User Guide

16FE(PoE)+2G Combo PoE Switch

Package Contents

Check the following contents of your package:

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

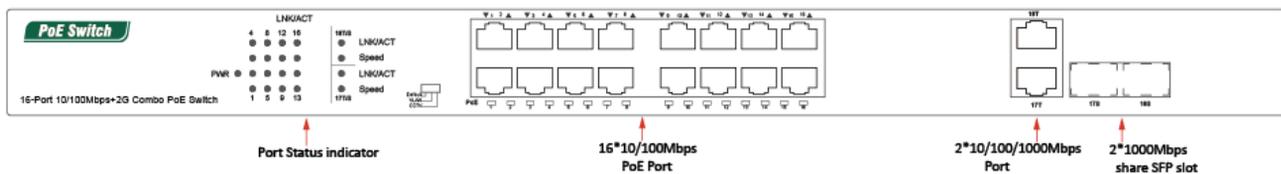If any part is lost and damaged, please contact your local agent immediately.

Introduction

The 16FE(PoE) +2G Combo PoE Switch are Gigabit Uplink Unmanaged Switch which provides you with a high-performance, low-cost, easy-to-use, seamless and standard upgrade to boost your old network to 1000Mbps. Increase the speed of your network server and backbone connections, making Gigabit connection to a server or uplinking 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 16-Port 10/100M Auto-Negotiation Ethernet RJ45 Ports, 2-Port Gigabit Combo Port. The LED indicators also on located on the panel.

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 10/100/1000Mbps. Blink: Indicates that the Switch is actively sending or receiving data over that port.
Speed	Green	Off: Indicates the link through established at 10/100Mbps. Light: Indicates the link through established at 1000Mbps.

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

DIP Switch

The DIP switch located on the left panel.

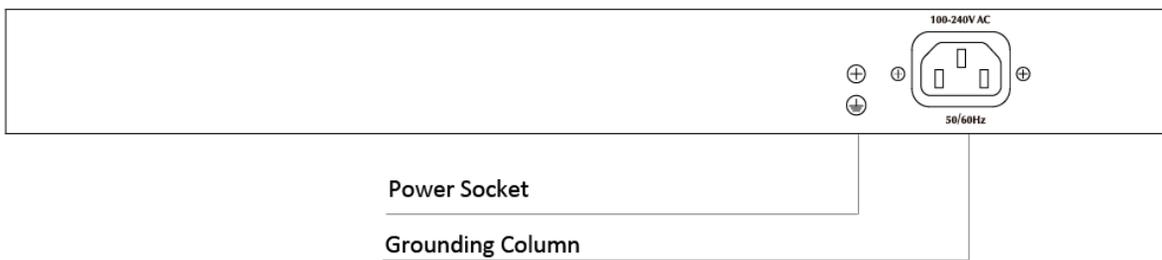**Default:** the factory default mode, can normal communication between port 1~18.

VLAN: 1-16 port can be isolated each other but 1-16 port can connect to 17~18 port after open VLAN to stop broadcast storm to increase forwarding rate of frame.

CCTV: Up to 250m PoE distance allows you to expand you network via Ethernet cable but where you want to fix device such as IP Cameras.

Note: After change the mode, in order to the corresponding configuration take effect. The switch needs to restart manually.

Rear Panel

The rear panel of 16FE(PoE)+2G Combo PoE Switch indicates an AC inlet power socket, Grounding Column.
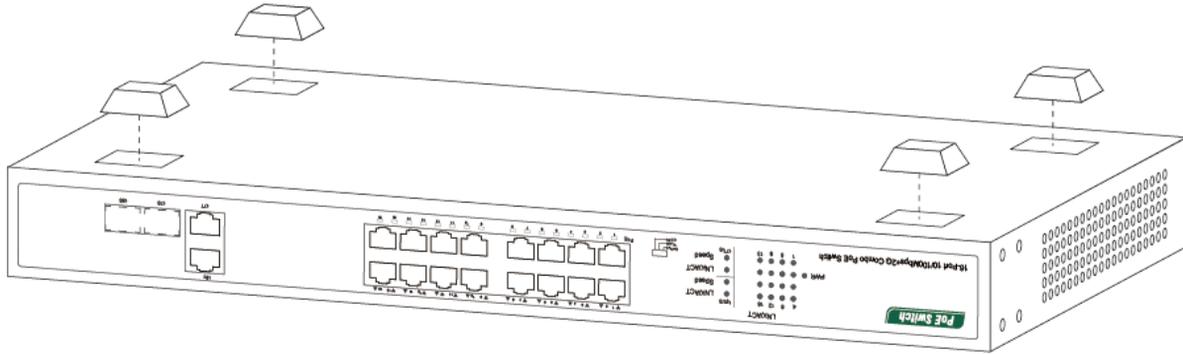

Installation the Switch

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.
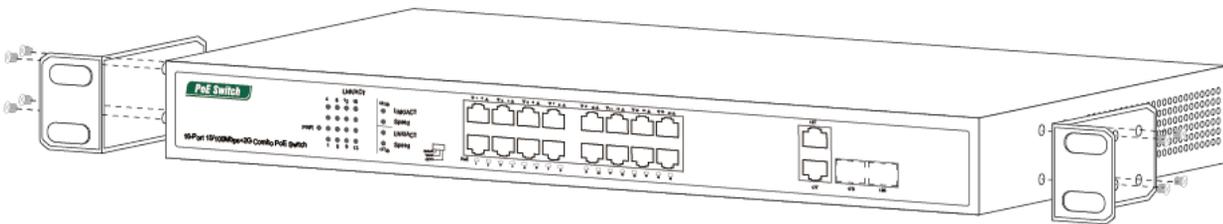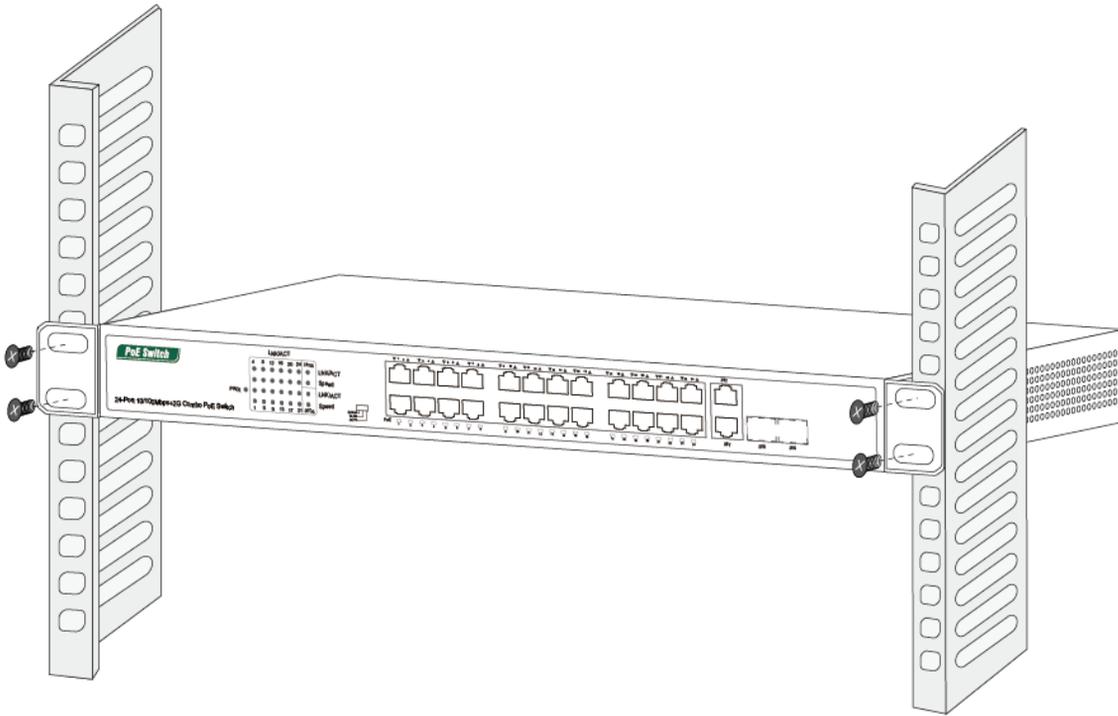
Desktop Installation

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. 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	16FE(PoE)+2G Combo
Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, 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
MAC Address Table	16K, 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	7.2G
Dimensions (L*W*H)	440*207*45 mm
Fan	Fan
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: 32W(Max)
PoE Power budget	250W
Temperature	Operating Temperature: 0℃ ~ 40 ℃ (32 °F ~104°F) Storage Temperature: -40 ℃ ~ 70 ℃ (-40 °F ~158°F)
Humidity	Operating Humidity: 10% ~ 90% non-condensing Storage Humidity: 5% ~ 90% non-condensing