

10G uplink L3 network management switch

➤ user's manual

S5800W-24G-6SX



hasivo®

hasivo Electronic Co., Ltd

Product Introduction

A 10 Gigabit uplink L3 network management switch, independently developed and designed for building high-performance 10 Gigabit networks, provides a comprehensive security protection system, perfect QoS policies, and rich VLAN functions. \It is easy to manage and maintain and can be applied to the core layer of small and medium-sized enterprises, residential areas, and schools.

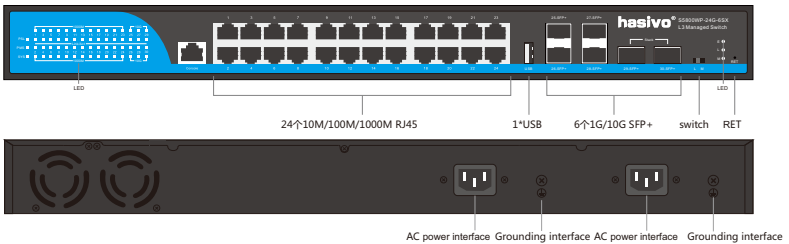
characteristic

- Add a variety of applications based on IPV6 to easily adapt to modern and complex network management applications.
- Supports IEEE 802.1Q VLANs, allowing users to flexibly partition VLANs according to their needs.Support voice VLAN, configure QoS parameters for voice data streams, improve the transmission priority of voice data streams, and ensure call quality.
- Supports QoS, supports three priority modes based on ports, 802.1P, and DSCP, and optimizes bandwidth configuration.
- Support ACL, filter data packets by configuring matching rules, processing operations, and time permissions, and provide flexible security access control policies.
- Support IGMP V1/V2/V3 multicast protocol, support IGMP Snooping, meet the requirements of multi terminal high-definition video surveillance and video conference access.Supports multicast VLAN, multicast filtering, efficient data transmission, saves network bandwidth, and reduces network load.
- Support port monitoring, copy a copy of the data packet from the monitored port to the monitoring port to achieve network monitoring.
- Support device management and maintenance through a web interface.
- Support port aggregation, effectively increase link bandwidth, achieve link backup, and improve link reliability.
- Support static routing.

Product Display

S5800W-24G-6SX

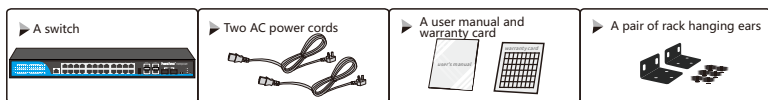
24 *1000M RJ45 ports+6 *10G SFP+



Definition of indicator lights

indicator		state	description
Main power indicator light:PSL From the power indicator light:PMS		on	normal
		off	not powered on
		on/quick flash	starting/abnormal
Main power indicator light:SYS		Slow flash	system startup completed and running
Port indicator light:1~24	Link/Act	on/flash	corresponded port transmission connection/ data transmission in progress
		off	no data transmission on the correspond port
	1000M	on	the correspond port transmission rate is 1000M
		off	no data transmission on the correspond port
Port indicator light:26~30	Link/Act	on/flash	corresponded port transmission connection/ data transmission in progress
		off	no data transmission on the correspond port
	10G	on	the correspond port transmission rate is 10G
		off	the correspond port is not working in this mode
E		on	stacking error indicator light
L		on	stacking indicator lights
M		on	main stacking indicator light

Product Supporting List



Attention: SFP models do not include optical modules by default. If you find any shortage or damage to accessories, please contact us promptly.

Installation guide

For the safe installation and operation of the switch, we recommend that you:

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

Install 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 secure them with the screws provided in the accessories, as shown in Figure 1.1.1.
3. Place the switch in an appropriate position within the rack and support it with a rack.
4. Use screws to fix the L-shaped bracket to the guide slots fixed at both ends of the rack, ensuring that the switch is stably and horizontally installed on the rack, as shown in Figure 1.1.2.

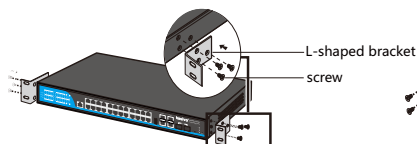


Figure 1.1.1 Schematic diagram of switch installation

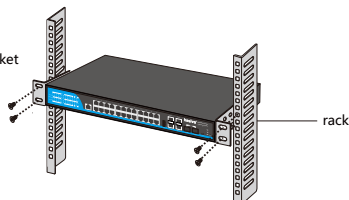


Figure 1.1.2 Schematic diagram of switch installation

Power socket specifications

The power cord of the switch adopts a single-phase three wire power socket, with the middle pin as the grounding wire, the left pin as the neutral wire, and the right pin as the live wire. Please check before operation, as shown in Figure 1.2.1.

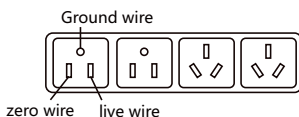


Figure 1.2.1 Single phase three wire power socket

Connect the power cord

1. Check that the selected power supply is consistent with the power requirements indicated on the switch;
2. Built in without the need for a power adapter, it can be directly connected to AC 100~240V, 50~60Hz mains power; As shown in Figure 1.2.2

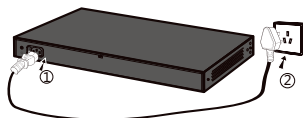


Figure 1.2.2 Schematic diagram of power connection

Check after installation

Please check the following items after installation:

1. Check if there is sufficient heat dissipation space around the switch and if the air circulation is smooth;
2. Check if the power supply of the power socket meets the specifications of the switch;
3. Check that the power supply, switches, racks, and other equipment are properly grounded;

Supports HTTP, HTTPS, Telnet, SSH, CLI, etc

IP address: 192.168.0.1

admin

admin



Scheme 1



PC/Server



video recorded



internet



Can simultaneously serve 24 cameras
Power supply and data transmission



IPC camera



PC camera



IPC camera



IPC camera

Scheme 2



PC/Server



video recorder



internet



Can simultaneously serve 24 cameras
Power supply and data transmission



IPC camer



Access control system



IP network
telephone



wireless ap

The above diagram is for reference only, and actual parameters shall prevail.

Technical Parameter

model	S5800WP-24G-6SX
fixed port	24 *ports of 10M/100M/1000M RJ45 6 *1G/10G SFP+
management port	1*console port
Reset key	1
DDR	4G DDR3
MAC	16K
FLASH	512Mbytes
RAM	512Mbytes
cache	12Mbit SRAM Packet Buffer
jumbo frame	Jumbo frame up to 12KB
twisted pair transmission	10 Mbps: Cat3, 4, 5 UTP (~250 meters) 100 Mbps: Cat5 or later UTP (150 meters) 1000 Mbps: Cat6 or later UTP (150 meters) SFP: Supports 1000M single-mode and multi-mode optical modules, with a maximum distance of ≤ 120km (depending on the optical module)
LED	PMS: Main power indicator light PSL: From the power indicator light SYS: System indicator 1-24 1000M: Gigabit Link indicator light Link/Act: Port connection indicator light 25-28 10G: 10G Link indicator light Link/Act: Port connection indicator light E: Stacking error indicator light L: Stacking from indicator lights M: Stacking main indicator light
Working temperature/humidity	-10~+55°C; 5%~90% RH without condensation
Storage temperature/humidity	-40~+75°C; 5%~95% RH without condensation
power supply	AC 100-240V 50/60Hz 0.5A
product/package size(L*W*H)	440mm*200mm*45mm 515mm*300mm*95mm
NW/GW (kg)	2.2kg/2.9kg
Installation method	Rack mounted (delivery rack hanging ear accessories)
lightning protection/protection level	Lightning protection: 6KV 8/20us; Protection level: IP30
safety certification	3C; CE mark, commercial; CE/LVD EN60950; FCC Part 15 Class B; RoHS;
warranty period	Complete machine for 1 year (excluding accessories)

The above parameters are for reference only, and actual parameters shall prevail

Attentions

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

!Keep the status of power-off during installation, and wear anti-static wrist to ensure good contact between anti-static wrist and skin to avoid the hidden danger.

!The switch can only work normally under the correct power supply. Please confirm that the power supply voltage is consistent with the voltage marked by the switch.

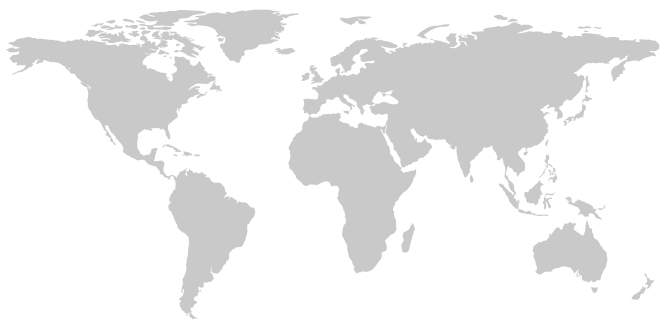
!Before switch on, please make sure that it will not cause overload of the power circuit, so as not to affect the normal operation of the switch or even unnecessary damage.

!In order to avoid the danger of electric shock, do not open the shell up when the switch works, even in the case of no live current, do not open.

!Before cleaning the switch, pull out the power plug. Do not wipe it by using wet fabrics or liquid.

!Install device in the rack-mount regularly from top to bottom, incase of over-load installation.

!Don't place other heavy objects on the surface of the switch to avoid accidents.



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