

User Guide

16GE(PoE)+2G SFP Colorful LCD Display PoE Switch

24GE(PoE)+2G SFP Colorful LCD Display PoE Switch

Package Contents

Check the following contents of your package:

- PoE Switch x 1
- User's Manual x 1
- Power Cord x 1
- Accessories(hanging ears*2, Rubber Feet*4, screw*8)

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

1. Introduction

Thank you for choosing this PoE Switch. The 16/24GE(PoE)+2G SFP LCD Display PoE Provides have 16(24)-10/100/1000Mbps PoE RJ45 Port and 2-Gigabit SFP Slot. 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.

The LCD not only can display the PoE work status, accurate judgment port of load, can also help customer and engineer timely discover and solve the network failure,improve work efficiency and quality.

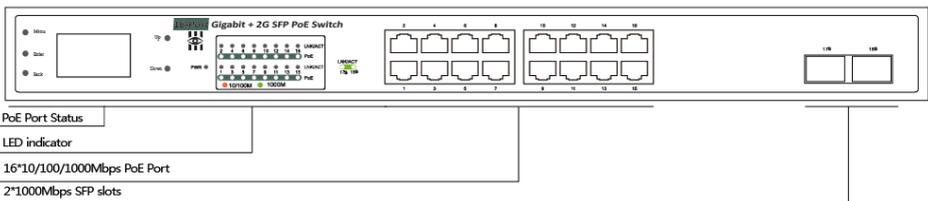
Port Feature

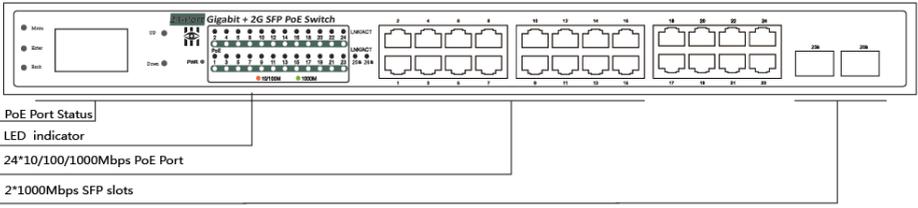
Model	10/100/1000Mbps RJ45 Port	Gigabit SFP Port	LCD Display	PSE Port
16GE(PoE)+2G SFP	Port1~16	Port17~18	Support	Port1~16
24GE(PoE)+2G SFP	Port1~24	Port25~26		Port1~24

2. Hardware Description

2.1 Front Panel

The Front Panel of the PoE Ethernet Switch Consists of Ethernet Ports. The LCD Display and LED indicators are also located on the panel



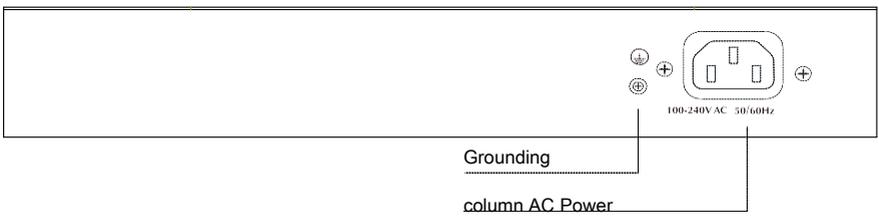


LED indicator

LED	Color	Function
PWR	Green	Off: No Power supply. Light: Indicates the switch has power.
LNK/ACT	Orange	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.
	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.



LCD Features

These PoE Switch are with the function of the LCD display and PoE. The LCD can display the working condition of PoE port not only, still can accurately show the state of each port, such as: Output power, Overload, Short circuit, Light load, Low voltage, Over voltage, High temperature, and so on...

The figure displays five LCD screens showing different PoE switch status screens. The top-left screen shows 'SWITCH PORT INFO' with a table of 8 ports (01-08) displaying power and status. The other four screens show 'Switch port information' with red warning boxes: 'Voltage is high. All ports off.', 'chip is too hot! All ports off.', 'Voltage is low. All ports off.', and 'PSE is failure. Restarting...'. All screens show summary stats: PB:300W, TP:0.0W, PD:0, Norm.

After Starting the screen not only such visible on the basis of three generations in the second generation increases the color logo, according to the menu button, switch mode, bandwidth display and warning, PD type, PSE power fine-tuning and priority, PoE port switch control, LCD switch. Enhance the LCD viewing angles, smart fan control, language selection and the function of the factory Settings, in turn, as shown in the figure below, [See the operation instructions of the screen concretely.](#)



Main Menu

- 01 - Switch Mode
- 02 - Switch Bandwidth
- 03 - PD Type
- 04 - PD Alive
- 05 - PSE Power Fine
- 06 - PSE Port Priority
- 07 - PSE Port Enable
- 08 - PSE Port Power

Main Menu

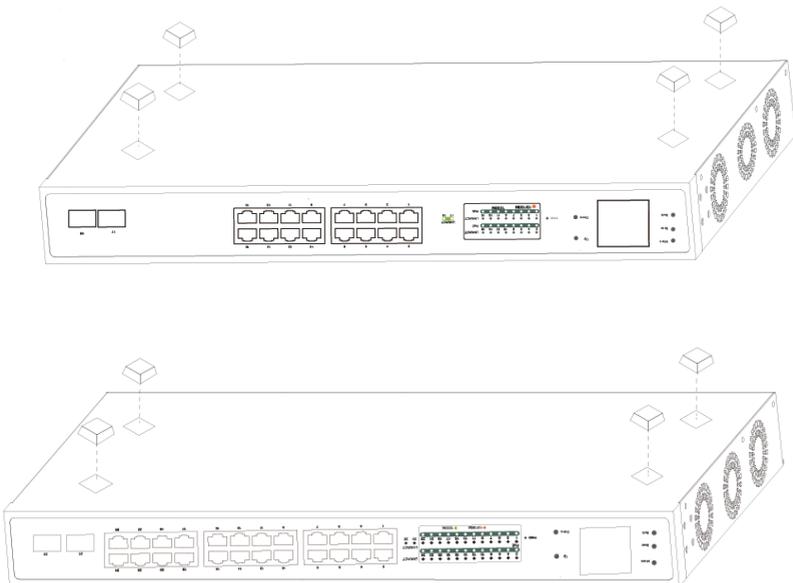
- 07 - PSE Port Enable
- 08 - PSE Port Power
- 09 - LCD ON/Off
- 10 - Fan Control
- 11 - Language
- 12 - Default Setting
- 13 - Password Setting
- 14 - About

3. 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.

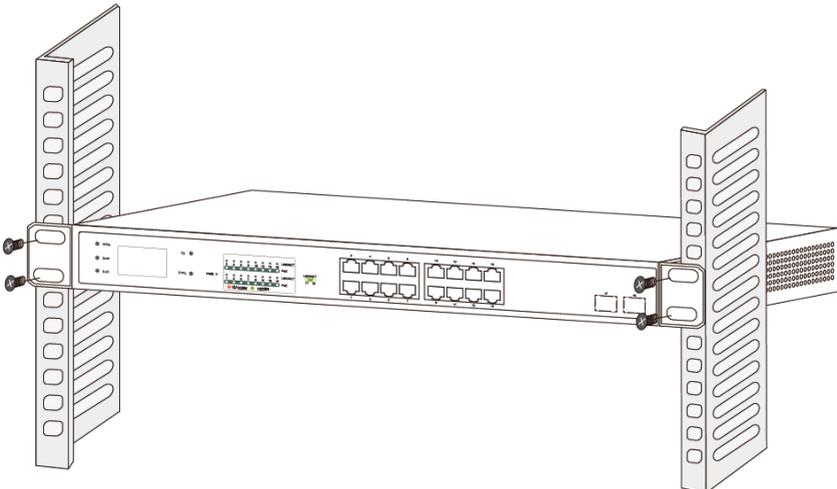
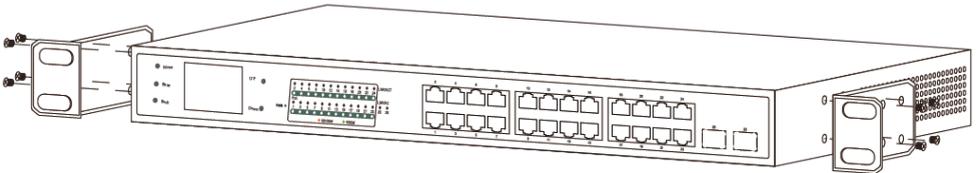
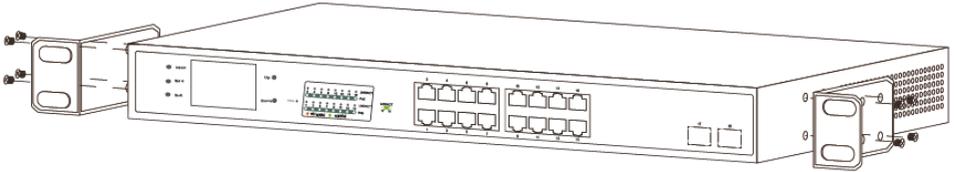
- Before cleaning the switch, unplug the power plug of the switch first. Do not clean the switch with wet cloth or liquid;
- Do not place the switch near water or any damp area. Prevent water or moisture from entering the switch chassis;
- Do not place the switch on an unstable case or desk. The switch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



3.2. 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.





3.3 Turn on the switch

Please plug the power supply into the switch, the internal power system of the switch can Auto-regulate the working power according to the actual input power. When the switch is power on, the power indicator will be light on the front panel of the switch shines.

Note: Please confirm the voltage is correct before power on, otherwise the switch will be damaged.

(There is a power supply socket on the back panel of the PoE Ethernet switch. The power input is:

100V-240Vac, 50/60Hz.)

Specifications

Model	16GE(PoE)+2G SFP	24GE(PoE)+2G SFP
Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3az, IEEE802.3x, IEEE802.3af, IEEE802.3at	
Network - Media(Cable)	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 or SMF SFP module(Optional)	
LCD Display	Support	
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	36G	52G
Dimensions (L*W*H)	440*232*45 mm	
Fan	Fan	
Power Input	AC: 100~240V, 50/60Hz	
Power output	55V/5.6A, 55V/7.2A(Optional)	
PoE Port	Port1~16	Port1~24
PoE Power on RJ45	port: Mode A 1/2(+),3/6(-)	
PoE Power Output	Voltage: 55V DC Power: 32W(Max)	
PoE Power Budget	300W/380W(According to the power)	
PoE Power total	330W/420W	
Temperature	Operating Temperature: -10°C ~ 60 °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	