hasivo®

Manual for S1100-8G-1GX

Gigabit Optical Fiber Transerver

Sichuan hasivo electronics co.,ltd.

01 Product introduction

Product overview

hasivo independently developed S1100-8G-1GX gigabit optical fiber transceiver.Comply with international standard and optical fiber cable is used as transmission medium.with high speed.long distance. strong anti-interference ability. Built in integrated optical port, the transmission distance can reach 20km. The equipment can facilitate the long-distance layout of enterprise projects, realize centralized network management, and reduce equipment and network failures.

Port performance

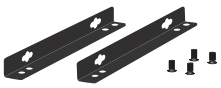
- Provide 8*10/100/1000M RJ45 port which can realize line speed forwarding.
- Provide 1*1000M integrated SC optical fiber interface(Optional Single fiber/Double fiver or Customized FC).
- Using WDM technology, The transmitting wavelength is 1310nm, The receiving wavelength is 1550nm, the max distance can be 20km.
- Each port supports MDI/MDIX automatic flip and duplex / rate self negotiation.
- Support IEEE 802.3x full duplex flow control and backpressure half duplex flow control.

02 Spare parts list

Fiber Transerver

DC adapter

User manual+Warranty Card

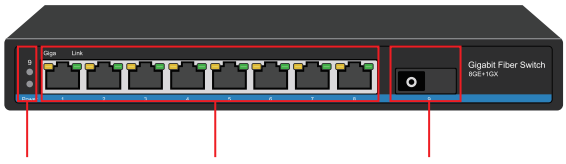


Wall hanger

Tips: *Integrated optical port with module, It can be paired with 1310A and 1550B to use.*

03 Product display

Front



Indicator Downlink Port Integrated optical port

Back

DC Power

Indicator definition:

Indicator		Status	Description
Power indicator: POWER		Green light is always on	Power on normal
		Always off	No power
Network indicator	Green	Light is flashing	The corresponding port works at 10/100M speed
	Orange	Light is flashing	The corresponding port works at 1000M speed
Integrated SFP LED:9		Light is on	The Integrated SFP port has data transmission

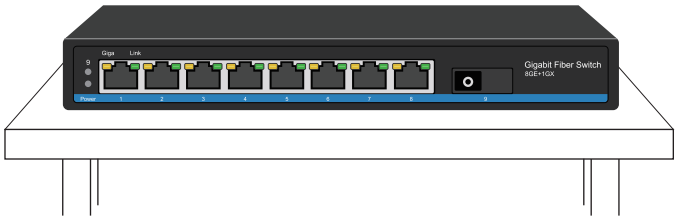
04 Installation&Points of attention

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.

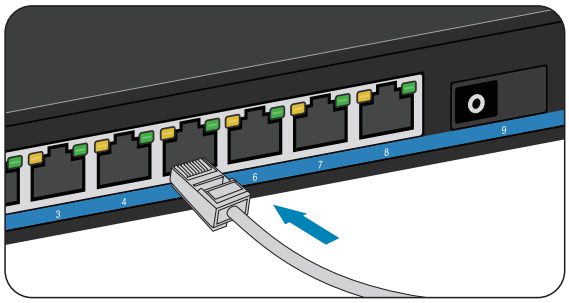
Install to desktop

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



2.Insert the data cable and fiber optical connector

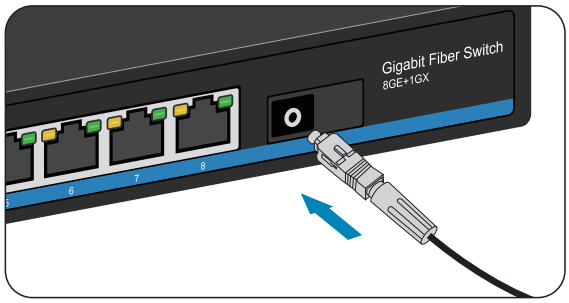
Insert the data cable



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: 1-8network ports are downlink ports, which need to be connected with network equipment.)

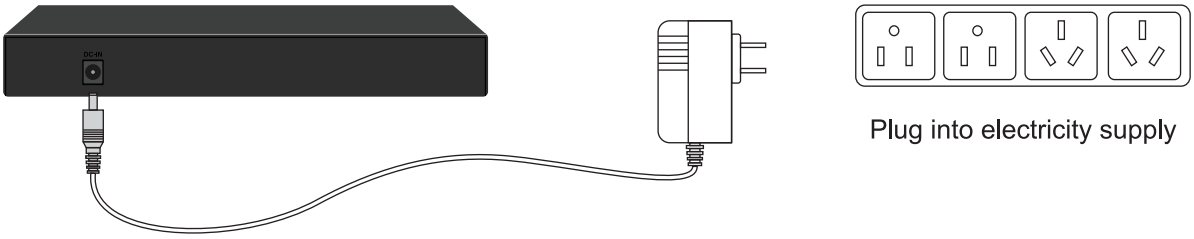
Install the fiber optical connector



Insert the fiber connector into the fiber hole as shown in the figure,make sure that the optical fiber plug slot is tightly connected with the optical port, then finished the installation.

(Note: Integrated optical port with module, It can be paired with 1310A and 1510B to use.)

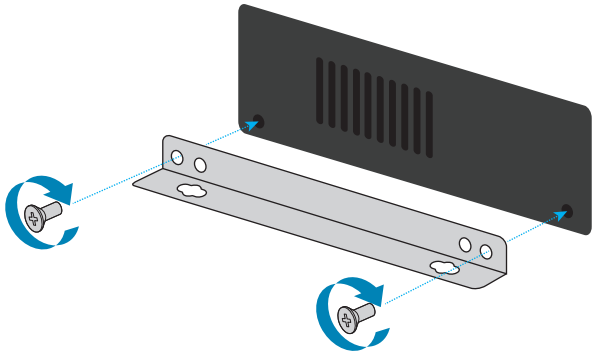
3.Connected the power



Plug into electricity supply

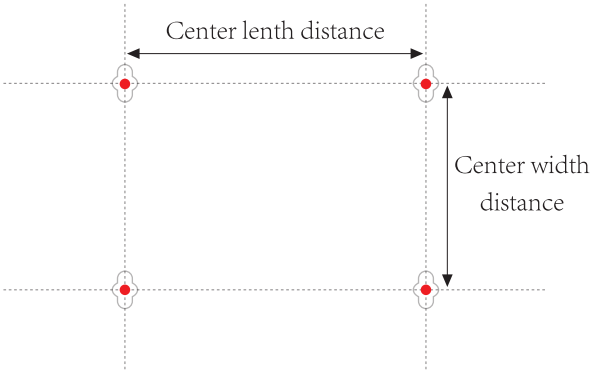
Fix the switch on the wall

1.Install the wall hanger with the screw on the sides of the switch

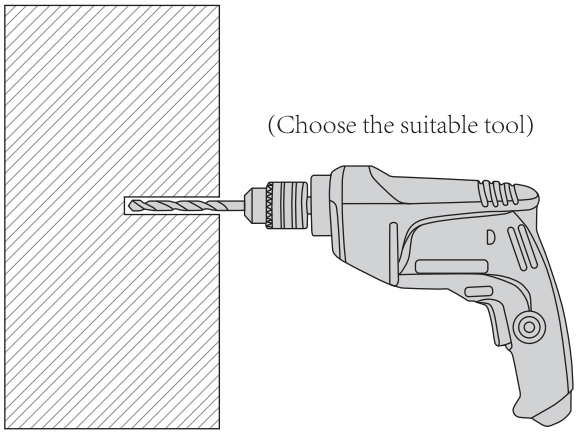


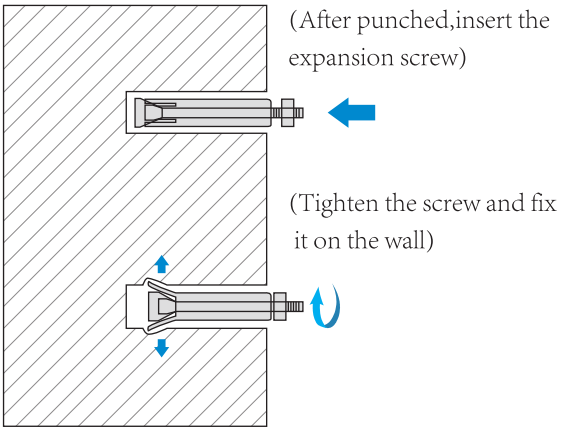
2.Mark the hole position on the wall

(Measure the distance between the wall hanger hole)

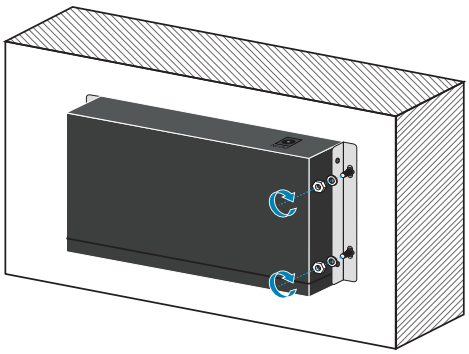


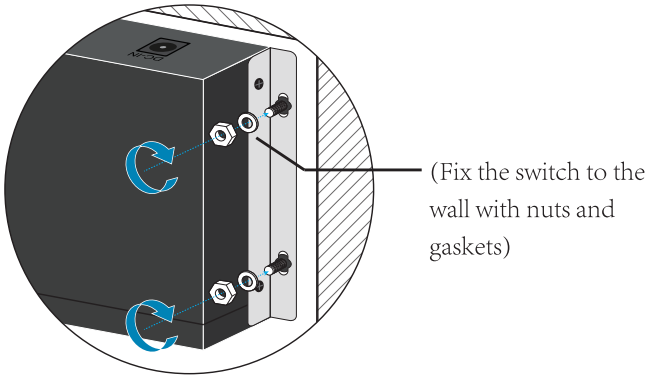
3.Punch and install expansion screw





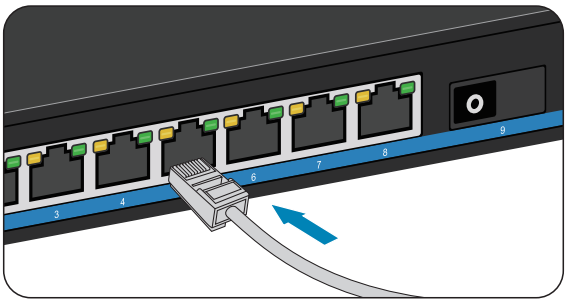
4.Fix the switch on the wall



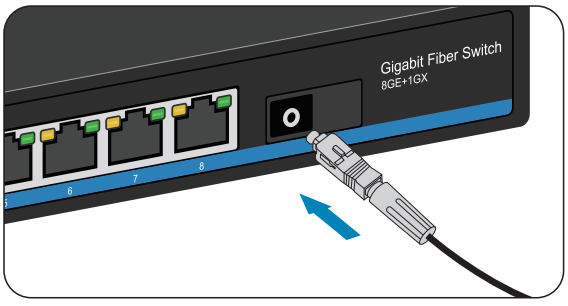


5.Insert the data cable and fiber optical connector

Insert the data cable



Install the fiber optical connector



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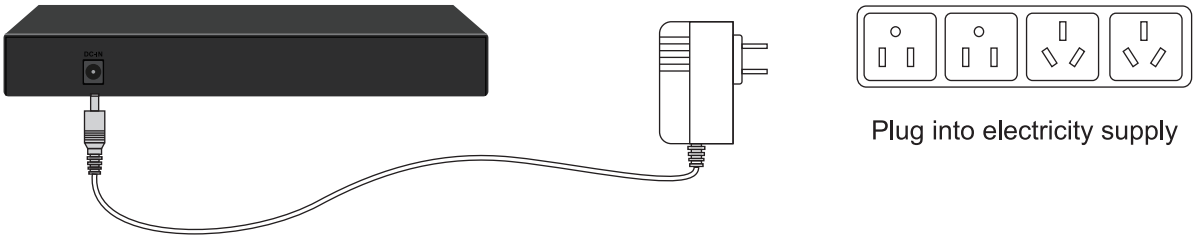
6.Connected the power

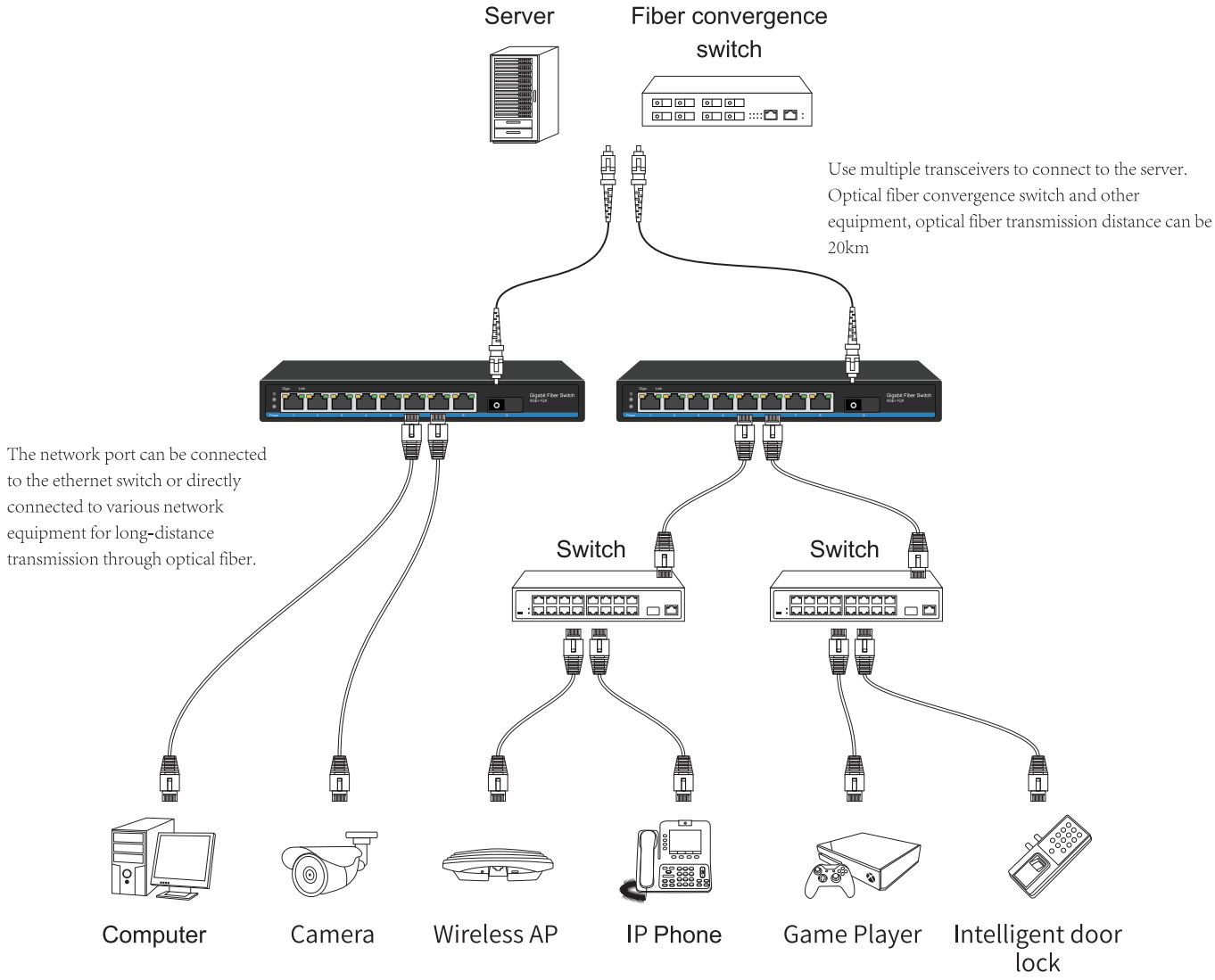


Points of attention

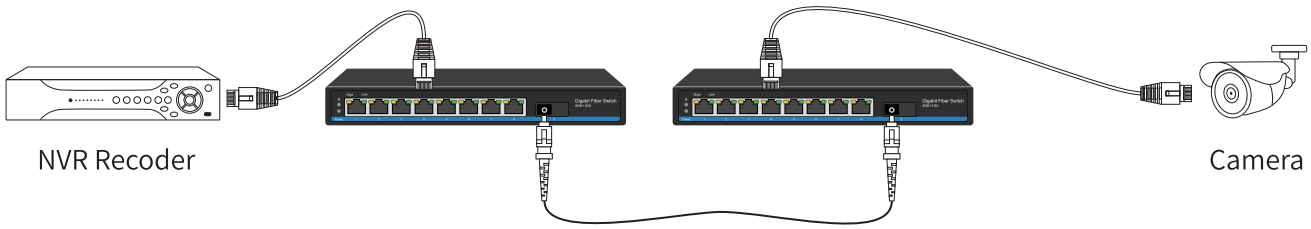
1.Do not stack heavy objects on the switch to avoid danger.
2.In order to avoid the risk of electric shock, please do not open the machine box when the switch is working, even if it is not powered on, please contact us in case of any problem.
3.Before cleaning the switch, pull out the power plug of the 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

1.Multiplexing application



2.Fiber to fiber application



Two optical fiber transceivers are used for single channel optical fiber transmission to realize fast and direct transmission of network equipment data.

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	**S1100-8G-1GX**
Product	**Gigabit Ethernet 8+1 Fiber Switch**
Fixed Port	8*10/100/1000Base-TX RJ45 port (Data) 1*1000M Integrated SFP（optional 1310/1550）
Network Protocol	IEEE 802.3 IEEE 802.3i 10BASE-T IEEE 802.3u100BASE-TX IEEE 802.3ab1000BASE-T IEEE 802.3x IEEE 802.3z 100BASE-X
Port Specification	10/100/1000BaseT（X） Auto
Transmission Mode	Store and Forward（full wirespeed）
Bandwidth	20Gbps
Packet Forwarding	12.96Mpps
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 850M/2KM) Optional 3-80KM SFP
Watt	≤6W
LED Indicator	Power: Power LED Port:(Green=100M Orange=1000M) 9:（SFP LED）
Power	External Power DC：12V 1A
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）	210mm*85mm*28mm 305mm*205mm*55mm
N.W/G.W（kg）	0.4kg/0.7kg
Installation	Desktop(optional external wall hanger 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®

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