User Guide

24GE(PoE) +2GE +2G SFP Unmanaged PoE Switch

Package Contents

Check the following contents of your package:

- PoE Switch *1
- User Guide *1
- Power Cord *1
- Accessories(Rack Mount Kit *2, Rubber Feet*4, Screw*8)

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

Introduction

The 24-Port Gigabit+2GE+2G SFP Unmanaged PoE Switch has 24*10/100/1000Mbps adaptive RJ45 ports, 2* 10/100/1000Mbps uplink RJ45 ports plus 2*1000Mbps fiber module slots. Each RJ45 port supports MDI/MDIX auto-flip and wire-speed forwarding function. The ports 1-24 have PoE power supply function and support IEEE802.3af/at standard, which can be used as Power over Ethernet device and can automatically detect and identify the powered devices that meet the standard and supply power to them through the network cable.

19-inch standard rack mount, plug-and-play, no management required Dynamic LED indicators to provide simple working status indication and troubleshooting Support four dialing modes, users can choose to turn on or off according to different application environments.

Hardware Description

Front Panel

The following is a diagram of the front panel of 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 10M/100M/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

Toggle Switch

VLAN: VLAN isolation mode divides ports 1~24 and ports 25~28 of the switch into a separate VLAN. ports 1~24 can only communicate with 25~28. Ports 1~24 cannot communicate with each other to secure the network. In this mode, please connect 25~28 to the central switching equipment.

CCTV: Monitoring mode, this mode 1~24 ports forced speed reduction to 10Mbps transmission rate, can be 250 meters long distance transmission, can replace the optical fiber and network extender, to solve the problem of network monitoring project requires long distance transmission and ultra-remote power difficult to get the problem, reduce the cost of engineering wiring. Only support speed reduction, not support isolation.

PD-ALIVE: Supports PoE camera drop auto-detection and auto-reboot.

LAG: One-key aggregation, ports 27~28 are used as one aggregation port. Data can be transmitted through ports 27~28 at the same time, increasing bandwidth and data throughput, and increasing network reliability and performance. When one of the ports fails, data can continue to be transmitted through other normal working ports, thus avoiding communication interruption.

Note: It is not necessary to manually reboot the switch after changing the settings for the corresponding configuration to take effect (inline toggle).

Rear Panel

Rear panel diagram of PoE switch: AC power connector with power input range of 100-240V AC, 50/60Hz. lightning protection ground post and fan.

Grounding Column

Power Socket
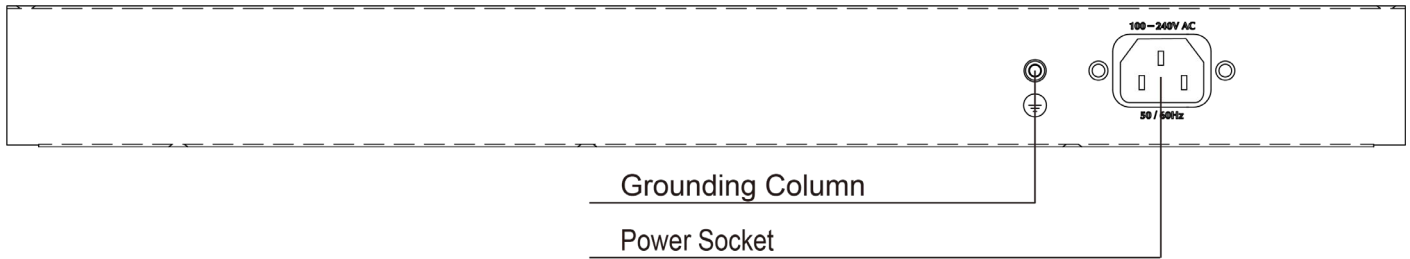
AC power connector

This is an AC power outlet, the power cord negative plug into this interface, the male plug to the AC power.

Lightning protection grounding column

Located to the left of the power connector, please use a wire to ground to prevent lightning strikes.
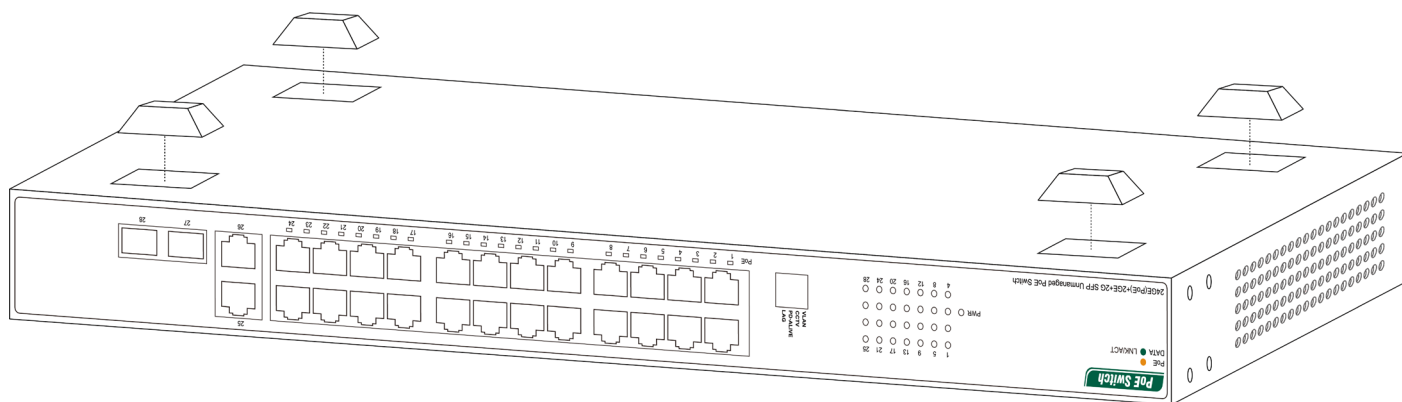
Installation the Switch

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;

● To avoid the danger of electric shock, do not open the chassis without authorization; If any fault occurs, contact professional maintenance personnel.

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. The installation diagram is as follows:

Rack-mountable Installation

The switch is rack-mountable and can be installed on an EIA-19 inch equipment rack. To do this, first, please install the mounting brackets on the switch's side panels (one on each side), secure them with the included screws, and then use the screws provided with the equipment rack to mount the switch on the 19 inch rack.
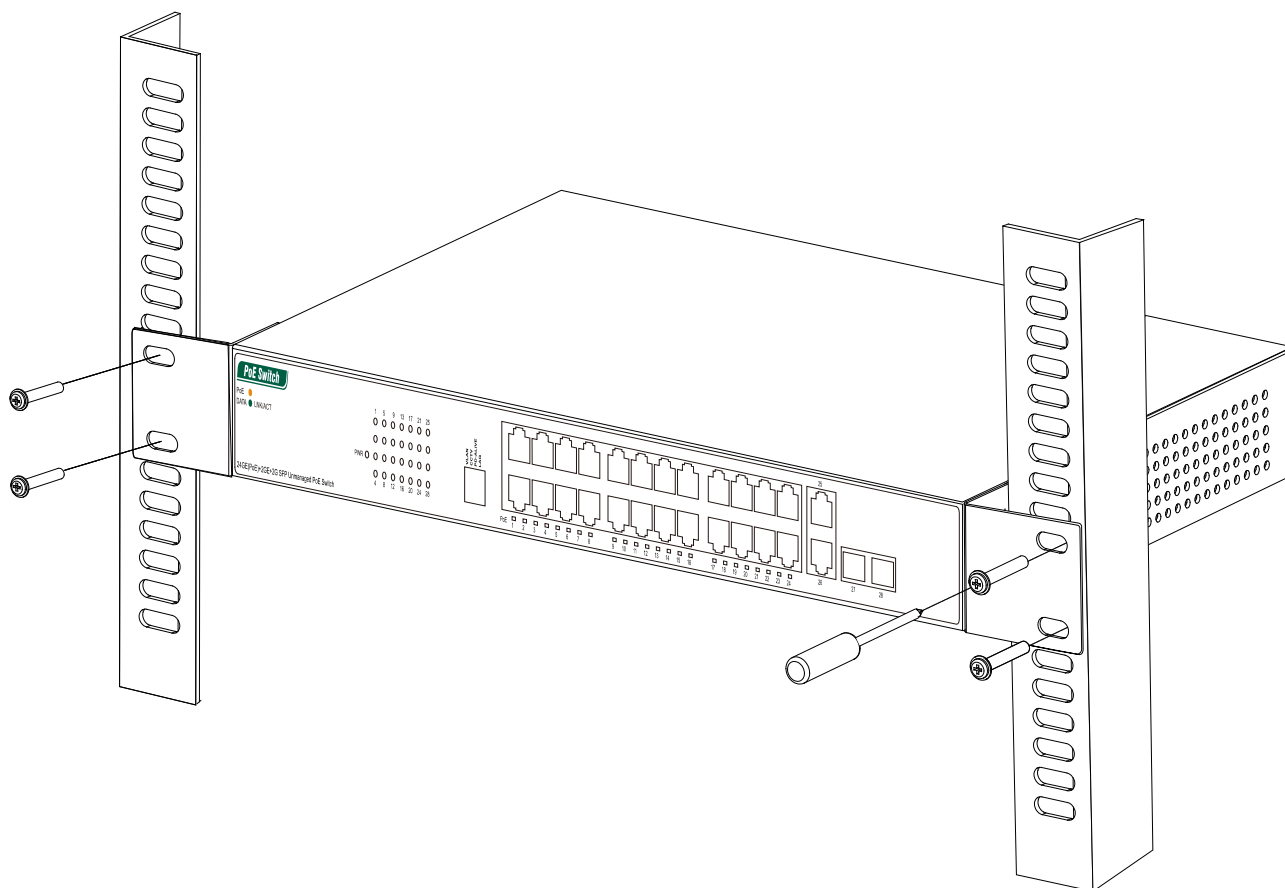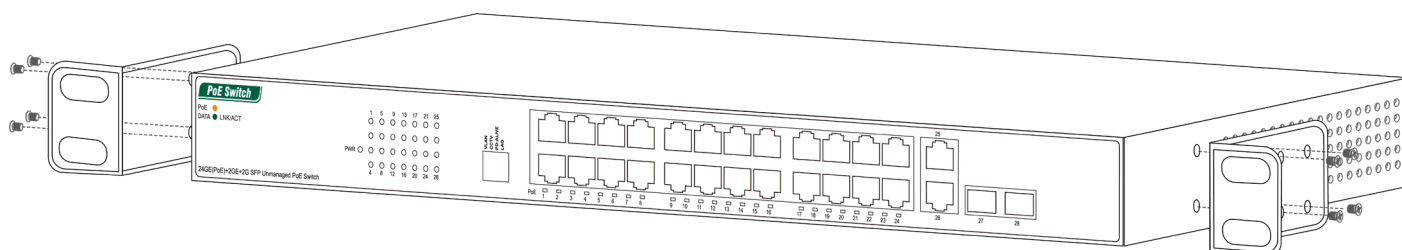
Turn on the Switch

Plug in the negative connector of the provided power cord into the power socket of the device, and the positive connector

into a power outlet. After the device is powered on, it begins the Power-On Self-Test. The PWR LED indicator will light on all the time.

Specifications

Model	24GE(PoE) +2GE +2G SFP Unmanaged PoE Switch
Standard	IEEE802.3, IEEE802.3i, IEEE802.3u, IEEE802.3z, IEEE802.3ab, IEEE802.3x, IEEE802.3af, IEEE802.3at
Network media	10BASE-T: UTP category 3,4,5 cable(≤100m) 100BASE-TX: UTP category 5, 5e cable(≤100m) 1000BASE-T: UTP category 5e, 6 cable(≤100m) 1000BASE-X: MMF, SMF
MAC Address Table	8K, Auto-learning, Auto-aging
Jumbo frame	10KBytes
Packet buffer	4.1Mbit
Transfer Mode	Store-and-forward
Switching Capacity	56Gbps
Packet Forward Speed	41.66Mpps
PoE Port	Port1~24
PoE Power on RJ45	1/2(+), 3/6(-)
PoE Power Output	Voltage: 55V DC Power: 30W(Max)
PoE Power Budget	250W
Power supply	280W
Input Power Supply	AC 100-240V AC, 50/60Hz
Dimensions(L*W*H)	440*207*44mm, Black
Fan Quantity	2pcs
Operating Temperature	0°C ~ 40°C
Storage Temperature	-40°C ~ 70°C
Operating Humidity	10% ~ 90% non-condensing
Storage Humidity	5% ~ 90% non-condensing