User Guide

16GE(PoE)+2G SFP PoE Switch

Package Contents

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

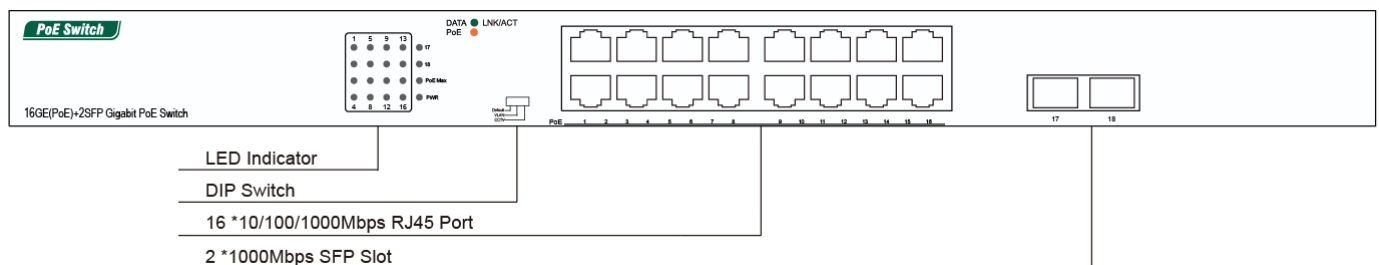If any part is lost and damaged, please contact your local agent immediately.

Introduction

16GE (PoE) + 2G SFP is a non-network management PoE Ethernet switch developed by UNIPOE. It provides 16 10/100/1000Mbps adaptive RJ45 ports, each supporting MDI/MDIX automatic flip and wire-speed forwarding functions, and two 1000Mbps SFP optical module slots. Ports 1-16 support the power supply function and comply with IEEE802.3af/at standards. They can serve as Ethernet power supply devices, automatically detect and identify devices that meet the standards, and supply power to them through network cables.

Hardware Description

Front Panel

The following diagram shows the front panel of PoE Switch:

Default: The factory default mode is used when the CCTV is turned off. In this mode, it is equivalent to a common switch. Ports 1 to 18 can communicate normally.

CCTV: In this mode, ports 1 to 16 of the switch are isolated from each other, but ports 1 to 16 can communicate with ports 17/18. If this mode is enabled, ultra-long distance transmission of 250 meters is supported, which can solve the problem of long-distance transmission in network monitoring projects. It can replace optical fibers and network extenders, solve the problem of obtaining power from ultra-remote ends, and reduce the cost of engineering cabling.

VLAN: Isolation mode: In this mode, ports 1 to 16 and 17/18 on the switch are assigned an independent VLAN. Ports 1 to 16 can only communicate with ports 17 and 18. Ports 1 to 16 cannot communicate with each other. In this mode, connect ports 17/18 to the central switching device.
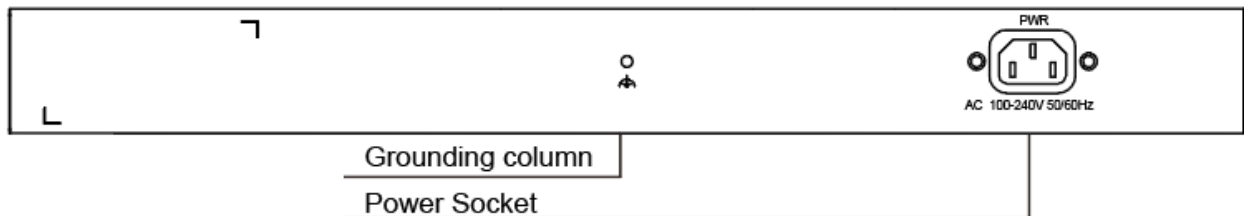
Note: After the Settings are changed, the PoE switch does not need to be manually restarted for the Settings to take effect (online).

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 1000Mbps. 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

This is an AC power socket, connect the negative plug of the power cord to this interface, and connect the positive plug to the AC power supply.

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.
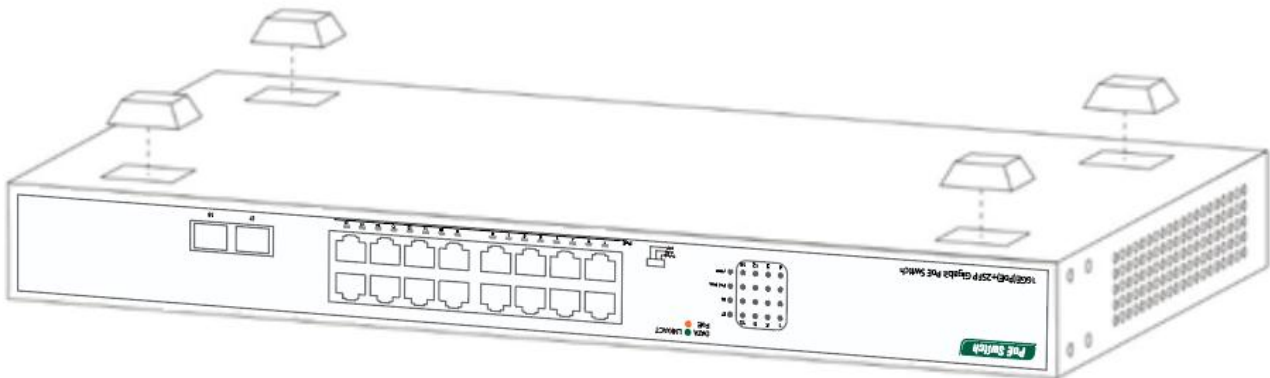
- Before cleaning the switch, unplug the power plug of the switch first. Do not clean the switch with wet cloth or liquid;
- Do not place the switch near water or any damp area. Prevent water or moisture from entering the switch chassis;
- Do not place the switch on an unstable case or desk. The switch 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

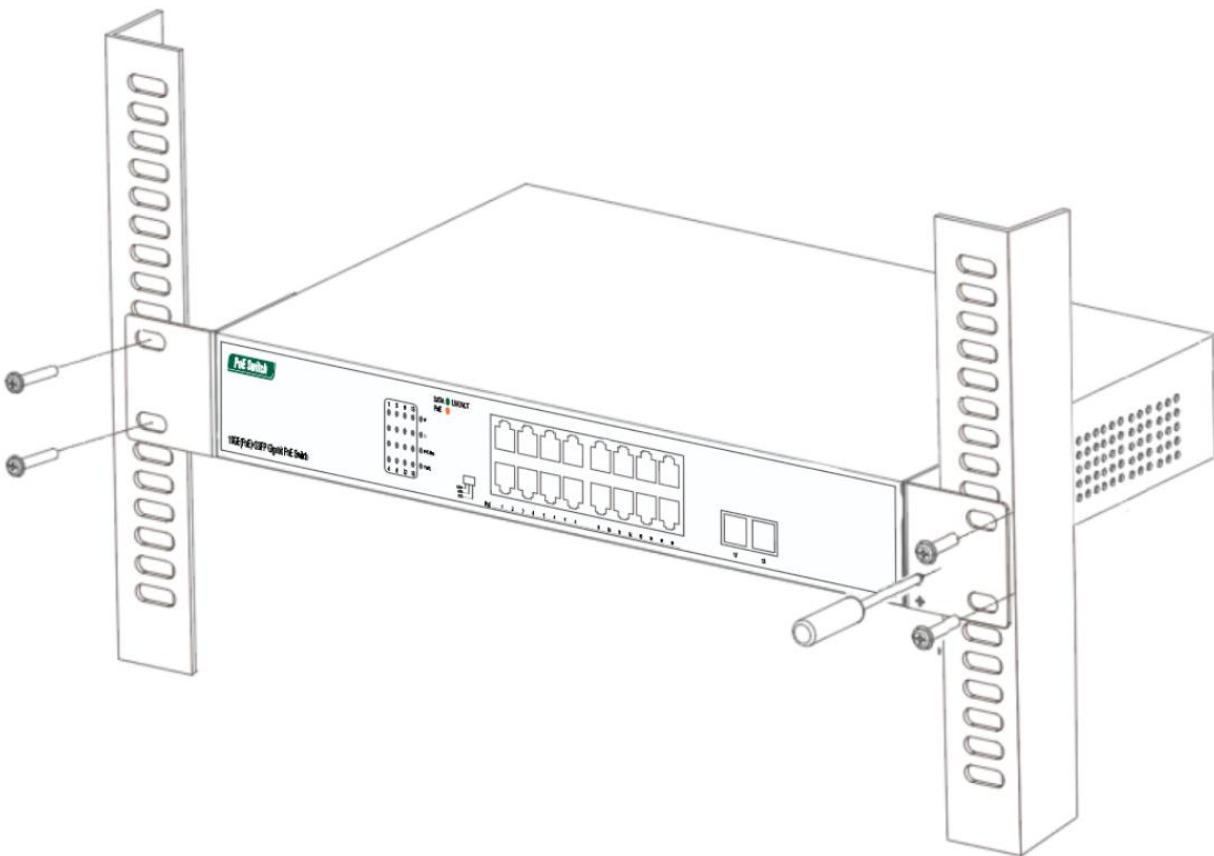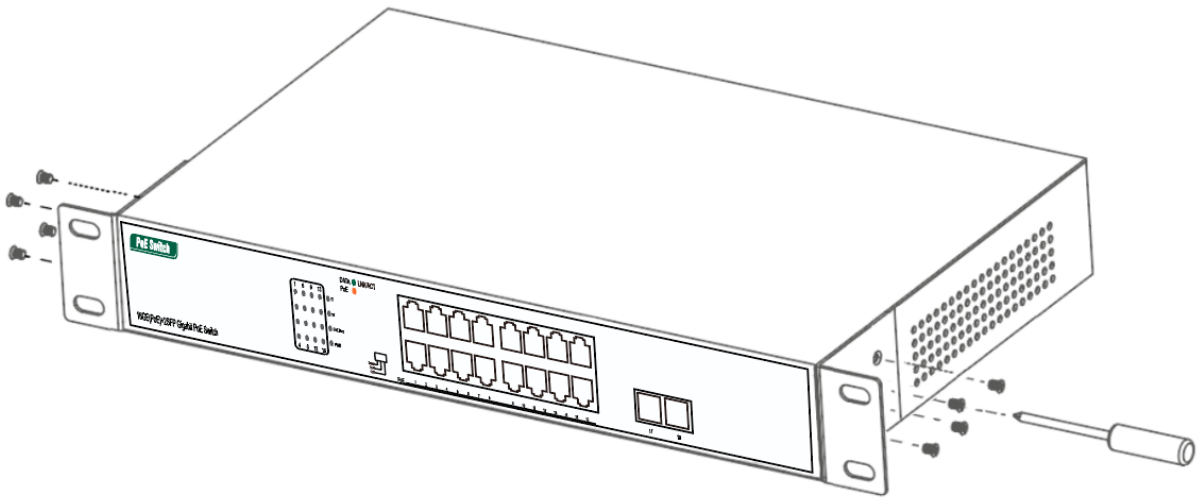Place the bottom of the switch face up on a large enough stable table;
Tear off the attached sticky paper on the surface of the footpad and paste the footpad into the groove at the bottom of the chassis of the switch to prevent external vibration;
Carefully position the switch upright on the workbench.

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.

Turn on the Switch

Connect the power cord, plug in, 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 steady on.

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	16GE(PoE)+2G SFP PoE Switch	
Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, 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) 1000BASE-T: UTP category 5e cable (≤100m) 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	36Gbps	
Dimensions (L*W*H)	441.1 *206.7 *44mm	
Fan Quantity	2	
Power Input	AC: 100~240V 50/60Hz	
PoE Port	Port1~16	
PoE Power on RJ45	Mode A 1/2(+) , 3/6(-)	
PoE Power Output	Voltage: 55V DC Power: 30W(Max)	
Power Supply	260W	150W (Optional)
PoE Power Budget	250W	135W (Optional)
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	