

SWITCH, 16 (PoE) + 4 UPLINK GIGABIT PORTS + 2 SFP SLOTS ART. IPSWP22N01A



Please read this manual thoroughly before use and keep it for future reference

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Package contents

Check the contents of your package:

- PoE switch x 1
- User manual x1
- Power cord x 1
- Accessories

If any part is lost and damaged, please contact your dealer.

Introduction

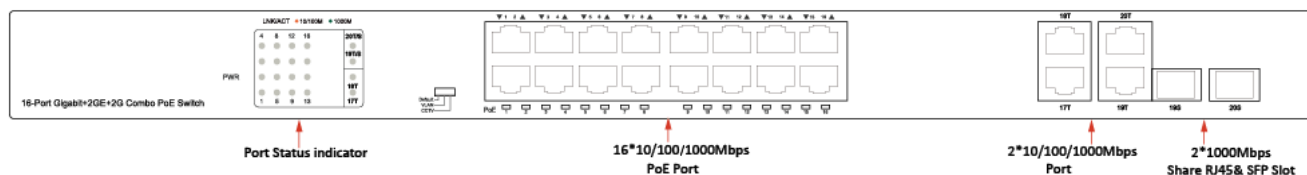
The device have 16 (PoE) + 4 Fast uplink 10/100/1000Mbit/s RJ45 ports + 2 SFP slots that increase the speed of your network server and backbone connections, made Gigabit connection to a server or uplink a network.

The PoE ports automatically detect and power the IEEE 802.3af/at compliant Powered Devices (PD). The power is transmitted with the data in one single cable.

Hardware description

Front panel

The front panel consists of Ethernet RJ45 ports and the related leds.



LED indications

LED	Color	Function
PWR	Green	OFF: no power supply. ON: power supply connected.
LNK/ACT	Green	OFF: no device connected to the corresponding port. ON: the link through the port is successfully established at 1000Mbit/s. Blink: the switch is sending or receiving data.
	Orange	OFF: no device connected to the corresponding port. ON: the link through the port is successfully established at 10/100Mbit/s. Blink: the switch is sending or receiving data.
PoE	Orange	OFF: no PoE (PD) connected. ON: PD successfully connected to the port. Blink: abnormal PoE supply.

DIPswitch

Default: normal communication between the ports 1~20.

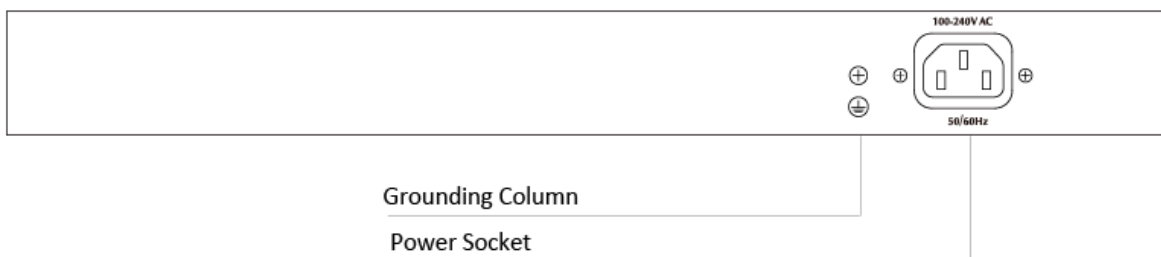
VLAN: 1-16 ports are divided into a single VLAN but can communicate with the ports 17-20.

CCTV: extend the PoE distance up to 250m to expand your network.

Note: after changing the mode, You need to restart the device.

Rear panel

In the rear panel there is an AC inlet power socket, which accepts input from 100 to 240VAC, 50/60HZ.



Power socket

Connect the female connector of the power cord here and the male connector to the AC power outlet. Please make sure that the voltage meets the requirement of the switch input voltage.



: connect to the ground to prevent lightning strike

Installation

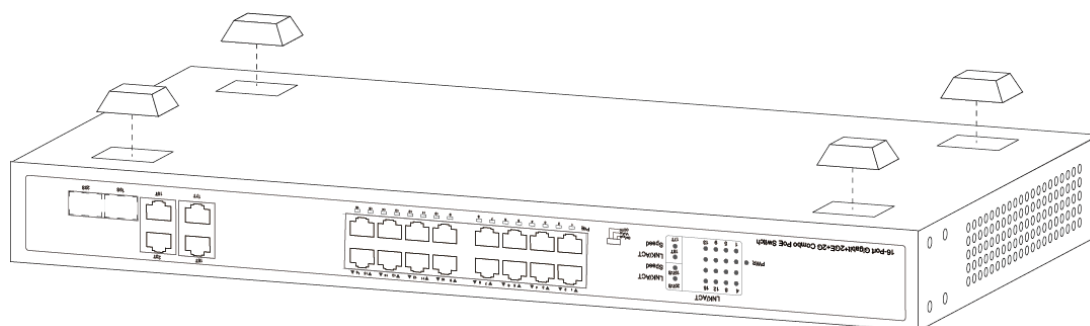
This part describes how to install the switch and make the connections. Please follow the instructions to avoid damages and security problems.

- Before cleaning the switch, unplug the power supply. 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 into the chassis
- Do not place the switch on an unstable place or desk. The switch might be damaged severely in case of fall
- Ensure proper ventilation of the equipment and keep the ventilation vents free of obstructions
- Make sure that the operating voltage is correct

Do not open the chassis while the switch is powered to avoid electrical shocks

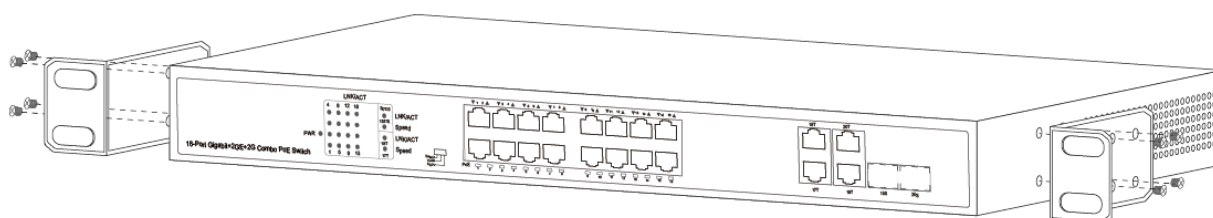
Desktop Installation

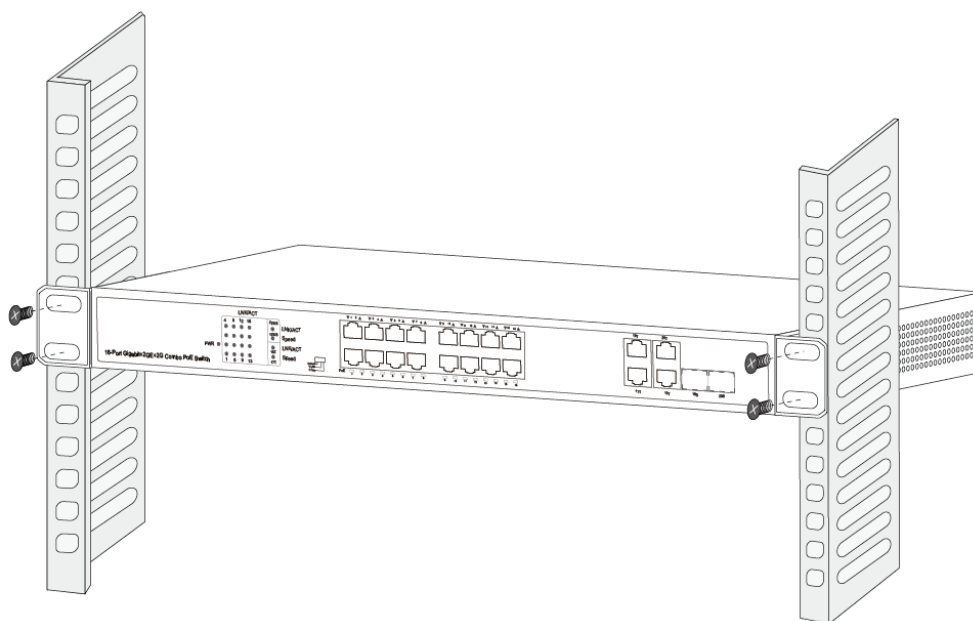
Attach the rubber feet provided on the bottom at each corner. Allow adequate space for ventilation between the device and the objects around it.



Rack-mountable installation

The switch can be installed on an EIA 19-inch rack. 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 rack to mount the switch on the 19-inch rack.





Turn ON the switch

When powered, the switch start automatically, the led lights up.

Note: make sure that the voltage is correct before power ON, otherwise the switch will be damaged.

Specifications

Supported standards	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x, IEEE802.3af, IEEE802.3at
Network cables	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	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	40Gbit/s
Dimensions (L x H x D)	440 x 44 x 207mm
Fan	2
Power supply	100~240VAC, 50/60Hz
PoE ports	1~16
PoE power on RJ45	Mode A: pin 1/2 (+), pin 3/6 (-)
PoE power output	55VDC/32W (max)/port
PoE power budget	250W
Temperature	Operating: 0°C ~ 40 °C (32 °F ~104°F) Storage: -40 °C ~ 70 °C (-40 °F ~158°F)
Humidity	Operating: 10% ~ 90% non-condensing Storage: 5% ~ 90% non-condensing