hasivo®

➤ Manual for F1100-8S-2G

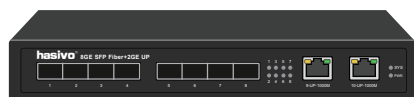### Gigabit Optical Fiber Switch

01 Product introduction

Product overview

hasivo independently developed F1100-8S-2G optical fiber convergence switch.which has rich business characteristics, is mainly located in the core or sink layer of user networks such as industrial parks, buildings, factories and mines,government agencies and residential areas to realize long-distance optical fiber signal transmission.

Port performance

◆ Provide 8*1000M SFP ports which can realize line speed forwarding.

◆ Provide 2*10/100/1000M RJ45 uplink ports for high-speed uplink transmission.

◆ Each port supports MDI/MDIX automatic flip and duplex / rate self negotiation.

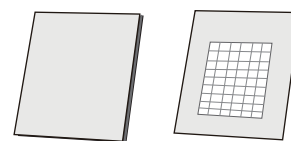◆ Support IEEE 802.3x full duplex flow control and backpressure half duplex flow control.
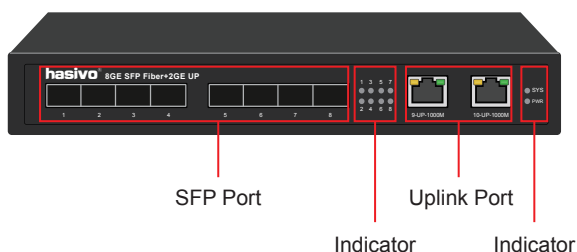
02 Spare parts list

| Switch | DC adapter | User manual+Warranty Card |

03 Product display

| Front | Back |

SFP Port Uplink Port Indicator Indicator

DC Power

Indicator definition:

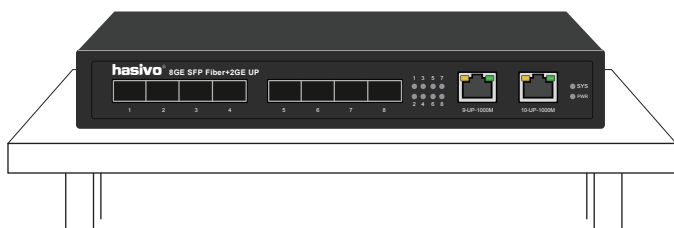| Indicator		Status	Description
Power indicator: PWR		Green on	Power on
		off	Power off
System indicator: SYS		\	\
Network indicator	Green	blink	The corresponding port works at 10/100M speed
	Orange	blink	The corresponding port works at 1000M speed
SFP LED:1-8		on	The corresponding port has data transmission

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.
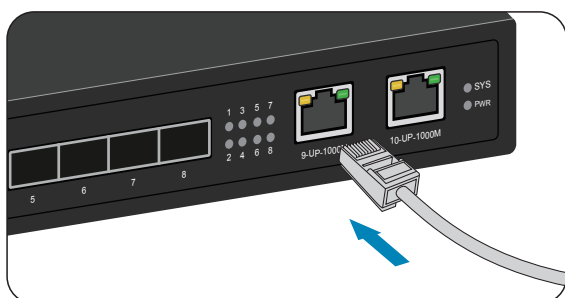5. Please install the switch on a stable plane to avoid falling and damage.

Install to desktop

1. Place the switch on the horizontal desktop in the ventilation area.
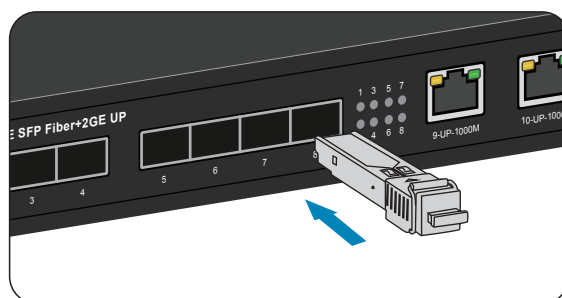
2.Insert the data cable and SFP module

>>> Insert the data cable

>>> Install the SFP module

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.

(9-10 network port are uplink ports which needs to be connected to router, server and other devices.)
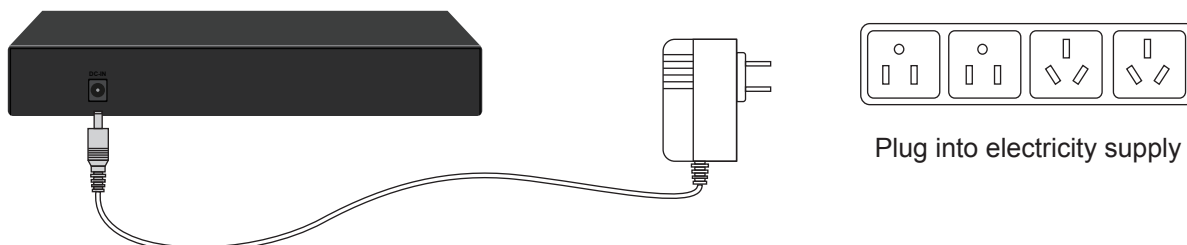
As shown in the figure, align the optical fiber module with the optical port of the SFP and insert it smoothly. When you hear a clear click, it indicates that the optical fiber module is installed successfully. Just install the two optical fiber modules in this way.

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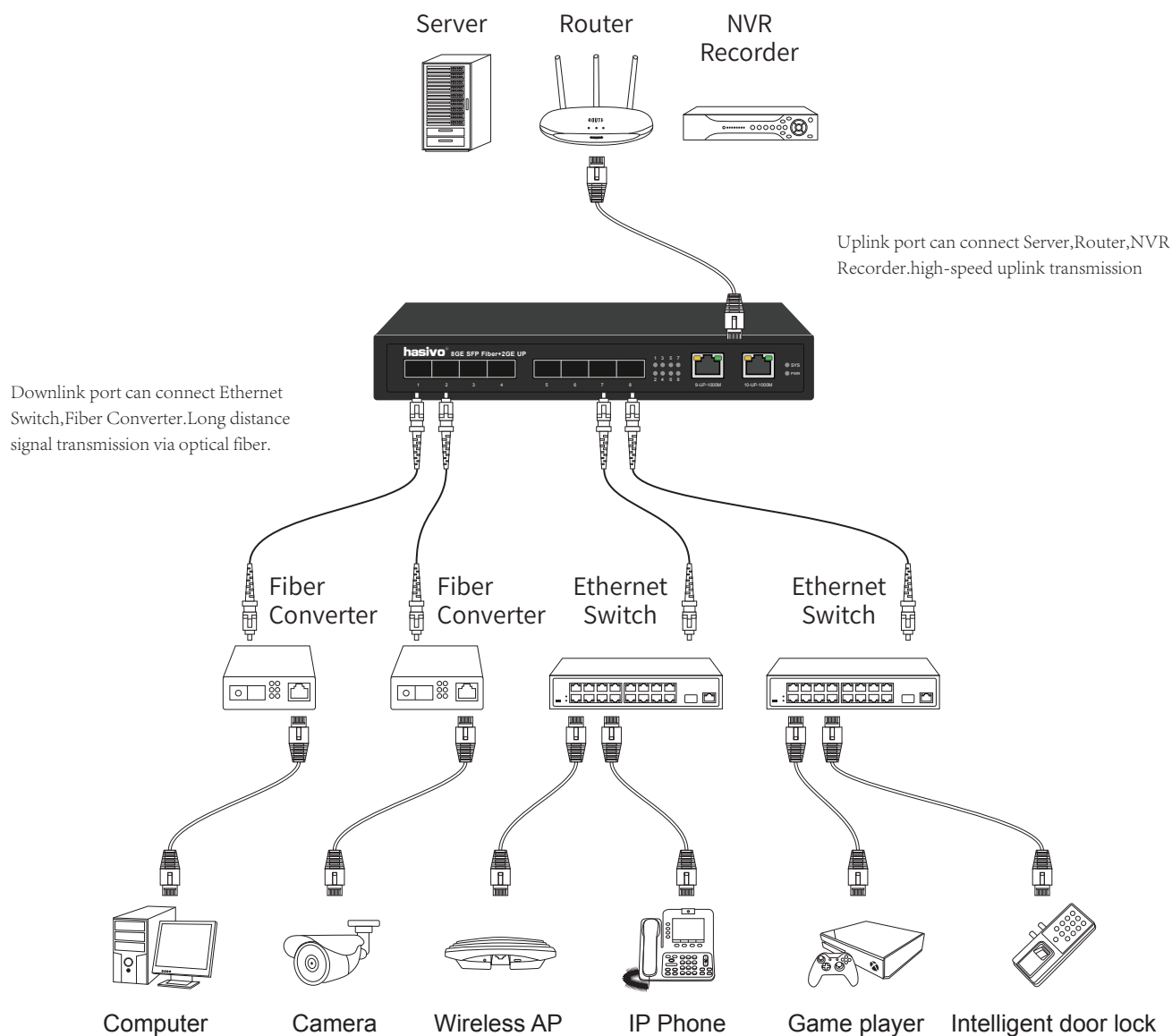
3.Connected the power

Plug into electricity supply

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

Server   Router   NVR Recorder

Uplink port can connect Server,Router,NVR Recorder.high-speed uplink transmission

Downlink port can connect Ethernet Switch,Fiber Converter.Long distance signal transmission via optical fiber.

Fiber Converter   Fiber Converter   Ethernet Switch   Ethernet Switch

Computer   Camera   Wireless AP   IP Phone   Game player   Intelligent door lock

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	F1100-8S-2G
Product	**All Gigabit 8+2 Fiber Switch**
Fixed Port	2*10/100/1000Base-TX RJ45 port(Data) 8*1000M SFP
Network Protocol	IEEE802.3 IEEE802.3i 10BASE-T IEEE802.3u100BASE-TX IEEE 802.3ab1000BASE-T IEEE802.3x IEEE 802.3z 1000BASE-X
Port Specification	10/100/1000BaseT（X）Auto
Transmission Mode	Store and Forward（full wirespeed）
Bandwidth	32Gbps
Packet Forwarding	14.44Mpps
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) Optional single mode single fiber(MAX 20KM) Optional single mode double fiber (MAX 20KM) Optional multiple mode double fiber(MAX 850M/2KM) Optional 3-80KM SFP
Watt	≤15W
LED Indicator	PWR:Power LED SYS:(System LED） Port:(Green=10/100M LED+Orange=1000M LED) 1~8:(SFP LED）
Power	External Power DC：12V 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）	225mm*105mm*35mm 295mm*170mm*100mm
N.W/G.W（kg）	0.6kg/0.9kg
Installation	Desktop
Lightning protection level	3KV 8/20us； IP30
Certificate	3C;CE mark, commercial；CE/LVD EN60950； FCC Part 15 Class B；RoHS；
Warranty	Whole device for 1 year(Accessories not included)

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