

User Guide

8FE(PoE)+2FE Fast Ethernet PoE Switch

Package Contents

Check the following contents of your package:

- PoE Switch x 1
- User Guide x1
- Power adapter x1
- Accessories(Rubber Feet*4)

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

Introduction

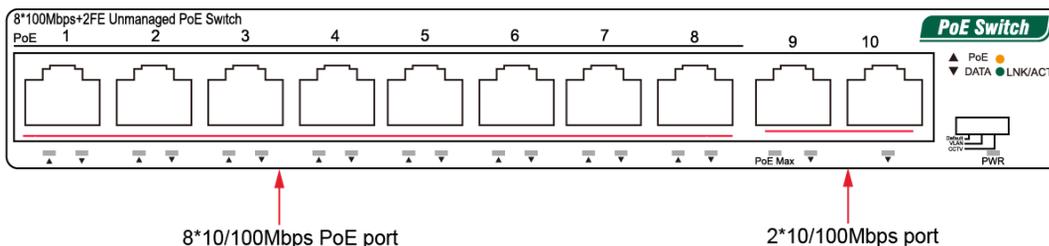
The 8FE (PoE) +2FE switch provides eight 10/100 Mbit/s adaptive RJ45 ports and two 10/100 Mbit/s uplink ports. All RJ45 ports support wire-speed forwarding and automatic flipping. No configuration is required. Ports 1 to 8 support the PoE function, which automatically detects PD devices that comply with IEEE 802.3at/af standards without worrying about damage to non-standard PoE devices or common devices. Each PoE port provides a maximum of 32W power.

PoE switches can transmit data signals and provide DC power for IP-based terminals such as wireless access points (aps), VoIP phones, and IP-based surveillance cameras. Using a standard CAT5 cable, you can power wireless AP and IP cameras. Power over Ethernet (PoE) optimized installation and power management of electrical end devices (PD) reduces installation time and cost for many PoE enabled network devices.

Hardware Description

Front Panel

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



Toggle Switch

Default: The factory Default mode is used when the CCTV is turned off. In this mode, ports 1 to 10 can communicate with each other normally.

CCTV: In this mode, ports 1 to 8 of the switch are isolated from each other, but ports 1 to 8 can communicate with 9/10. When this mode is turned on, ultra-long distance transmission of 250 meters is supported, which can solve the problem of long-distance transmission in network monitoring projects, replace optical fiber and network extender, solve the problem of difficult access to power at the ultra-remote end, and reduce the cost of engineering wiring.

VLAN: Specifies the isolation mode. In this mode, ports 1 to 8 and 9/10 on the switch are assigned an independent VLAN. Ports 1 to 8 can only communicate with ports 9 and 10. Ports 1 to 8 cannot communicate with each other. In this mode, connect 9/10 to the central switch.

Note: After change the mode, there is no need to restart manually to make the corresponding configuration take effect.

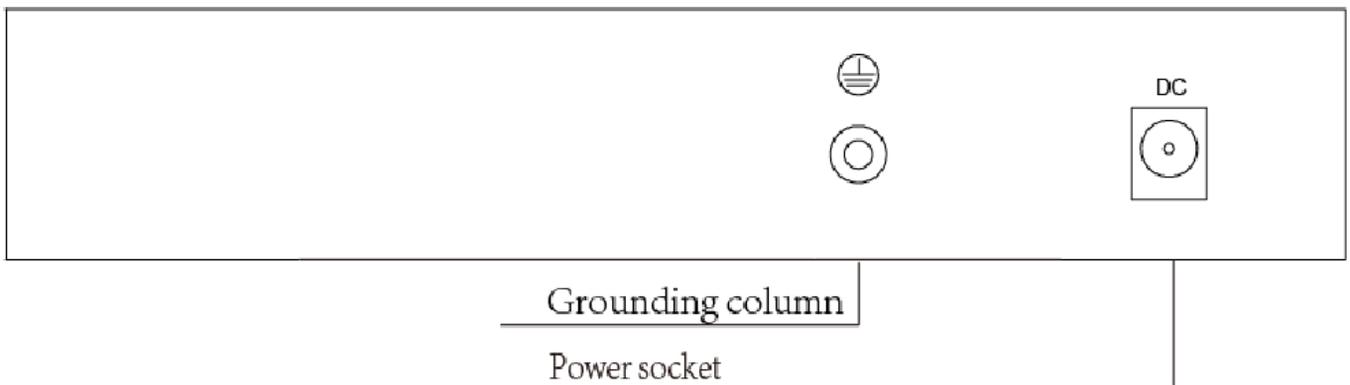
LED indicator

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.
Max	Green	Off: PoE power is less than 80% of total power. Light: PoE power above 80%.

Rear Panel

Rear panel schematic: DC power jack, surge protection grounding column.

Note: the lightning protection grounding column is located on the left side of the rear panel, please make sure to use the conductor to ground in case of lightning!



Grounding column

It is located to the left of the power interface. Please use wire grounding to prevent lightning strike.

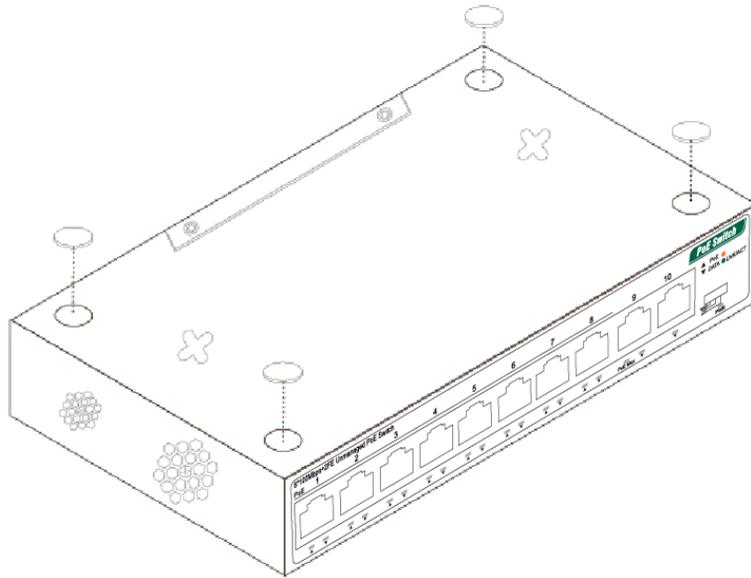
Installation the Switch

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.

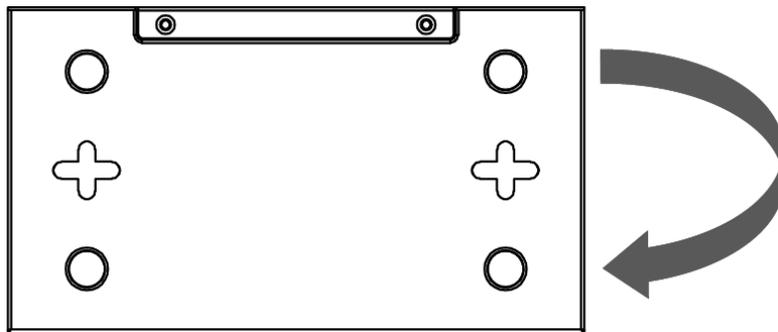


Wall-mounted installation

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

Aim at the two fixed hole switches, and the machine smoothly on the screw

Provide two screws with a diameter of about M4 and a nut diameter of 7mm



Turn on the switch

Plug in the power cord, plug in the plug, and turn on the power. After the switch is started, the switch automatically initializes. If all port indicators are on and off, the system is successfully reset. The power LED indicator is always on.

Caution: Before powering on the device, ensure that the voltage is correct; otherwise, the device will be damaged. (The power input range is 100-240V AC, 50/60Hz).

Specifications

Model	8FE(PoE)+2FE Fast Ethernet PoE Switch	
Standard	IEEE802.3, IEEE802.3u, IEEE802.3az, IEEE802.3x, IEEE802.3af, IEEE802.3at	
Network Media	10BASE-T: UTP category 3,4,5 cable (≤100m) 100BASE-TX: UTP category 5 cable (≤100m)	
MAC Address Table	1K, Auto-learning, Auto-aging	
Transfer mode	Store-and-Forward	
Frame Forward Rate	10Base-T: 14881pps/Port 100Base-TX: 148810pps/Port	
Switching Capacity	2Gbps	
Dimensions (L*W*H)	168*86*32mm	
Fan	Fanless	
PoE Power Budget	110W	105W (optional)
Power	AC IN: 100-240V 50/60Hz 2A MAX DC OUT : 54V/2.3A 120W	AC IN: 200-240V 50/60Hz 2.5A MAX DC OUT : 54V/2A 108W (optional)
PoE Port	Port 1~8	
PoE Power Output	Voltage: 54V DC Power: 32W(Max)	
PoE Power on RJ45	Mode A 1/2(+), 3/6(-)	
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	