

# L3 Managed 2.5G Switch

➤ User's manual

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S600W-5GT-2S+



## Product introduction

2.5G management switch, which adopts Realtek new generation high-performance platform; Support flexible 802.1Q VLAN, port monitoring, port convergence, bandwidth control applications and other network management functions, and easily adapt to the current complex network application environment. It is suitable for hotels, campuses, factory dormitories and enterprises to establish economic and efficient networks.

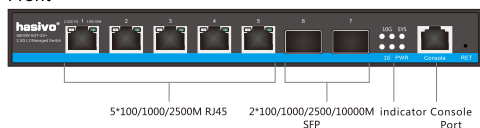
## Product characteristics

- It supports the combined use of multiple types of ports to facilitate the flexible networking of users and meet the networking requirements of various scenarios.
- Each port supports mdi/mdix auto flip and duplex / rate self negotiation.
- Support IEEE 802.3x full duplex flow control and backpressure half duplex flow control.
- Support IEEE 802.1Q VLAN, and users can flexibly divide VLANs according to their needs.
- Port monitoring is supported. A copy of the data packet of the monitored port is copied to the monitoring port to realize network monitoring.
- It supports the management and maintenance of devices through the web interface.
- Support port convergence, effectively increase link bandwidth, realize link backup, and improve link reliability.

## Product display and description

S600W-5GT-2S+ , 5\*100/1000/2500M RJ45+2\*100/1000/2500/10000M SFP

Front



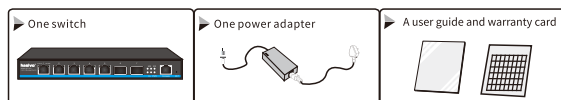
Back



## Indicator definition

Front indicator		state	Description
Power indicator: PWR		on	Power on
		off	Power off
System indicator: SYS		on	system normal
Network port indicator: 1G		on	Rj45 port with 1G speed
Optical port indicator: 10G		on	SFP port with 10G speed
Left indicator: 1-5	orange	on	The corresponding port transmission rate is 1G
	green	off	The corresponding port transmission rate is 2.5G
Right indicator: 1-5	orange	on	The corresponding port transmission rate is 10/100M
	green	off	

## Product supporting list



## 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.

### Install to desktop

The switch is usually placed on a clean desktop.

The operation is simple. Please follow the following instructions:

1. confirm that the platform is large, stable and firm enough to bear the weight of switches and accessories;
2. place the bottom of the switch upward on the platform;
3. remove the protective paper on the rubber surface of the four foot mats one by one and paste them on the four corners at the bottom of the chassis in a circular groove;
4. turn the switch over and place it on the desktop smoothly.



### 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.

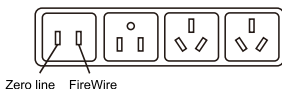


Figure 1.1.1 single phase two wire power socket

### Connect the power cord

1. Check that the selected power supply is consistent with the power supply requirements marked on the switch;
2. For the external type, connect the power adapter, connect AC100 ~ 240V, 50 ~ 60Hz and DC input 12V, as shown in Figure 1.1.2.

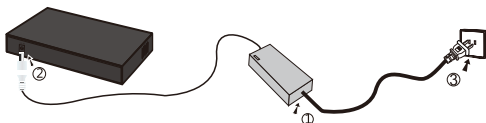


Figure 1.1.2 power connection diagram

### Post installation inspection

Please check the following items after installation:

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 are properly grounded.

### Matters needing attention

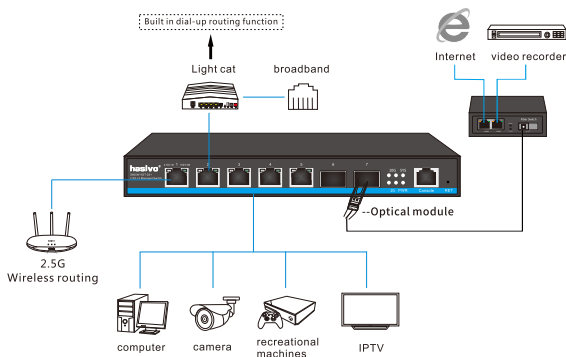
To avoid equipment damage and personal injury caused by improper use, please follow the following precautions:

- 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 safety hazards ;
- 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 confirm that it will not cause overload of the power circuit, so as not to affect the normal operation of the switch or even cause unnecessary damage;
- In order to avoid the danger 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;
- Avoid placing other heavy objects on the surface of the switch to avoid accidents.

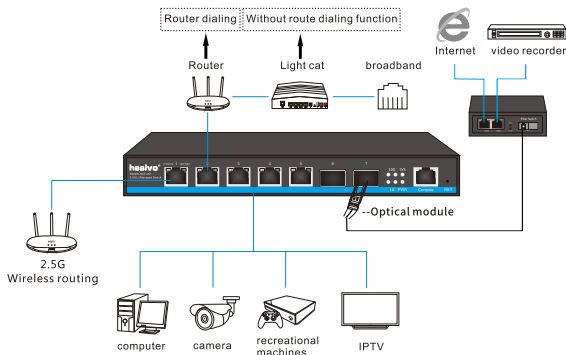
# Product application

## Equipment connection diagram

Connection example of optical cat's own router



Connection example of optical cat's own router



Schematic diagram of switch bottom



The bottom of the switch is equipped with a wall jack  
(Jack size: 5mm \* 5mm)

## Hardware parameters

Model	S600W-5GT-2S+
Product name	10G uplink 5-Port 2.5G L3 Convergence Managed Switch
Fixed Port	5*100/1000/2500M RJ45 port ( Data ) 2*100/1000/2500/10000M SFP
Console port	1*console port
Reset Key	1
Bandwidth	512Gbps
Packet Forwarding	89.28Mpps
MAC	32K
Buffer	16M
FLASH	512MBytes
RAM	512MBytes
CPU	MIPS InterAptiv, dual-Core, up to 1GHz
DDR	4G DDR3
Jumbo Frame	Jumbo frame up to 12KB
VLAN Address	4K
Link Aggregation	Supports 128 trunk groups with up to 8 members per group
L3 Routing	IPv4 supports 12K; IPv6 supports 12K
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) 2500BASE-TX : Cat6 or later UTP(100 meter) SFP:100M/1G/10G single-mode multi-mode optical module, the maximum distance is ≤120km (depending on the optical module)
LED Indicator	PWR:Power LED SYS:System LED 1-5:10/100/1000, 2500M Network connection indicator 6-7:10/100/1000/2500M, 10000M SFP connection indicator
Power	External power: DC12V 1.5A (AC:100-240Vac 50/60Hz 0.2A max 15W)
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 )	220mm*112mm*30mm 265mm*220mm*68mm
N.W/G.W ( kg )	0.8kg/1.0kg
Installation	Desktop
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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