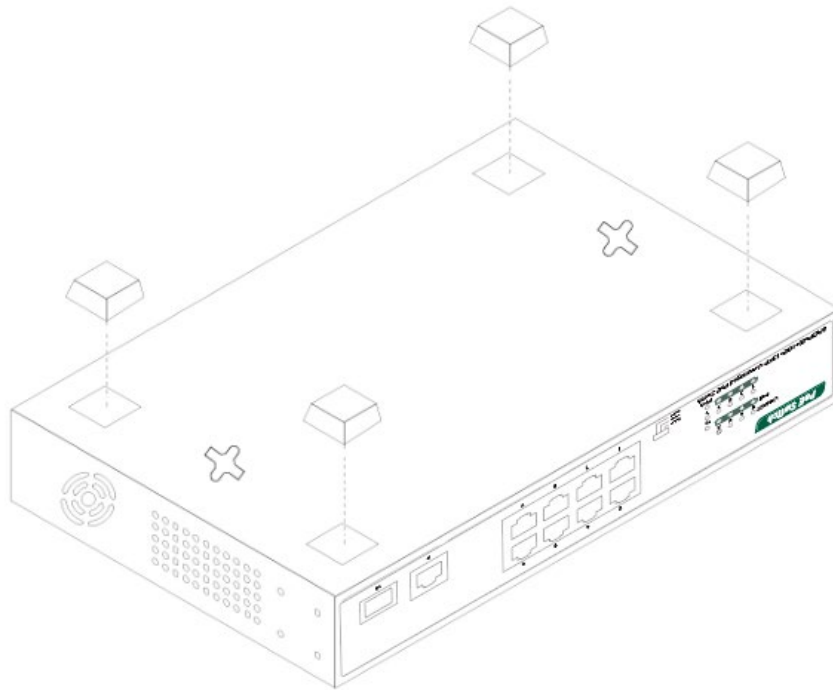
Installation the Switch

This part describes how to install your Ethernet Switch and make connections to it. Please follow the following instructions in avoid of incorrect installation causing device damage and security threat.

● Before cleaning the switch, unplug the power plug of the switch first. Do not clean the switch with wet cloth or liquid;

- Do not place the switch near water or any damp area. Prevent water or moisture from entering the switch chassis;

- Do not place the switch on an unstable case or desk. The switch might be damaged severely in case of a fall;

- Ensure proper ventilation of the equipment room and keep the ventilation vents of the switch free of obstruction;

- Make sure that the operating voltage is the same one labeled on the switch;

- Do not open the chassis while the switch is operating or when electrical hazards are present to avoid electrical shocks.
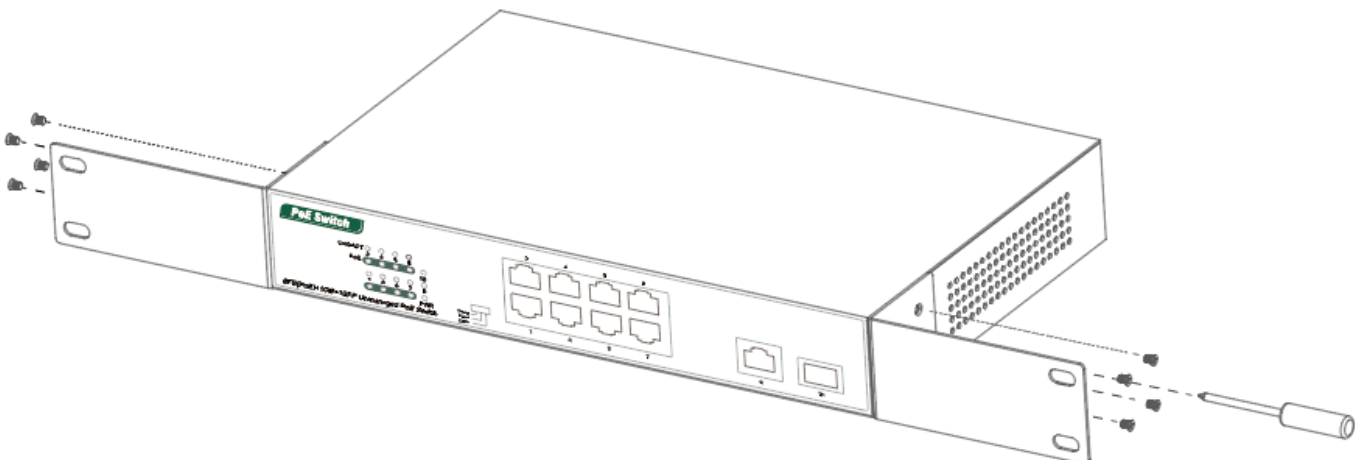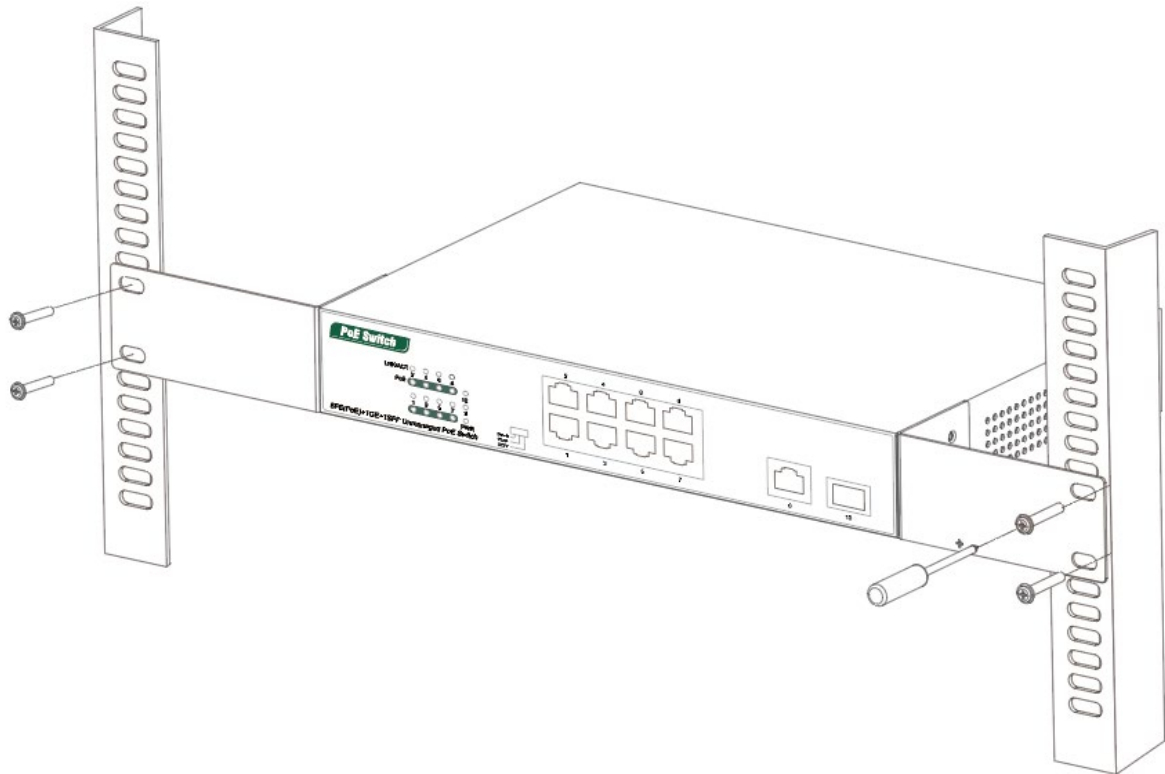
Desktop Installation

Install the Switch on a desktop, please attach these cushioning rubber feet provided on the bottom at each corner of the Switch in case of the external vibration. Allow adequate space for ventilation between the device and the objects around it.

Rack-mountable Installation

To check the grounding and stability of the EIA-19inch cabinet, use screws to fix mounting ears to both sides of the front panel of the switch. Place the switch on a bracket in the cabinet and move the switch along the guide rails to a proper position. Then, use screws to fix mounting ears to the guide rails at both ends of the cabinet. Ensure that the switch is securely installed on the tray in the cabinet slot. The mounting ear of the device is not used for weight bearing, it is only used for fixation. When installing devices in a cabinet, brackets (fixed on the cabinet) are provided below the device chassis to support devices.
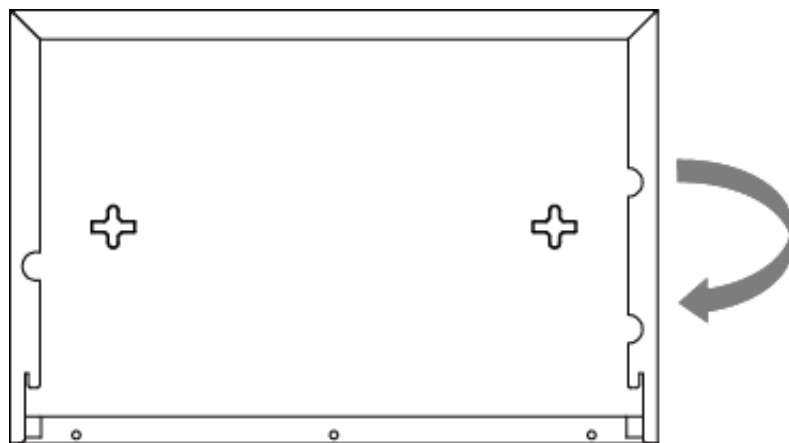
Wall-mounted installation

In the first two fixed screw on the wall as shown in the figure below

Aim at the two fixed hole switches（M4 screw, nut diameter 7mm）, and the machine smoothly on the screw

Turn on the switch

Please connect the AC power cord into the rear of the switch and to an electrical outlet (preferably one that is grounded). When the switch is power on, the LED indicators flash momentarily for one second, which represents a resetting of the system.The Power LED indicator turns on green.

Note: Please confirm the voltage is correct before power on, otherwise the switch will be damaged.
(The power input is:100V-240Vac, 50/60Hz.)

Specifications

Model	8FE (PoE)+1GE+1G SFP Unmanaged PoE Switch
Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z , IEEE802.3x IEEE802.3af, IEEE802.3at
Network Media	10BASE-T: UTP category 3,4,5 cable (≤100m) 100BASE-TX: UTP category 5 cable (≤100m) 1000BASE-T: UTP category 5e cable (≤100m) 100BASE-FX:MMF,SMF 1000BASE-X: MMF, SMF
MAC Address Table	8K, Auto-learning, Auto-aging
Transfer mode	Store-and-Forward
Frame Forward Rate	10Base-T: 14881pps/Port 100Base-TX: 148810pps/Port 1000Base-T/X: 1488095pps/Port
Switching Capacity	5.6Gbps
Dimensions (L*W*H)	220 *150 *44 mm
Power Input	AC: 100~240V, 50/60Hz
PoE Port	Port1~8
PoE Power on RJ45	Mode A 1/2(+),3/6(-)
PoE Output-port	30W(Max)
PoE total	120W
Temperature	Operating Temperature: 0°C ~ 40 °C (32 °F ~104°F) Storage Temperature: -40 °C ~ 70 °C (-40 °F ~158°F)
Humidity	Operating Humidity: 10% ~ 90% non-condensing Storage Humidity: 5% ~ 90% non-condensing