



Full Gigabit Fiber PoE Switch

➤ User Manual

S1100P-8G-2GX



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1 Overview

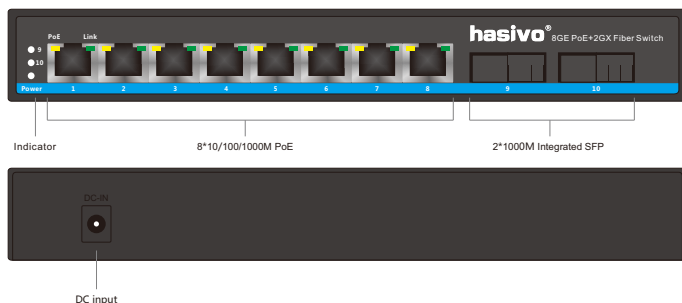
The S1100P-8G-2GX Unmanaged Optical PoE Switch adopts the patented PSE intelligent chip scheme, and the optical cable is used as the transmission medium. The speed is fast. The transmission distance of the integrated optical port can be up to 20KM, and the anti-interference ability is strong. The use of this equipment can facilitate the enterprise engineering remote project layout, facilitate centralized management and reduce the failure rate!

Features

- ◆ Standard: IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE802.3z.
- ◆ PoE Standard: IEEE 802.3af/at HiPoE PoE++, support all ports standard detection.
- ◆ Support power supply for PoE equipments such as AP and network monitoring camera connected by Cat5/6 ethernet cables.
- ◆ Flow control method: full duplex adapts IEEE802.3, half duplex adapts Back pressure.
- ◆ Port supports Auto MDI/MDIX.
- ◆ Single port PoE power: 30W (optional first port output power: HiPoE_60W).
- ◆ Exchanging Mechanism: store and forward.
- ◆ Fiber port has inherent and integrated module (can choose 20KM transmission distance)
- ◆ All ports support exchange at wire speed; support 9K jumbo frame transmission
- ◆ Zero-configuration: automatically supply for adaptive equipments.
- ◆ Panel indicator monitors operating status and helps fault analysis.

2 Product Display

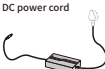



S1100P-8G-2GX, 8*10/100/1000M PoE+2*1000M Integrated SFP



Indicator definition

Front indicator	state	Description
Power indicator: Power	on	Power on
	off	Power off
PoE indicator: PoE	on	PoE on
	off	PoE off
Network indicator: Link	on	The corresponding port works at 10/100M
	blink	Link on
	off	Link off
Integrated SFP indicator: 9-10	on	SFP on
	off	SFP off

Product matching list

 One switch 	 One DC power cord 	 A user manual and warranty card 	 Optional wall-mounted or rack ear accessories 
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⚠ PS: SFP models do not include optical modules by default. If you find any shortage or damage of accessories, please contact us in time

3 Installation and attentions

For the safe installation operation of switch, suggestion:

- Check up that the power wire is securely wrapped into the AC power connection or not.
- Ensure the adequate heat dissipation and ventilation around the switch.
- Do not stack heavy objects on the switch.

Desktop

When installing the switch on the desktop, the rubber feet that come with the device must be installed on the four corners of the bottom of the device. Please leave aside enough space between the device and other surrounding objects for good ventilation.



Specification of power socket

The switch adopts single-phase three-pin power socket, the middle one is the G wire, the left one is the N wire, and the right one is the L wire. Please check before operation.

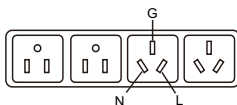


Figure1. 2. 1 three-pin socket(Single-phase)

Connect the power wire

1. Check up that the power supply is consistent with the marked requirements by the switch or not;
2. The external type requires a power adapter, which can be directly connected to the 52V 2.5A mains supply; As shown in Figure 1.2.2.

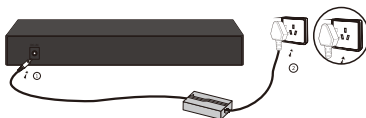


Fig.1.2.2 Power connection schematic diagram

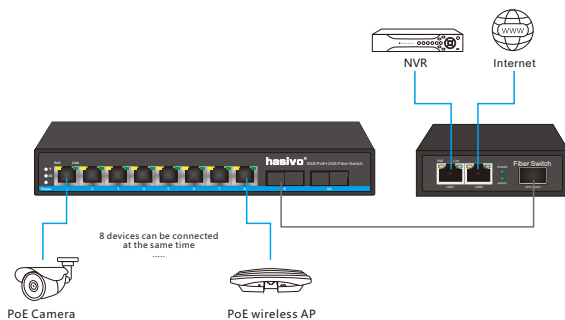
The inspection after installation

Please check up the following items after installation:

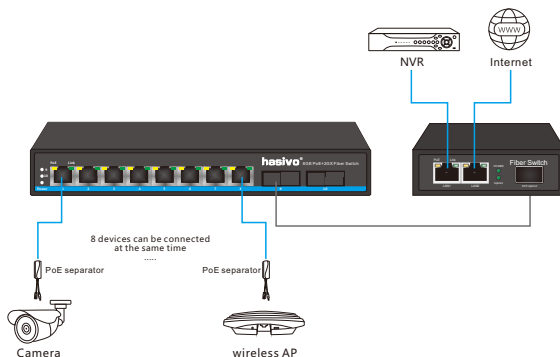
1. Enough cooling space around the switch and smooth air circulation
2. The power supply from the power socket conforms to the switch requirements;
3. The power supply, switch, rack and other equipments are properly grounded;

4 Application

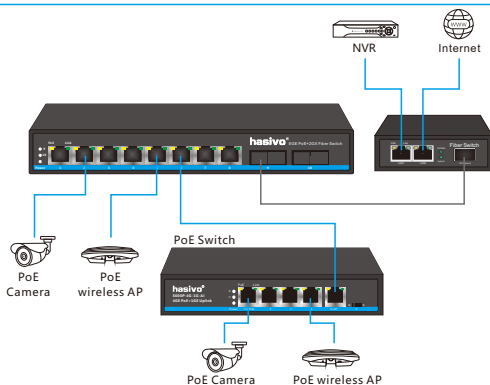
Option 1



Option 2



Option 3



5 Parameter

Model	S1100P-8G-2GX
Product	Full Gigabit 8+2 Fiber PoE Switch
Fixed Port	8*10/100/1000Base-TX PoE port (Data) 2*1000M Integrated SFP (optional1310/1550)
PoE Ports	1-8 port supports PoE(optional first port outputs HiPoE_60W)
Network Protocol	IEEE802.3 IEEE802.3i 10BASE-T IEEE802.3u100BASE-TX IEEE 802.3ab1000BASE-T IEEE802.3x IEEE 802.3z 1000BASE-X IEEE802.3af/at(HiPoE PoE++ optional)
Port Specification	10/100/1000Base T (X) Auto
Transmission Mode	Store and forward (full line speed)
Bandwidth	20Gbps
Packet Forwarding	14.44Mpps
MAC Address	2K
Buffer	2.5M
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) Single mode single fiber (MAX 20KM) Single mode double fiber (MAX 20KM) Multiple mode double fiber (MAX 850meters/2KM) Optional 3-80km SFP
Power Pin	Default 1/2(+),3/6(-); Optional order 4/5(+),7/8(-)
Single port power	30W/15.4W
Total power/Input voltage	MAX 120W (52V 2.5A)
Watt	Standby power consumption:≤5W
LED Indicator	Power:Power LED 9~10:(Integrated SFP LED) Port:(Orange=PoE LED+Green=Link LED)
Power Input	External power DC 52V 2.5A
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)	225mm*105mm*35mm 290mm*172mm*100mm
N.W/G.W(kg)	0.4kg/1.2kg
Installation	Desktop(optional wall+machine hanger parts)
Lightning protection level	3KV 8/20us ; IP30
Certificate	3C ; CE-EMC EN55032 ; CE-LVD EN62368 ; FCC Part 15 Class B ; RoHS ;
Warranty	Whole device for 1 year(Accessories not included)

Matters needing attention

To avoid equipment damage and personal injury caused by improper use, please follow the following precautions:

- During installation, keep the power off, wear anti-static wrist, and ensure that the anti-static wrist is in good contact with the skin to avoid potential damage. Potential safety hazards in;
- The switch can work normally only under the correct power supply. Please confirm that the power supply voltage is consistent with the voltage marked by the switch;
- Before the switch is powered on, please make sure that the power circuit will not be overloaded, so as not to affect the normal operation of the switch or even cause unnecessary damage;
- In order to avoid the risk of electric shock, do not open the shell when the switch is working, and do not open it by yourself even when it is not charged;
- Before cleaning the switch, pull out the power plug of the switch. Do not wipe it with wet fabric or clean it with liquid;
- The equipment installed in the rack is generally from bottom to top to avoid overload installation;
- Avoid placing other heavy objects on the surface of the switch to avoid accidents.

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