

# 16/100M+2/1000M+1/SFP Smart POE Switch

## Quick Instruction Manual

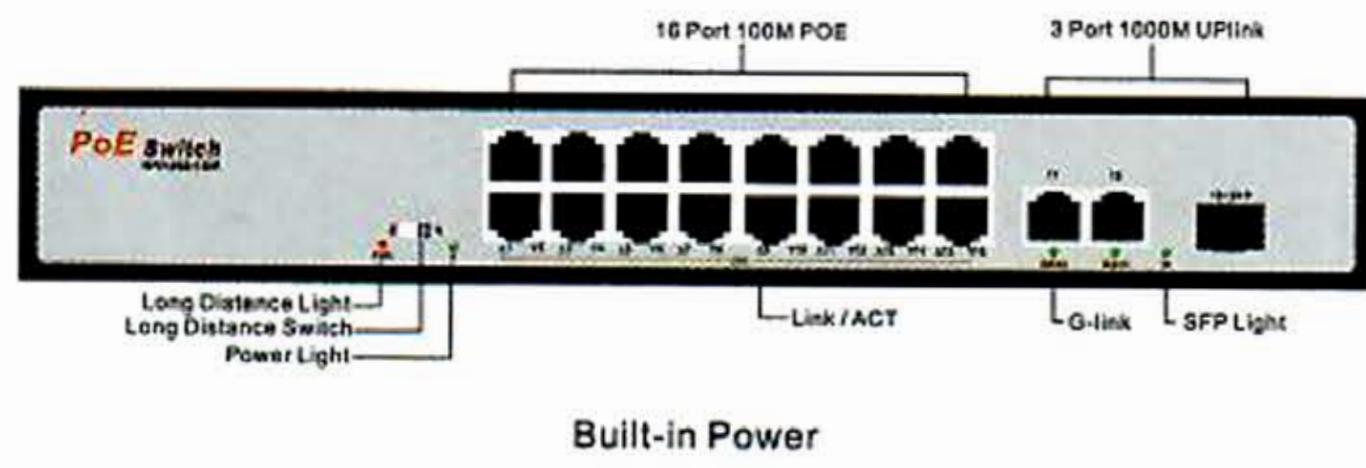
### Introduction

The Hybrid POE Switch with 16 POE Ports and 2 Gigabit Uplink port and 1 SFP are specially developed and adapted for wireless AP coverage, network surveillance engineering, central data exchange purposes, with its 16 RJ45 ports which is supporting POE output with international standards single Port power voltage at 30W, and could automatically detect and supply power to powered devices that match IEEE802.3af/at standards. Using the product could aid in accessing and managing PoE Network.

### Characteristics

- 16×10/100M Standard POE Port
- 2×10/100/1000M Uplink network Port
- 1×1000M SFP
- In accordance with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
- International POE standard IEEE 802.3af/at, Supports full port standard detection functionality
- Supports power supply POE devices such as wireless APs via category 5/6 Ethernet cables and network monitor cameras
- Flow Control: Full duplex uses IEEE 802.3x standard, half duplex uses back pressure standard.
- Supports port auto MDI/MDIX
- Supports Monitor Mode and Network Level 2.
- Supports Monitor Mode and Network Mode switching
- All ports support line speed switching and jumbo frame transmission
- Zero configuration feature, automatically supplies power to adapted devices
- Panel indicator lights monitor working states

16 Port 100M POE + 2 Port 1000M + 1 Port 1000M SFP NETWORK



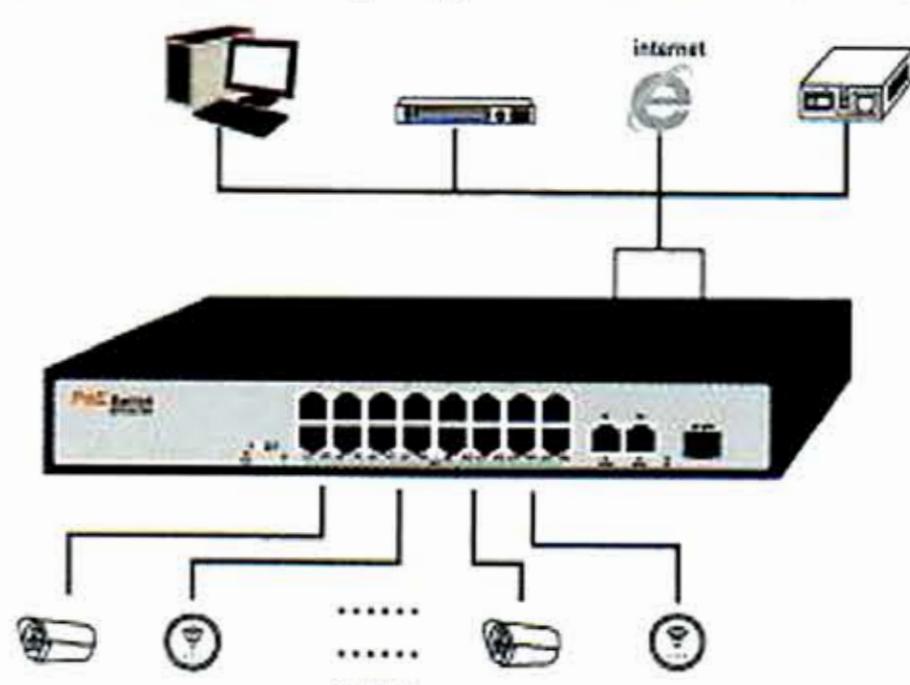
Built-in Power

### Indicator Lights Instructions

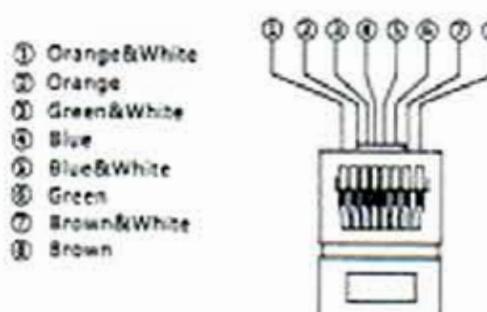
Indicator	Status	Description
Power Indicator/PPWR	ON	Working
	OFF	Power off
Link Indicator Link	Blink	Data transmission properly
	ON	Connect 10M or 100M device
Long Distance Indicator:250M/E	OFF	Not connected device
	Blink	POE ports starts over long distance transmission
POE Indicator/POE	OFF	POE ports close over long distance transmission
	ON	Connected PD device, Working properly
19	Blink	Short circuit or Current overload
	OFF	No connected PD device or No power supply
19	ON	Data transmission of match optical port

### Equipment Connection

When connected to multiple POE devices, using 16+2+1 Hybrid POE switch as example, general connection methods.



Note: Recommended to use 568B international standard for network cables



Please read instruction manual before using this product.

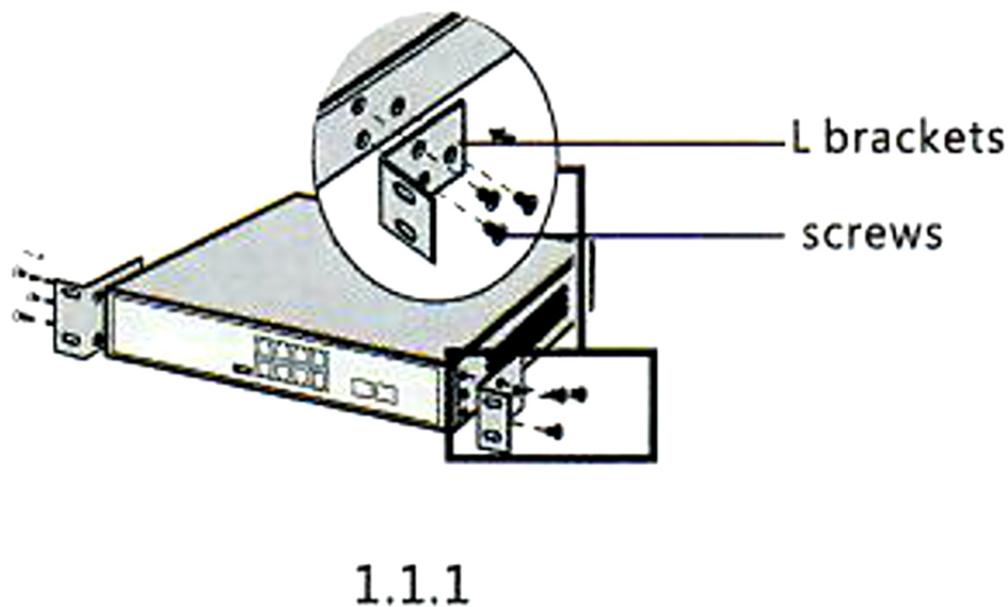
# Technical Parameters

Model		16FP+2G+1S
Ports	POE	16
	100M RJ45	16
	1000M RJ45	2
	1000M SFP	1
Performance	Storage Forwarding	Support
	Exchange capacity	9.2G
	MAC Address	4K
	POE standard	IEEE802.3af, IEEE802.3at Single Port:30W
Power	Power In	{ Optional 250W / 350W Power }
	Power Out	52V
Environment	Working Temperature	: 0~+40
	Storage Temperature	: -40~+70
Supported Standards and Protocols	Working Temperature	: 10% ~ 90% RH Non-condensation
	Storage Temperature	: 5% ~ 90% RH Non-condensation
Default System Mode		Standard shared/250 meters transmission (Optional Switch function)
Data Transmission Rate		Ethernet 10Mbps Half Duplex , 20Mbps full Duplex fast,Ethernet 100Mbps Half Duplex , 200Mbps full Duplex Gigabit ethernet 2000Mbps full Duplex
Network Medium		10Base-T: 2 pairs of Cat 3 or above UTP/STP(< 150m) 100Base-TX: 2 pairs of Cat 5 or above UTP/STP(< 150m) 1000base-TX: 4 pairs of Cat 6 or above UTP/STP(≤150m) 1000Base-SX:52μm/50μm the MMF(2m~550m) 1000 Base-LX:62.5μm/50μm the MMF(2m~550m) or 10μm the SMF (2m~5000m)

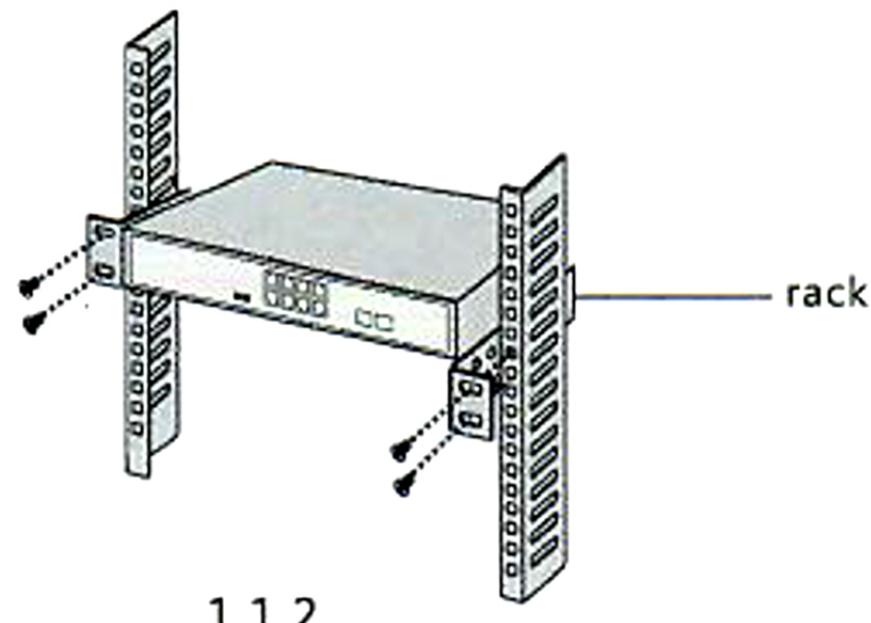
## Installation Guide

### Installation Rack

1. Check the grounding and stability of the rack.
2. The two L brackets are installed on both sides of the switch panel and fixed with screws provided in the accessories, e.g.pic1.1.1
3. Place the switch in the appropriate position in the rack, supported by bracket.
4. Screw the L bracket to the fixed guide slot on both ends of the frame to ensure that the switch is installed on the rack in a stable and horizontal manner.e.g.pic1.1.2



1.1.1

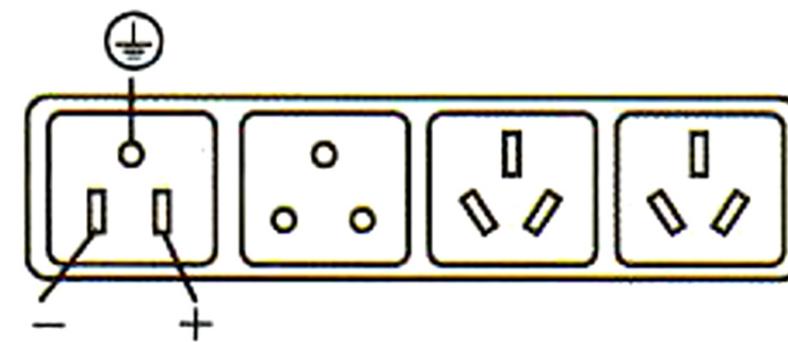


1.1.2

### Installation Guide

#### Power supply socket specification

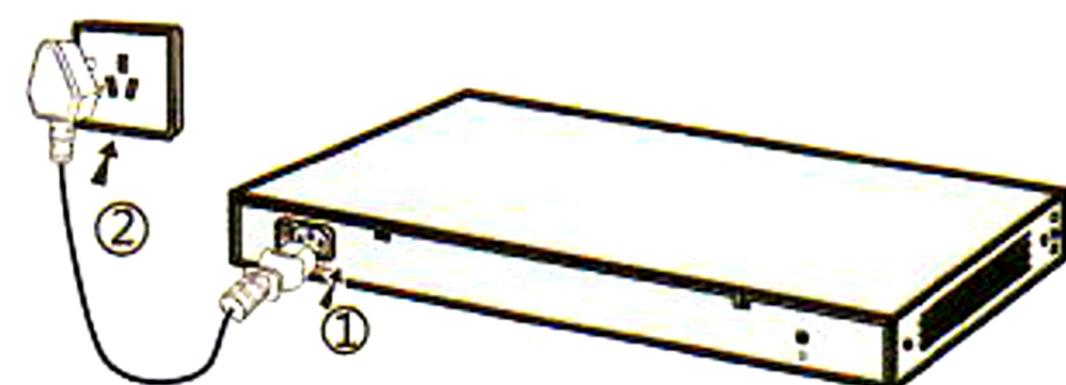
Switch power line single-phase three wire power socket, the middle foot to ground, The left foot on the right foot for the zero line and FireWire, Please check before the operation.



1.2.1

#### Connect the power cord

1. check the selection of power supply and the switch marking requirements;
2. built-in power adapter, direct access to AC200~240V, 50~60Hz city electricity can be



1.2.2

#### Connect to SFP Port

The process of installing optical fiber modules is as follows;

Seize the optical module from the side, insert the SFP along the switch  
Port slot smooth until fiber module contact with the switch closely as shown in figure1.3.1



1.3.1

#### Inspection after installation

Please check the following items after installation

1. check whether there is enough space for heat exchange, air circulation is smooth;
2. check the power supply socket power supply switch is in accordance with the specifications;
3. check the power supply, switchboard, rack and

Please read instruction manual before using this product.