

# ➤ **Manual for F5800-18S-8G**

**Gigabit Optical Fiber Switch**

## 01 Product introduction

### Product overview

**hasivo** independently developed F5800-18S-8G 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 18\*1000M SFP ports which can realize line speed forwarding.
- ◆ Provide 8\*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



AC power cable



User manual+Warranty Card



Rack hanger

## 03 Product display

Front



Indicator

Uplink port

SFP port

Back



AC Power

Ground screw

AC Power

Ground screw

### Indicator definition:

Indicator	Status	Description
Power indicator: PWR	Green light is always on	Power on normal
	Always off	No power
LINK/ACT indicator: 1~26 [2 and 3 Line]	Light is on	The corresponding port works at 10/100M speed
	Light is flashing	The corresponding port has data transmission
	Always off	The corresponding port hasn't data transmission
1000M indicator: 1~26 [1 and 4 Line]	Light is on	The corresponding port works at 1000M speed
System indicator :SYS	\	\
Main power :MS	Light is on	Main power on normal
Subsidiary power :SL	Light is on	Subsidiary power on normal

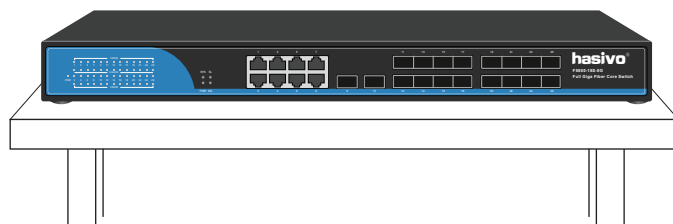
## 04 Installation & Points of attention

### 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.

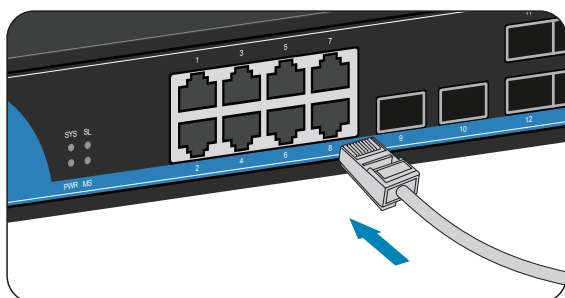
### Install to desktop

1. Attach the four non slip rubber footmats that came with the device to the bottom four corners of the switch.
2. Place the switch on the horizontal desktop in the ventilation area.



3. Insert the data cable and SFP module

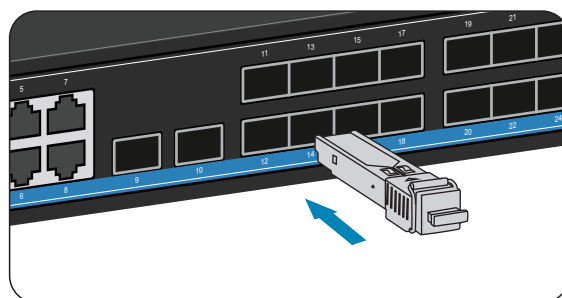
➤➤➤ Insert the data cable



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.

(1-8 network port are uplink ports which needs to be connected to router, server and other devices.)

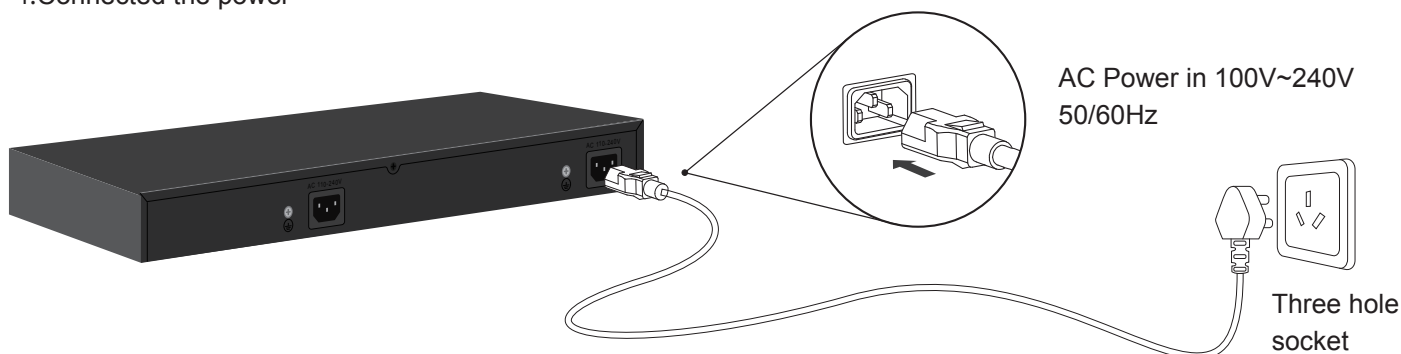
➤➤➤ Install the SFP module



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.

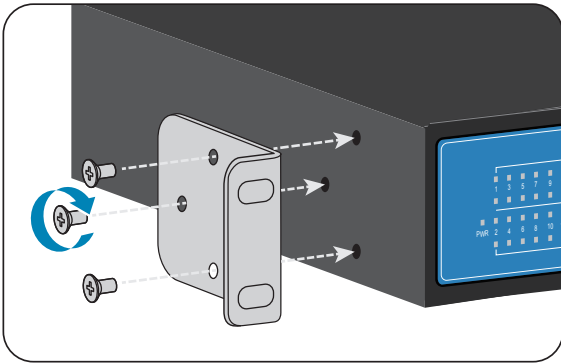
(Note: single fiber optical module should be used in pairs with 1310nm A and 1550nm B. Please purchase and check by yourself before installation)

4. Connected the power

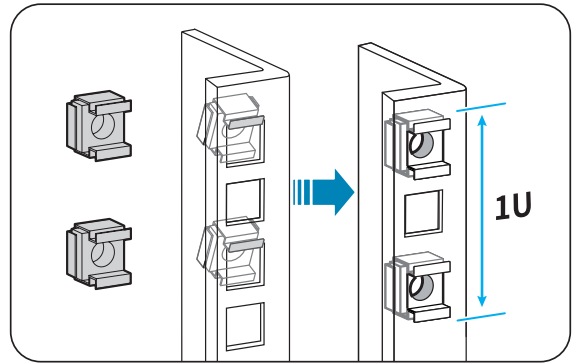


## Install to cabinet/Rack

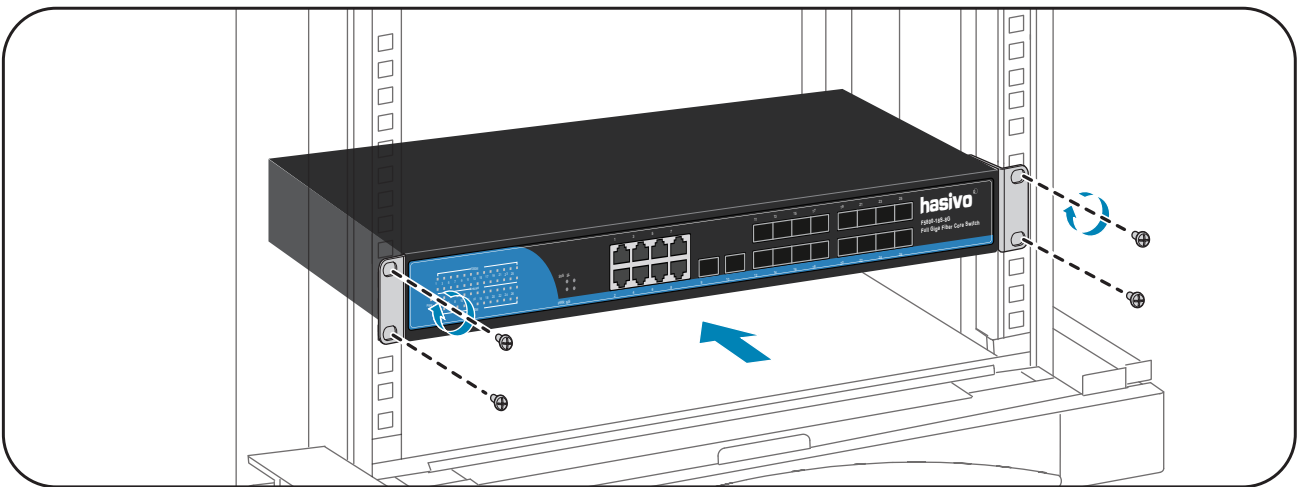
1. install the rack lug attached to the equipment to both sides of the switch with screws



2. Install floating nut on cabinet / rack



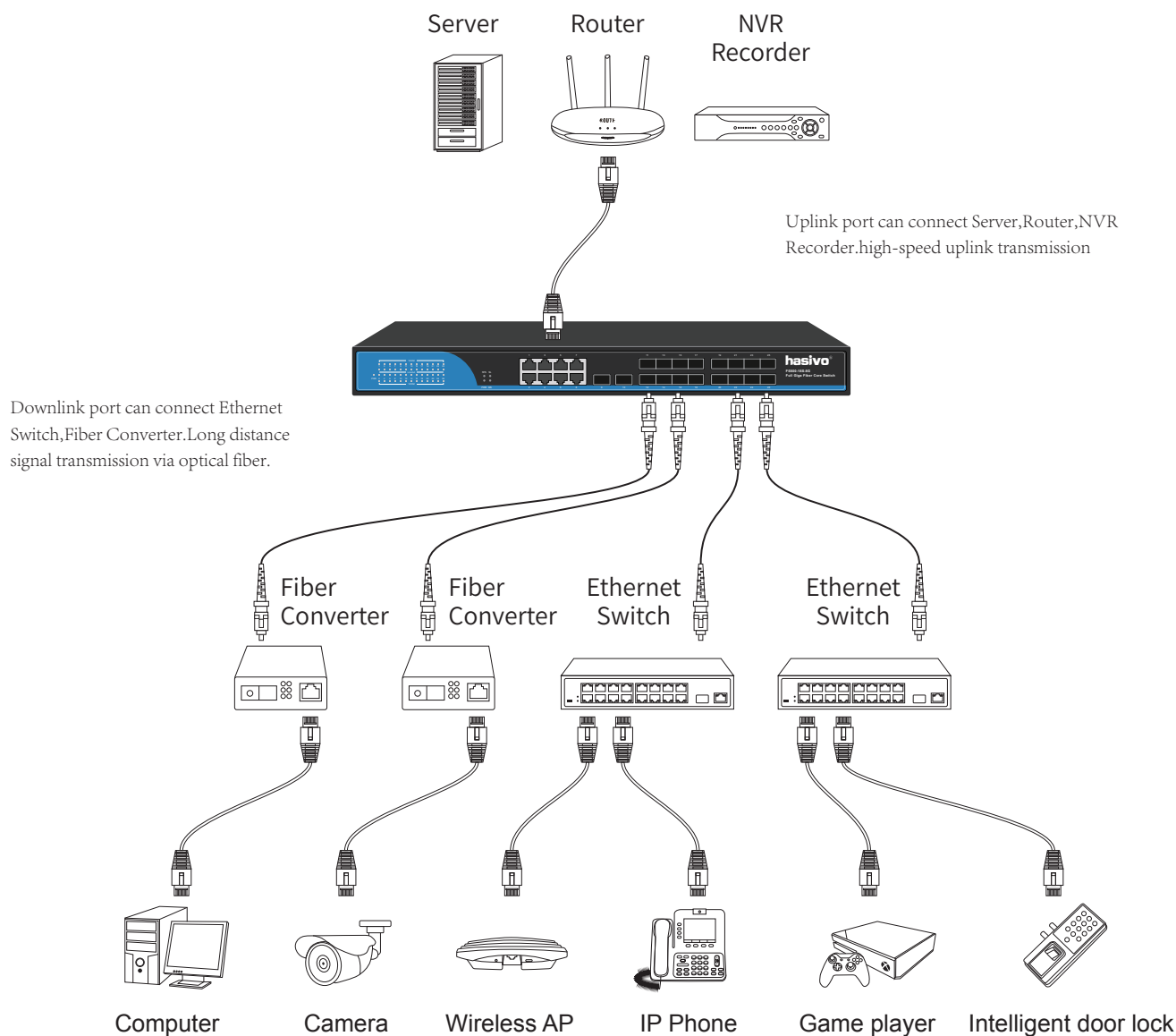
3. Put the switch installed with the lug into the cabinet and screw on the screw to complete the installation.



## 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	F5800-18S-8G
Product	All Gigabit 18+8 Fiber Switch
Fixed Port	8*10/100/1000Base-TX RJ45 port(Data) 18*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	52Gbps
Packet Forwarding	40.32Mpps
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	≤30W
LED Indicator	PWR: Power LED MS:(Master power LED) SL:(Slave power LED) 9~26:(SFP LED) 1~8:(Network port LED)
Power	Built-in power AC 100~240V 50/60HZ 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)	440mm*200mm*45mm 515mm*300mm*95mm
N.W/G.W (kg)	2.2kg/3.1kg
Installation	Rack-mount (optional machine hanger spare parts)
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)

PS: We will try our best to check the errors in the printing and pictures, but hasivo will not be responsible for any possible omissions. The appearance, specifications, parameters, prices and supply conditions of the products listed on this page are subject to change without notice.



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