

L3 Managed Switch

➤ User's manual

F5800W-12SX-8G



Product introduction

The F5800W-12SX-8G 10-megawatt three-layer enterprise multi-functional network management switch independently developed by hasivo is specially optimized and enhanced for enterprise customers, with higher reliability. The equipment adopts Broadcom's new generation of high-performance platform and hasivo's new self-developed switch system; It supports flexible network management functions such as 802.1Q VLAN, IGMP, port monitoring, port aggregation, bandwidth control, and ring network application, which can easily adapt to the current complex network application environment. It is suitable for hotels, campuses, factory dormitories and enterprises to establish an economic and efficient network.

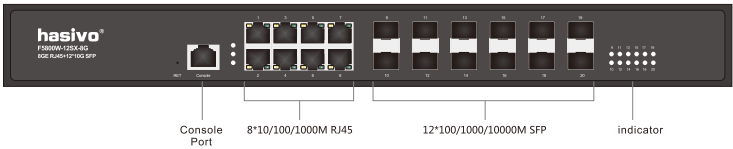
Product characteristics

- Each port supports MDI/MDIX automatic rollover and duplex/rate self-coordination.
- Support IEEE 802.3x full-duplex flow control and Backpressure half-duplex flow control.
- Energy-saving technology is adopted to automatically adjust the signal strength by detecting the length of network cable and working load, effectively reducing energy consumption.
- The equipment meets the national CCC standard, fully complies with the requirements of safety regulations, and is safe and reliable to use.
- Plug and play without management.

Product display and description

F5800W-12SX-8G, 8*10/100/1000M RJ45+12*100/1000/10000M SFP

Front



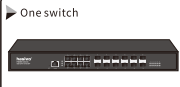
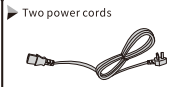


Back



Indicator definition

Front indicator	state	Description
Power indicator: PW	on	Power on
	off	Power off
Network indicator: 1-8	on	The corresponding Network port works at 10/100/1000M speed
	off	SFP off
SFP indicator: 9-20	on	The corresponding optical port works at 10/1000/10000M speed
	off	SFP off
Main power: M	on	Main power on normal
Subsidiary power: L	on	Subsidiary power on normal

Product supporting list

 <p>One switch</p>	 <p>Two power cords</p>	 <p>A user guide and warranty card</p>	 <p>Distribution rack lug</p>
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Product introduction, installation and precautions

For the safe installation and operation of the switch, it is recommended that you:

- Check that the power cord is securely wrapped around the AC power connector.
- Ensure proper heat dissipation and ventilation conditions around the switch.
- Do not stack heavy objects on the switch.

Mounting to rack

1. Check the grounding and stability of the rack
2. Install the two L-shaped brackets in the accessories on both sides of the switch panel and fix them with the screws provided in the accessories, as shown in Figure 1.1.1.
3. Place the switch in a proper position in the rack and supported by the bracket.4. Fix the L-shaped bracket on the guide grooves fixed at both ends of the rack with screws to ensure that the switch is stably and horizontally installed on the rack, as shown in Figure 1.1.2.

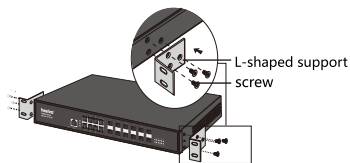


Figure 1.1.1 installation diagram of switch

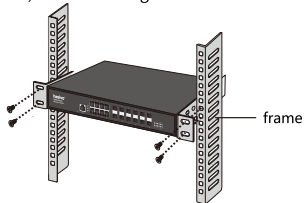


Figure 1.1.2 installation diagram of switch

Power socket specification

The switch power line adopts single-phase three wire power socket, and the middle pin is grounding wire, The left foot is the zero line and the right foot is the live line. Please check before operation.

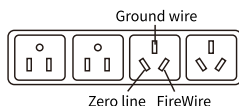


Figure 1.2.1 single phase three wire power socket

Connect the power cord

1. Check that the selected power supply is consistent with the power supply requirements marked on the switch;2. Built in without power adapter, directly connected to AC100 ~ 240V,50 ~ 60Hz mains power is enough; As shown in Figure 1.2.2.

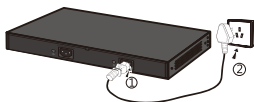


Figure 1.2.2 power connection diagram

Connecting SFP ports

The process of installing the optical fiber module in the switch is as follows:

Grasp the optical fiber module from the side and insert it smoothly along the SFP port slot of the switch until the optical fiber module is in close contact with the switch, as shown in Figure 1.3.1.



Figure 1.3.1

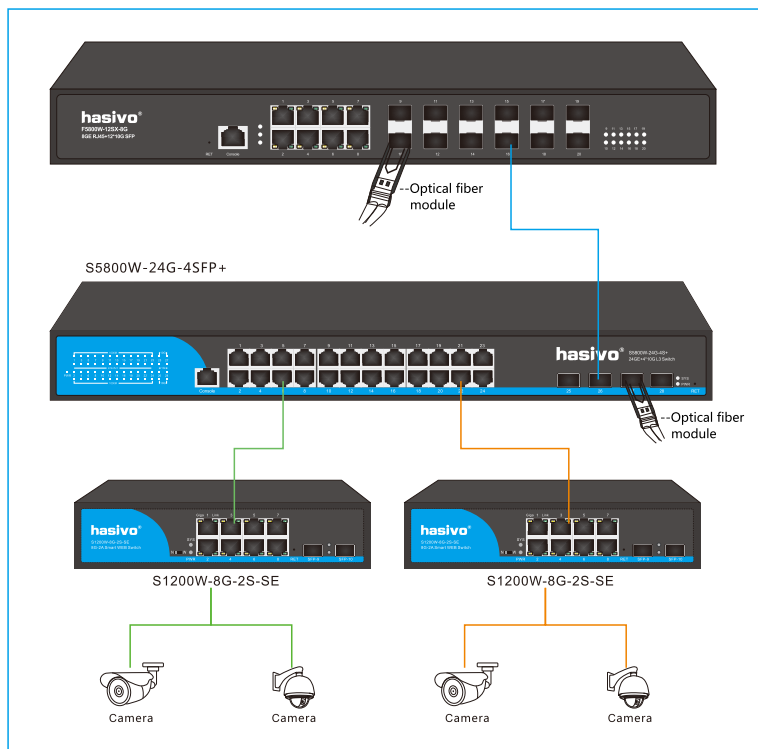
Post installation inspection

After installation, check the following:

1. Check whether there is enough heat dissipation space around the switch and whether the air circulation is smooth;
2. Check whether the power supply of the power socket meets the specification of the switch;
3. Check that the power supply, switch, rack and other equipment have been properly grounded;

Product application

Equipment connection diagram



Hardware parameters

Model	F5800W-12SX-8G
Product name	10G Uplink 12SFP+8GE L3 Managed Switch
Fixed Port	8*10/100/1000Base-TX uplink RJ45 port (Data) 12*100/1000/10000M SFP
Console port	1*console port
Reset Key	1
Bandwidth	512Gbps
Packet Forwarding	190.46Mpps
MAC	16K
Buffer	2M
FLASH	512MBytes
RAM	1024Mbytes
CPU	Cortex-A9 600Mhz
DDR	8G DDR3
Jumbo Frame	Jumbo frame up to 9KB
VLAN Address	4K
Link Aggregation	Supports 128 trunk groups with up to 8 members per group
L3 Routing	IPv4 supports 768; IPv6 supports 384
QoS Queue	8
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) SFP: 100M/1G/10G single-mode multi-mode optical module, the maximum distance is ≤120km (depending on the optical module)
LED Indicator	PW:Power LED M:Main power L:Subsidiary power 1-8:100, 1000M SFP connection indicator 9-20:10G SFP connection indicator
Power	Built-in power AC:100-240Vac 50-60Hz 0.6A max 45W
Operating Temperature /Humidity	-10 ~ +55°C ; 5% ~ 90% RH Non coagulation
Storage Temperature /Humidity	-40 ~ +75°C ; 5% ~ 95% RH Non coagulation
Product /Packing size (L*W*H)	445mm*240mm*45mm 515mm*375mm*95mm
N.W/G.W (kg)	2.7kg/3.6kg
Installation	Rack-mount (optional machine hanger spare parts)
Lightning Protection level	6KV 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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