

PoE Networking Solution

# User Guide

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8\*10/100Mbps+2FE PoE Switch

## Package Contents

Check the following contents of your package:

- PoE Switch x 1
- User Guide x 1
- Power Cord x 1
- Accessories(Feet\*4)

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

## FCC statements

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.


Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.


## LVD/EMC Directive

-  This product complies with the European Low Voltage Directive 2014/35/EU and EMC Directive 2014/30/EU.

## WEEE Directive–2012/19/EU

-  The product this manual refers to is covered by the Waste Electrical & Electronic Equipment (WEEE) Directive and must be disposed of in a responsible manner.

## Battery Directive-2013/56/EC

-  Battery in the product complies with the European Battery Directive 2013/56/EC. For proper recycling, return the battery to your supplier or to a designated collection point.

## Introduction

The switch is fast uplink Switch which provides you with a high-performance, low-cost, easy-to-use, seamless and standard upgrade to boost your old network to 100Mbps. Increase the speed of your network server and backbone connections, making Gigabit connection to a server or uplink a network necessarily.

Its PoE ports can automatically detect and supply power with those IEEE 802.3af/at compliant Powered Devices (PD).

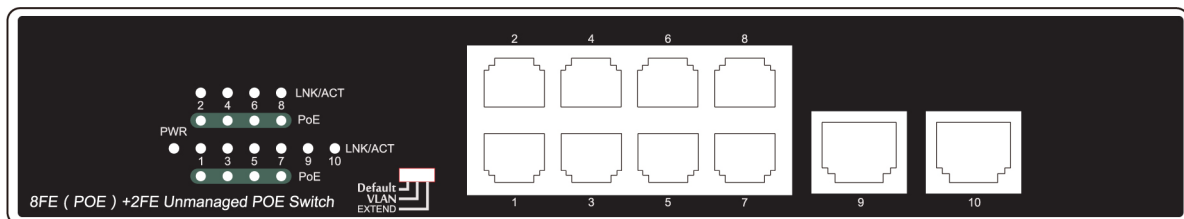
The electrical power is transmitted along with data in one single cable allowing you to expand your network where

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.



### 8\*10/100Mbps+2FE PoE Switch

### DIP Switch

**Default mode:** When Extend closed 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.

**Extend:** The Extend mode , 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.

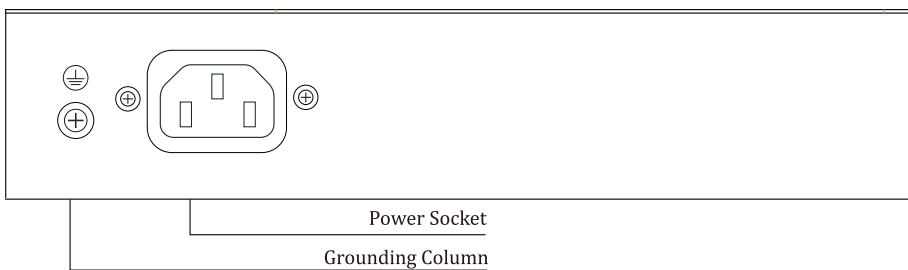
**Note:** After change the mode, in order to make the corresponding configuration take effect you need to manually restart the PoE switch.

## 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 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.

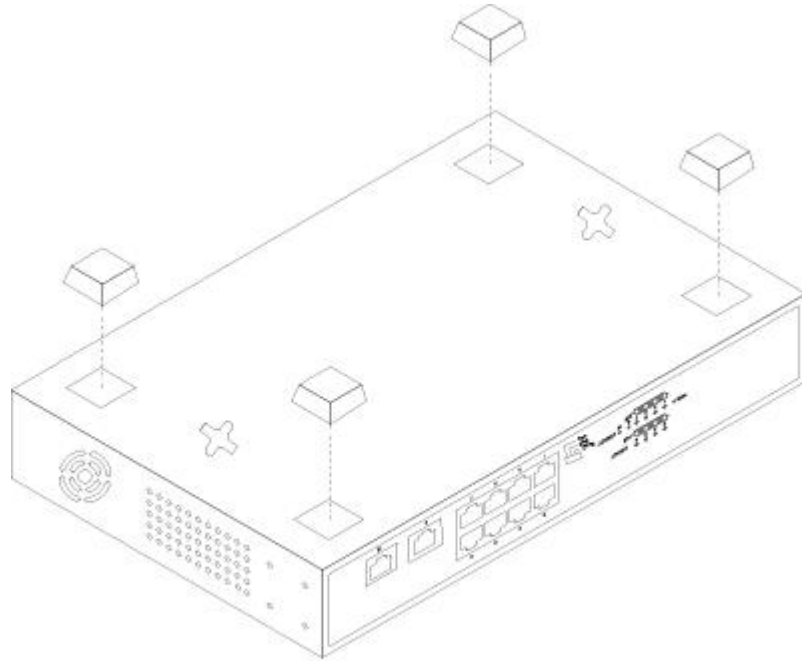
## **Installation the Switch**

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

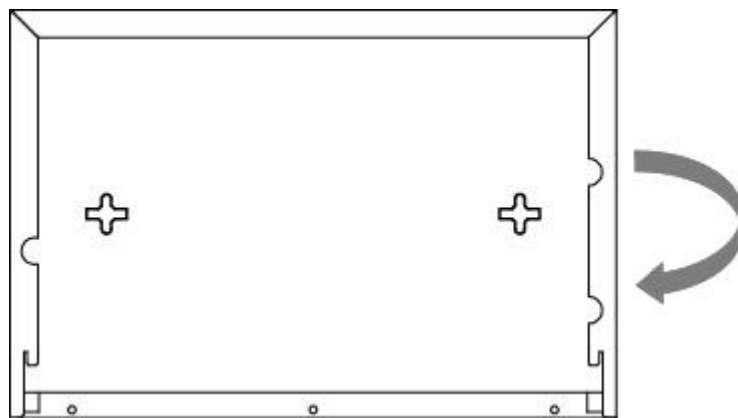
Install the Switch on a desktop, please attach these cushioning rubber feet provided on the bottom at each corner of the Switch in case of the external vibration. Allow adequate space for ventilation between the device and the objects around it.



## 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



## 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	8*10/100Mbps+2FE 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	8K, Auto-learning, Auto-aging
Transfer mode	Store-and-Forward
Frame Forward Rate	10Base-T: 14881pps/Port 100Base-TX: 148810pps/Port
Switching Capacity	2G
Dimensions (L*W*H)	220 *150*44mm
Fan	Fanless
Power Input	AC: 100~240V, 50/60Hz
PoE Port	Port1~8
PoE Power on RJ45	Mode A 1/2(+),3/6(-)
PoE Power Output	Voltage: 55V DC Power: 32W(Max)
PoE Power Budget	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