2.5G Management Series

> user 's manual

1 Product Introduction

"2.5G management switch. The device adopts Realtek's new gene-ration high-performance platform and self-developed switch system; supports flexible network management functions such as 802.1Q VLAN port monitoring, port aggregation, and bandwidth control applications, making it easy to adapt to the current complex network application environment. suitable for hotels, campuses, factory dormitories, and enterprises to establish an economically efficient network.

characteristic

◆ Supports the combination of multiple types of ports, making it convenient for users to flexibly network and meet the networking needs of various scenarios.

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

◆Supports IEEE 802.3x full duplex flow control and Backpressure half duplex flow control.

◆ Supports IEEE 802.1Q VLANs, allowing users to flexibly partition VLANs according to their needs

◆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.

2 Product Display

4个10/100/1000/2500M Rj45 port+2个10/100/1000/2500/10000M SFP+
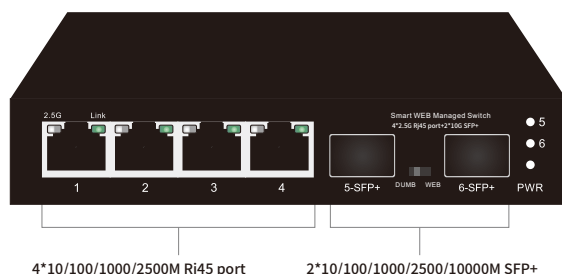
4*10/100/1000/2500M Rj45 port   2*10/100/1000/2500/10000M SFP+

5个10/100/1000/2500M Rj45 port+1个10/100/1000/2500/10000M SFP+

5*10/100/1000/2500M Rj45 port   1*10/100/1000/2500/10000M SFP+

back

DC interface (5.5 * 2.1)

8个10/100/1000/2500M Rj45 port+1个10/100/1000/2500/10000M SFP+

8*10/100/1000/2500M Rj45 port

1*10/100/1000/2500/10000M SFP+

back

DC interface (5.5 * 2.1)
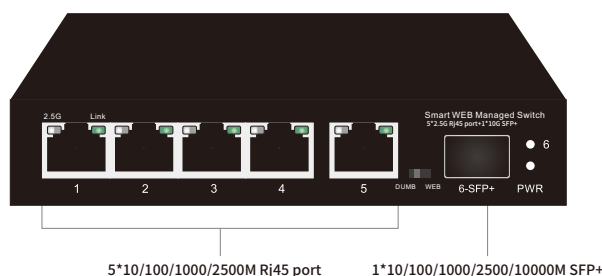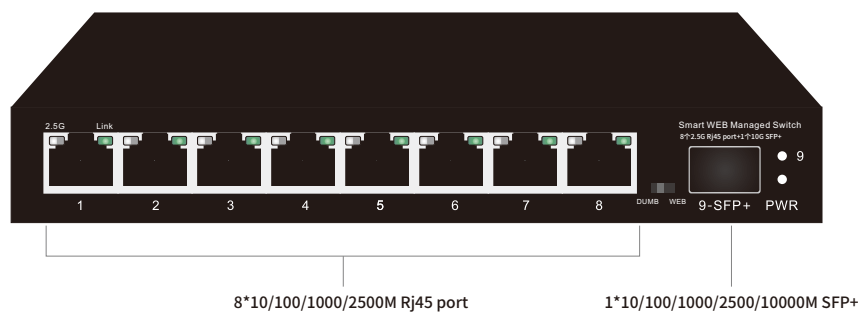
Definition of indicator lights

indicator light			state	description
Power indicator light:PWR			on	normal
			off	not powered on
			flicker	the system starts normally
5、6、9 indicator light			on	port device connected
			off	port device not connected
			flicker	port device data transmission in progress
2.5G Ethernet port indicator light	left	orange	on	the device operates at a speed of 2500M mode
			off	nothing
		green	on	the device operates at a speed of 1000M mode
			off	nothing
	right		on	port device connected
			off	port device not connected
			flicker	port device data transmission in progress
10G Ethernet port indicator light	left	orange	on	the device operates at a speed of 10000M mode
			off	nothing
		green	on	the device operates at a speed of 2500M mode
			off	nothing
	right		on	port device connected
			off	port device not connected
			flicker	port device data transmission in progress

Function switch definition

Function identification	Working mode	Function Description
DUMP	standard sharing	support network sharing
WEB	management model	support web

Product Supporting List

► A switch

► A power adapter

► A manual and warranty card

Note: The pictures are for reference only, and the actual product shall prevail

3 *Product installation and precautions*

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,Is the DC cable damaged
● → Ensure proper heat dissipation and ventilation around the switch.
● → Do not stack heavy objects on top of the switch.

Desktop installation

When installing a switch on the desktop, the device must be placed horizontally on the desktop and kept stable. Please leave enough space between the device and other surrounding objects for ventilation.
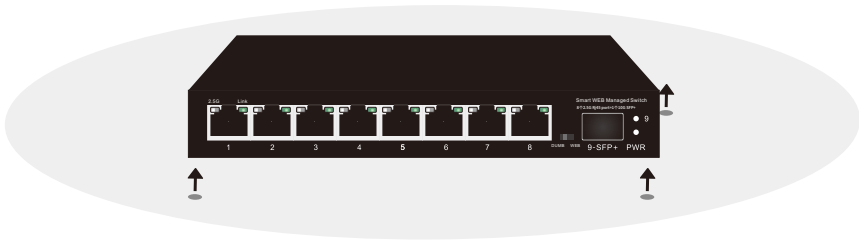

Power socket specifications

The switch adapter adopts a two-wire power socket; The power cord 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.

Ground wire

neutral wire   live wire   neutral wire   live wire

.

Power supply socket
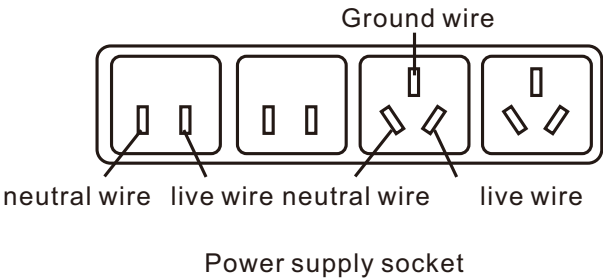
Connect the power cord

1. Check that the power supply matches the power supply indicated on the switch;
2. External power adapter, direct AC100~240V, 50~60Hz mains power, DC output direct 12V
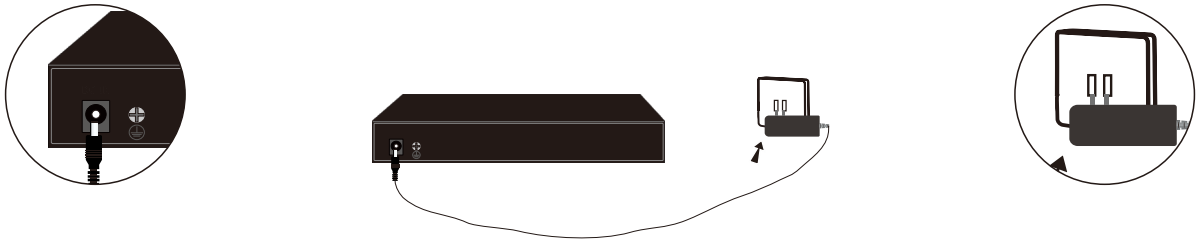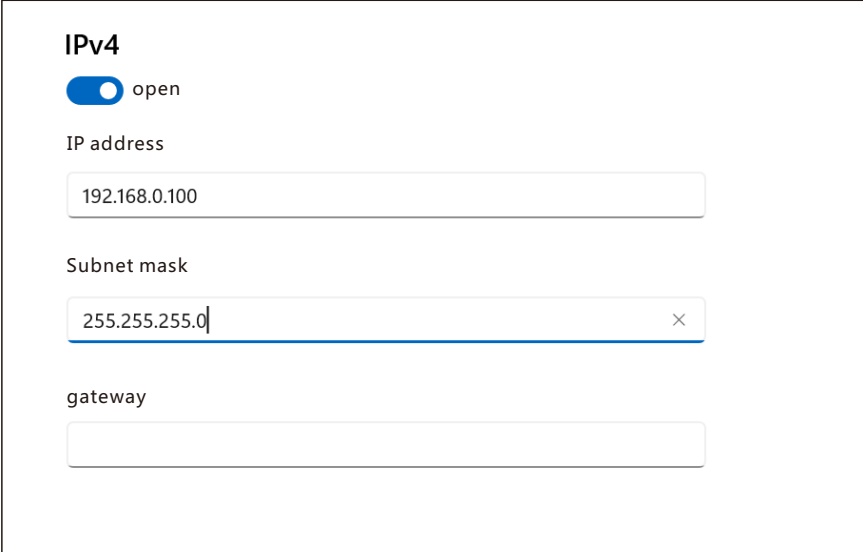

Power Connection Diagram

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;
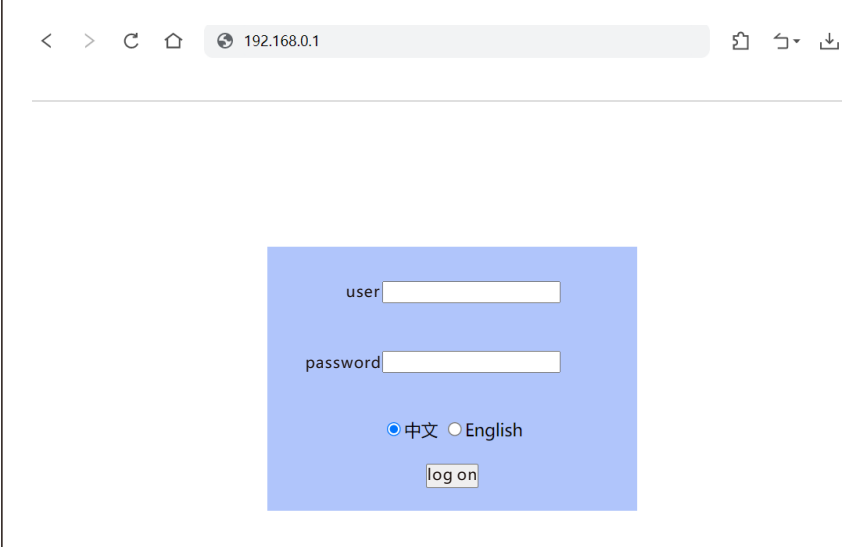3. Check that the power supply, switches, racks, and other equipment are properly grounded;

4 *Login method and precautions*

4.1 Confirm if the local computer address is in the 192.168.0. X range. If the local network card is not, modify it to the 0 range in IPV4

IPv4

open

IP address

192.168.0.100

Subnet mask

255.255.255.0   ✕

gateway

4.2 Enter the IP address 192.168.0.1 in the browser to jump to the login interface

< > C ⌂   🌐 192.168.0.1

user

password

◉中文 ○English

log on

4.3 Enter the username admin and password admin to log in and obtain the WEB interface (as shown in the following figure)

**hasivo**   1 2 3 4 5 6 7 8   9

system
PoE
configuration
security
monitor
tool

—system information—

model	S1100WP-8GT-1SX-S
MAC address	00:23:79:00:22:14
IP address	192.168.0.1
subnet mask	255.255.255.0
gateway	192.168.0.254
firmware version	V1.6
firmware date	Oct 08 2023
hardware version	V1.05
NTP server	SNTP关闭
time	----------

5 *Application examples*

Legend 1: Example of Cat Stick Application

IPTV

2.5G NAS server

VLAN3

VLAN2
VLAN3
VLAN3

computer
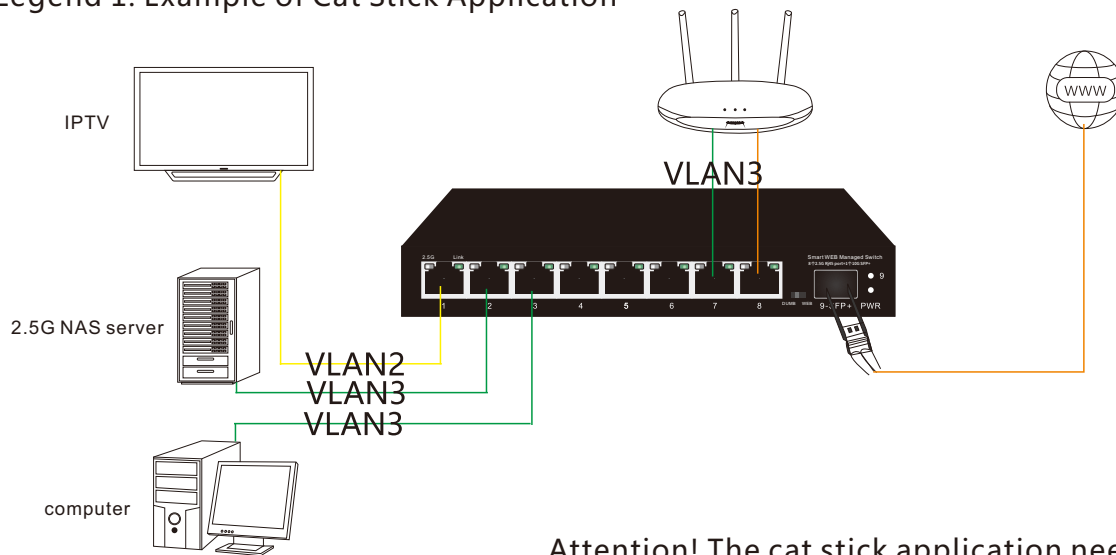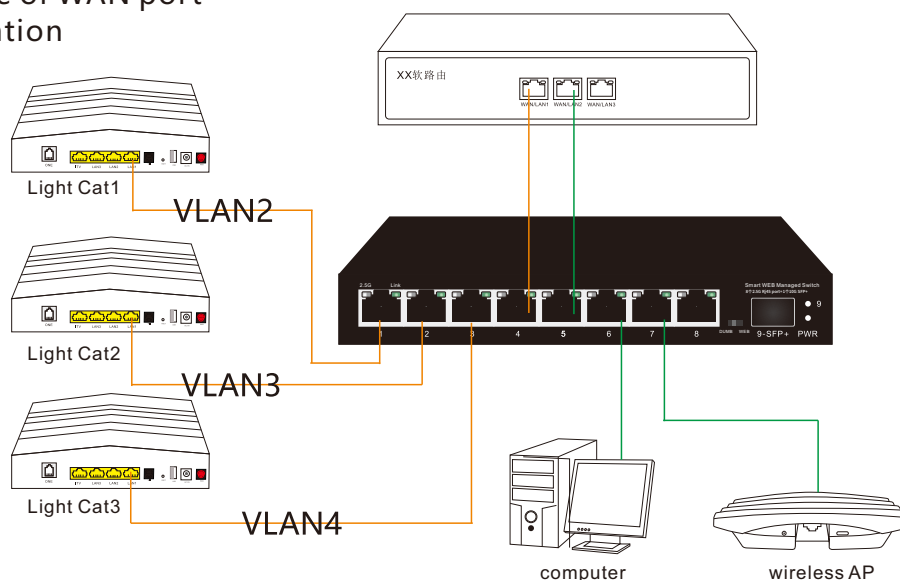
Attention! The cat stick application needs to modify the speed to the corresponding port

Legend 2: Example of Single Line Reuse Application

Light Cat

Router

VLAN2   VLAN3

VLAN3

computer

computer

VLAN2   VLAN3

IPTV
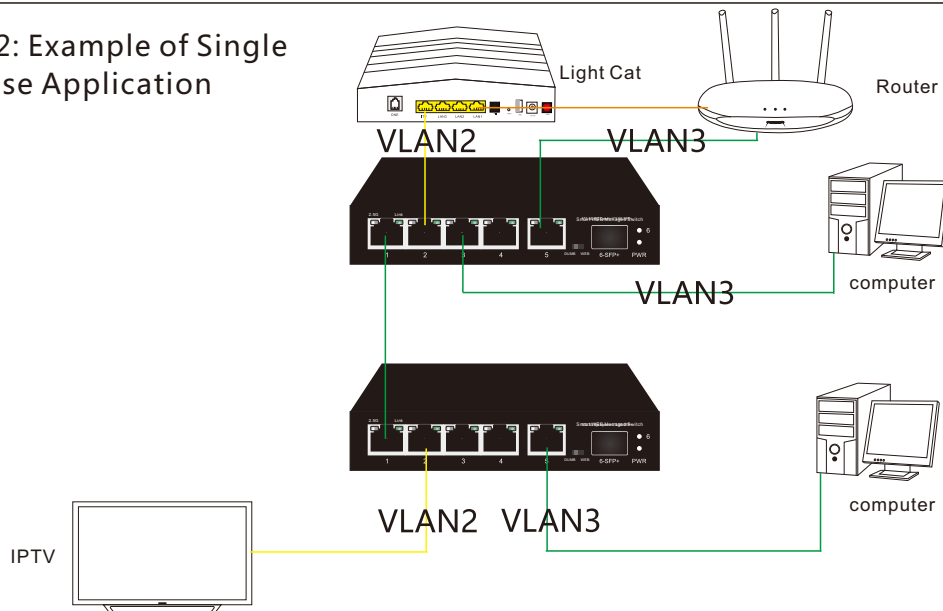
Legend 3: Example of WAN port expansion application

XX软路由

Light Cat1

VLAN2

Light Cat2

VLAN3

Light Cat3

VLAN4

computer

wireless AP

6 Parameter

Model	S600-4GT-2SX-S	S600-5GT-1SX-S	S1100-8GT-1SX-S
Fixed port	4个10M/100M/1G/2.5G RJ45 2个10M/100M/1G/2.5G/10G SFP+	5个10M/100M/1G/2.5G RJ45 1个10M/100M/1G/2.5G/10G SFP+	8个10M/100M/1G/2.5G RJ45 1个10M/100M/1G/2.5G/10G SFP+
Reset	1		
Function switch	DUMB (regular sharing mode)/WEB (web management operation mode)		
transmission distance	10BASE-T: Category 3, 4, and 5 unshielded twisted pair cables (250 meters) 100BASE-T: Category 5 and above unshielded twisted pair cable (100 meters) 1000BASE-T: Category 5 and above unshielded twisted pair cable (100 meters) 2500BASE-T: Category 5 and above unshielded twisted pair cable (100 meters) SFP: Supports 100M/1G/2.5G/10G single-mode and multi-mode optical modules, with a maximum distance of ≤120km (depending on the optical module)		
LED indicator light	PWR: Power indicator light/system signal indicator light 2.5G RJ45 left: 2.5G link indicator light 1G Link indicator light 2.5G RJ45 right: link indicator light/signal transmission indicator light 10G RJ45 left: 10G link indicator light5/2.5G Link indicator light 10G RJ45 right: link indicator light/signal transmission indicator light5-6: Light port indicator light	PWR: Power indicator light/system signal indicator light 2.5G RJ45 left: 2.5G link indicator light 1G Link indicator light 2.5G RJ45 right: link indicator light/signal transmission indicator light 10G RJ45 left: 10G link indicator light5/2.5G Link indicator light 10G RJ45 right: link indicator light/signal transmission indicator light6: Light port indicator light	PWR: Power indicator light/system signal indicator light 2.5G RJ45 left: 2.5G link indicator light 1G Link indicator light 2.5G RJ45 right: link indicator light/signal transmission indicator light 10G RJ45 left: 10G link indicator light5/2.5G Link indicator light 10G RJ45 right: link indicator light/signal transmission indicator light9: Light port indicator light
Input method	DC12V 1A		
Working temperature/humidity	0°C~40°C;10%~90%, non coagulate		
Storage temperature/humidity	-40°C~75°C; 5% to 90%, non coagulate		
Product size/packaging size (L*W*H)	131mm*77mm*28mm 200mm*100mm*68mm	131mm*77mm*28mm 200mm*100mm*68mm	171mm*70mm*28mm 200mm*100mm*68mm
Net weight/gross weight (kg)	0.8kg/1.2kg		
Installation method	Desktop style		
Warranty	Complete machine for 1 year (excluding accessories)		

Note: The parameters are for reference only and subject to the actual product

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.