hasivo®

Manual for S5800P-48F-2TC

Gigabit uplink PoE switch

Sichuan hasivo electronics co.,ltd.

01 Product introduction

Product overview

S5800P-48F-2TC is a full gigabit enterprise level high performance non network management PoE switch independently developed by hasivo. Ports 1-48 support PoE power supply of ieee802.3af/at standard. As PoE power supply equipment, it can automatically detect and identify the power receiving equipment that meets the standard and supply power to it through network cable. It is suitable for hotels, campuses, dormitories and enterprises to set up an economical and efficient PoE network.

Port performance

- Provide 48*10 / 100M PoE RJ45 adaptive ports, all of which can realize line speed forwarding.
- 2 group of combo photoelectric multiplexing uplink ports are provided for high-speed uplink transmission.
- Each port supports MDI / mdix auto flip and duplex / rate self negotiation.
- Support IEEE 802.3x full duplex flow control and backpressure half duplex flow control.

PoE Function

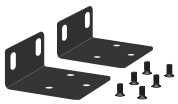
- According to IEEE 802.3af/at/poe + + / BT power supply standard, the maximum Poe output power of the whole machine is 700W, and the maximum Poe output power of single port is 30W (Port 1-2 supports BT 90W power supply).
- Automatically identify PoE devices for power supply without damaging non PoE devices.
- 800 Watts high efficiency full voltage power supply, adapt to global voltage, provide strong power for equipment.

02 Spare parts list

Switch

AC power cable

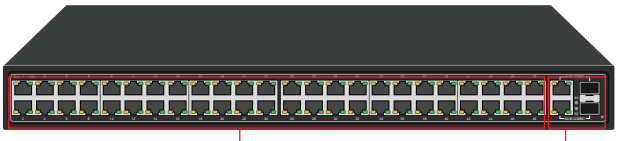
User manual+Warranty Card



Rack hanger

03 Product display

Front



Downlink port

Uplink port and Indicator

Back

Ground screw

AC Power

Indicator definition:

Indicator		Status	Description
Power indicator		Green light is always on	Power on normal
		Always off	No power
Downlink port indicator	Green	Light is on	The corresponding port has data transmission
	Orange	Light is on	The corresponding port PoE output normal
Uplink port indicator	Green	Light is on	The corresponding port works at 10/100M speed
	Orange	Light is on	The corresponding port works at 1000M speed
SFP indicator: 49-50		Light is on	The corresponding SFP port has data transmission

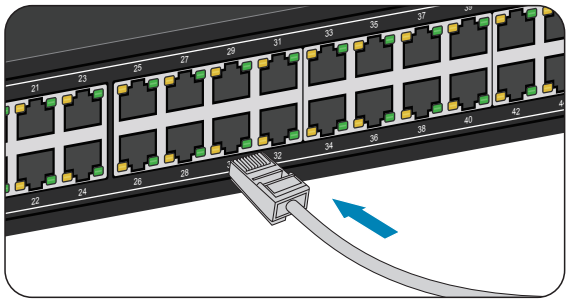
04 Installation&Points of attention

Checking before installation

1.Check whether the accessories are complete. If there is any omission, please contact us.
2.Check whether the power supply voltage is consistent with the working voltage of the switch,so as to avoid the equipment burning out due to high voltage.
3.Ensure that the installation position of the switch has certain ventilation and heat dissipation conditions.
4.Please keep the power off during installation to avoid potential safety hazards.
5.Please install the switch on a stable plane to avoid falling and damage.

Port installation and connection

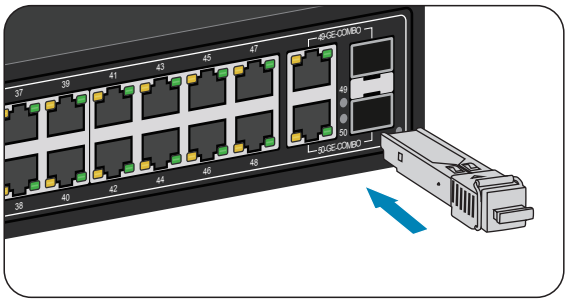
Insert the data cable



As shown in the figure, insert the crystal head of the data cable into the network port. When you hear a clear click, it indicates that the crystal head is successfully connected with the network port of the switch. Just plug in all the network cables of the network equipment in this way.

（Note: 1-48 network ports are downlink ports, which need to be connected with network equipment; 49-50 COMBO ports are uplink ports which needs to be connected to router, server and other devices.）

Install the SFP module

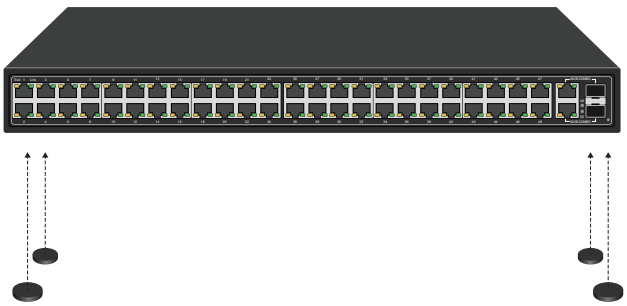


As shown in the figure, align the optical fiber module with the optical port of the SFP and insert it smoothly. When you hear a clear click, it indicates that the optical fiber module is installed successfully. Just install the two optical fiber modules in this way.

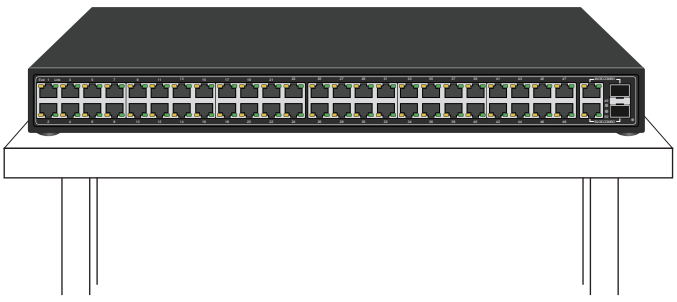
（Note: single fiber optical module should be used in pairs with 1310nm A and 1550nm B.Please purchase and check by yourself before installation ）

Install to desktop

Attach the four non slip rubber footmats that came with the device to the bottom corners of the switch.

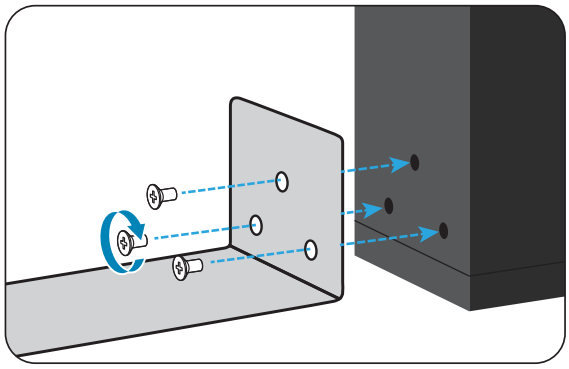


Place the switch on the horizontal desktop in the ventilation area.

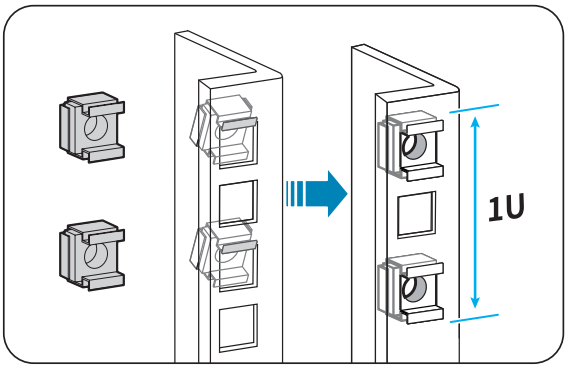


Install to cabinet/Rack

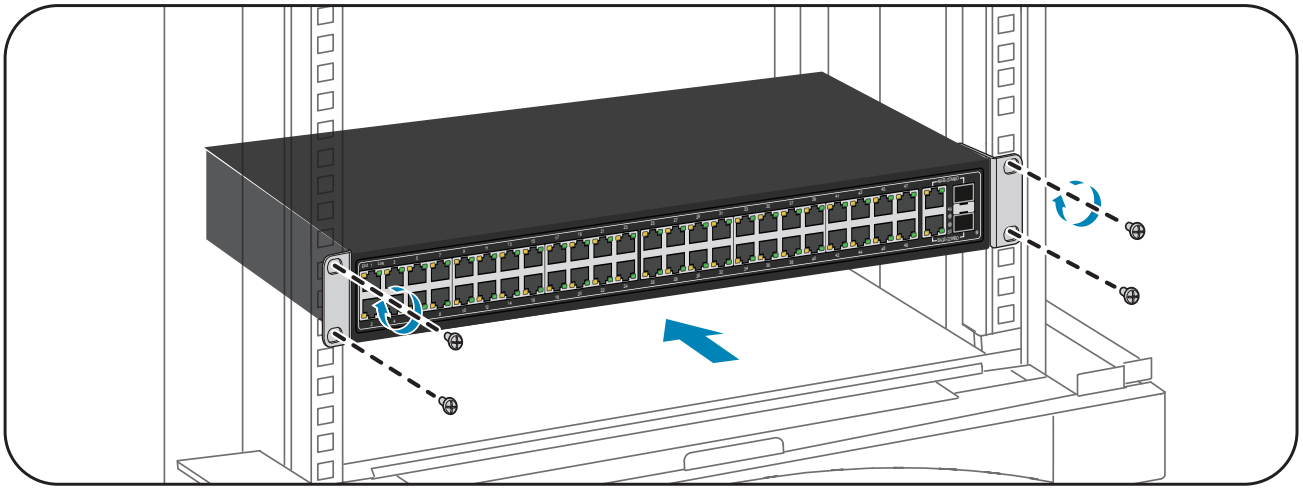
1.Install the rack lug attached to the equipment to both sides of the switch with screws



2.Install floating nut on cabinet / rack

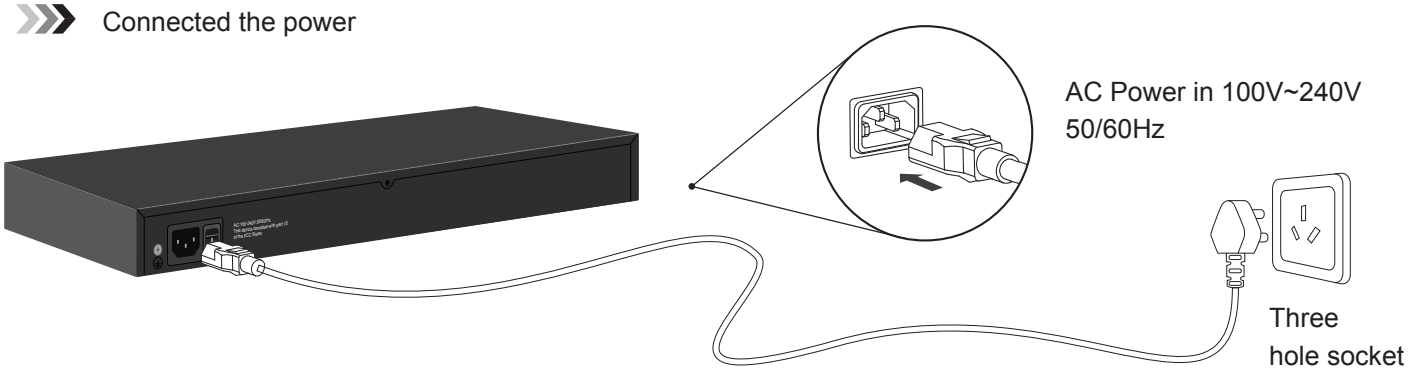


3. Put the switch installed with the lug into the cabinet and screw on the screw to complete the installation.



Power on

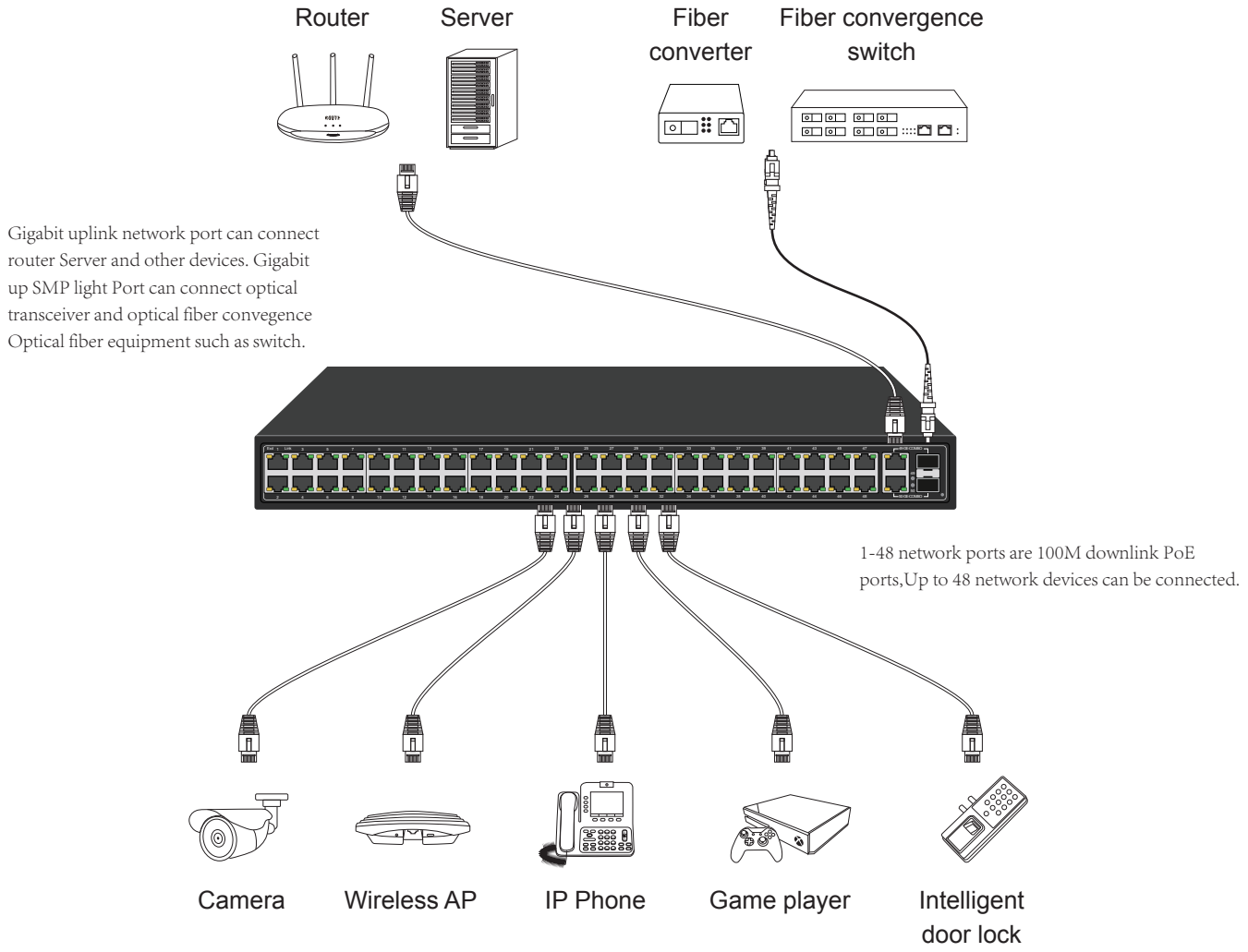
Connected the power



Points of attention

1.Do not stack heavy objects on the switch to avoid danger.
2.In order to avoid the risk of electric shock, please do not open the machine box when the switch is working, even if it is not powered on, please contact us in case of any problem.
3.Before cleaning the switch, pull out the power plug of the switch. Do not wipe it with wet fabric or clean it with liquid.
4.If the power adapter is damaged, do not replace it with other power adapters. This switch should be equipped with original power adapter.

05 Application



06 Common troubleshooting

⚠ *The PWR indicator is not on after the power is connected → Check whether the power adapter and plug are connected correctly, whether the power cord is damaged, and whether the power adapter is damaged.*

⚠ *Switch cannot communicate after power up → Check whether the switch indicator is on. If the indicator is off, the network cable is not connected. If the indicator is on, the communication fault is indicated.*

⚠ *Switch network speed suddenly become very slow → Take off the plug and restart the switch.*

[If the above problems or other switch problems can not be solved, please contact us for technical support]

07 Product Parameter

Model	**S5800P-48F-2TC**
Product	**Gigabit 48+2 PoE Switch**
Fixed Port	48*10/100Base-TX PoE port 2*COMBO
PoE Port	1-48 port supports PoE
Network Protocol	IEEE 802.3 IEEE 802.3i 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab1000BASE-T IEEE 802.3x IEEE 802.3z 1000BASE-X
PoE Standard	3-48 ports IEEE802.3af/at 1-2 ports IEEE802.3af/at/PoE++/BT
Port Specification	10/100/1000BaseT（X） Auto
Transmission Mode	Store and Forward(full wirespeed)
Bandwidth	17.6Gbps
Packet Forwarding	12.67Mpps
MAC Address	8K
Buffer	4.1M
Transmission Distance	10BASE-T： Cat3,4,5 UTP(≤250 meter) 100BASE-TX： Cat5 or later UTP(150 meter) 1000BASE-TX： Cat6 or later UTP(150 meter) 1000BASE-SX:62.5μm/50μm MMF(2m~550m) 1000BASE-LX:62.5μm/50μm MM(2m~550m) or 10μm SMF(2m~5000m)
Power pin	Default1/2(+)，3/6(-)；Optional order 4/5(+)，7/8(-)
Single port power	Average 15.4W；MAX 30W;1-2 port MAX 90W
Total power/Input voltage	MAX 800W
Watt	Standby Power Consumption：≤30W；
LED Indicator	Power LED 49 50:(SFP LED) Uplink:(Green=10/100MLED+Orange=1000M LED) Port:(Orange=PoE LED+Green=Link LED)
Power Input	Built-in power AC：100～240V 50-60Hz 11.2A
Operating Temperature/Humidity	-10～+55°C；5%～90% RH Non coagulation
Storage Temperature/Humidity	-40～+75°C；5%～95% RH Non coagulation
Product size/Packing size（L*W*H）	445mm*295mm*45mm 515mm*375mm*95mm
N.W/G.W（kg）	5kg/5.8kg
Installation	Rack-mount(optional machine hanger spare parts)

Lightning protection level	3KV 8/20us； IP30
Certificate	CE mark, commercial； CE/LVD EN60950； FCC Part 15 Class B； RoHS；
Warranty	Whole device for 1 year(Accessories not included）

hasivo®

Sichuan hasivo electronics CO.,LTD.

Address: NO.5-2 Anping street, New District, Economic Development Zone, Meishan City,Sichuan Province,China.

Post code: 620010

Offical website: http://www.hasivo.com

After-sale service: 028-38288776

Technical service: 028-38119776