

# 10 Gigabit Web converge Series

## user's manual

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8\*10GE SFP+

6\*10GE SFP+2\*10GE RJ45

4\*10GE SFP+4\*10GE RJ45

# 1 Product Introduction

10G WEB switch: All ports have 10G line speed forwarding capability and have 1G/2.5G/10G SFP+ ports. This series of switches is designed for applications such as security monitoring, diskless startup, and wireless networking, and has good network adaptability.

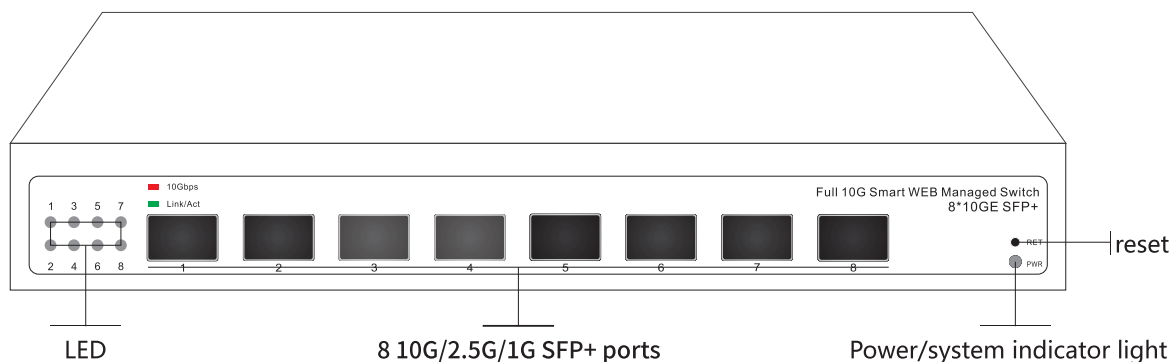
## characteristic

- ◆Dynamic LED indicator light, providing simple working status prompts and troubleshooting.
- ◆Natural heat dissipation and low noise provide a comfortable working environment
- ◆Support device management and maintenance through web interface
- ◆Support one click switching between Chinese and English display languages through the web interface
- ◆Support loop detection, STP/RSTP/MSTP spanning tree protocol
- ◆Supports 801.1q VLAN, which can be flexibly divided into VLANs according to requirements.
- ◆Supports QoS and effectively optimizes port configuration
- ◆Support port aggregation, effectively increase link bandwidth, achieve link backup, static link/LACP
- ◆For more functions, please refer to the electronic manual

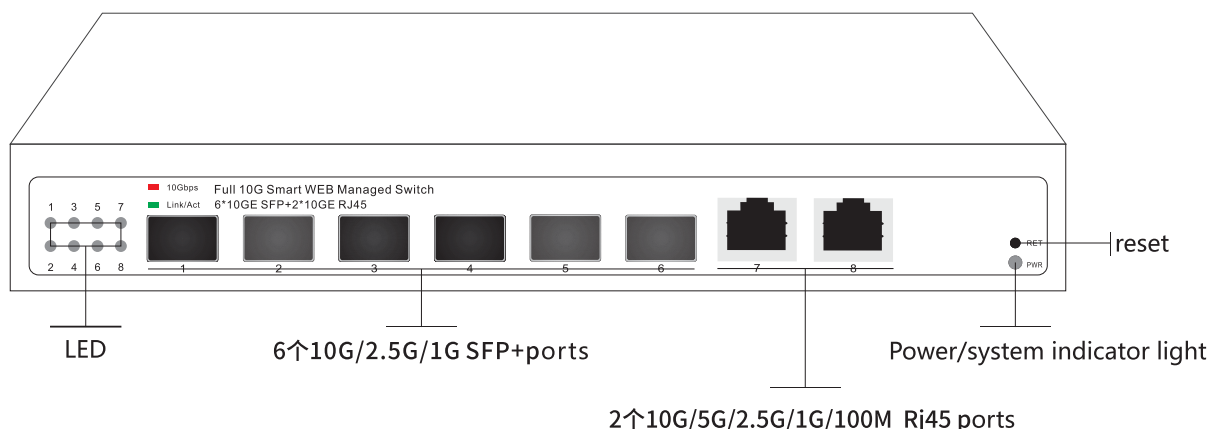
# 2 Product Display

## front

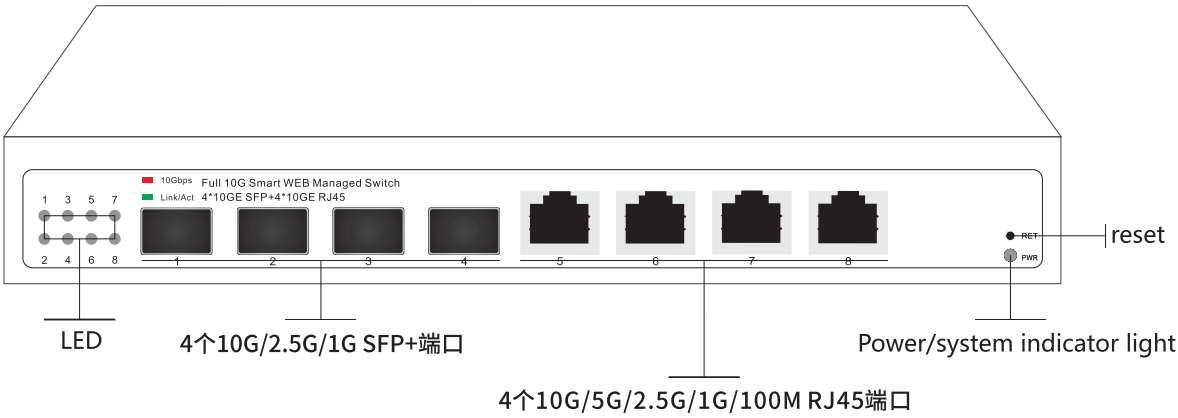
### 1. Model: 8 \* 10GE SFP+



### 2. Model: 6\*10GE SFP+2\*10GE RJ45



3.Model:4\*10GE SFP+4\*10GE RJ45



back

1.Model:8\*10GE SFP+/6\*10GE SFP+2\*10GE RJ45/4\*10GE SFP+4\*10GE RJ45



Definition of indicator lights

indicator light	definition	state	description
PWR	Power indicator light System indicator	off	the device is not powered on
		on	Not powered on
		1/2(Slow flicker)	the device is powered on and the system is running normally
		1/4(fast flicker)	abnormal operation of equipment power on system
1-8(red )	Port 10G indicator light	off	the port is not working in this mode
		on	Port connection successful in 10G mode
		flicker	port connection successfully working, data transmission is in progress in 10G mode
1-8(green )	Port Link/ACT indicator light	off	the port is not working in this mode
		on	port connection successful
		flicker	port connection successful, data transmission in progress

Product Supporting List

► A switch

► A power adapter

► A manual and warra-nty card

► A set of foot pads

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

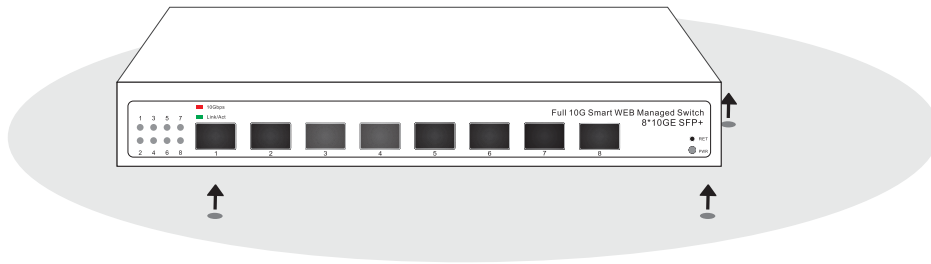
# 3 Product installation and precautions

**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.

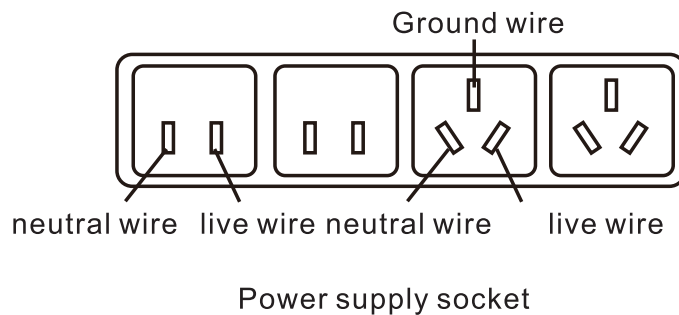
## Desktop installation

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.



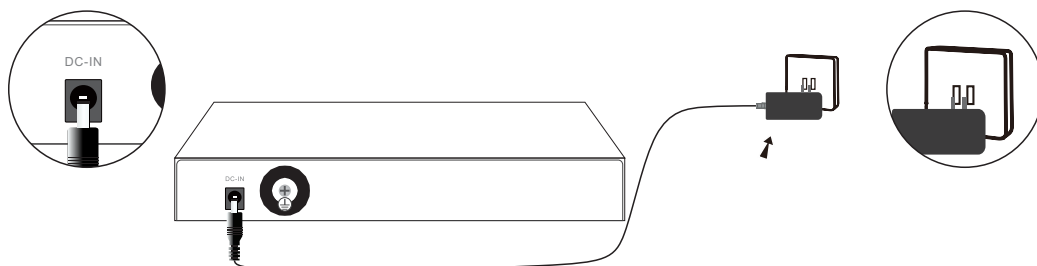
## Power socket specifications

The standard specifications for a conventional power strip include a single-phase two-wire power socket and a single-phase three wire socket. The three wire socket has a grounding wire in the middle, a neutral wire on the left pin, and a live wire on the right pin. The two-wire socket has no grounding wire. Please check before operation



## 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



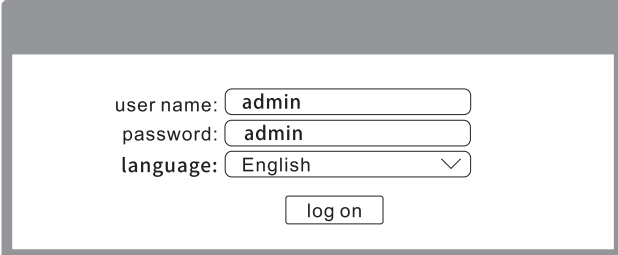
## Check after installation

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 How to log in to the web interface

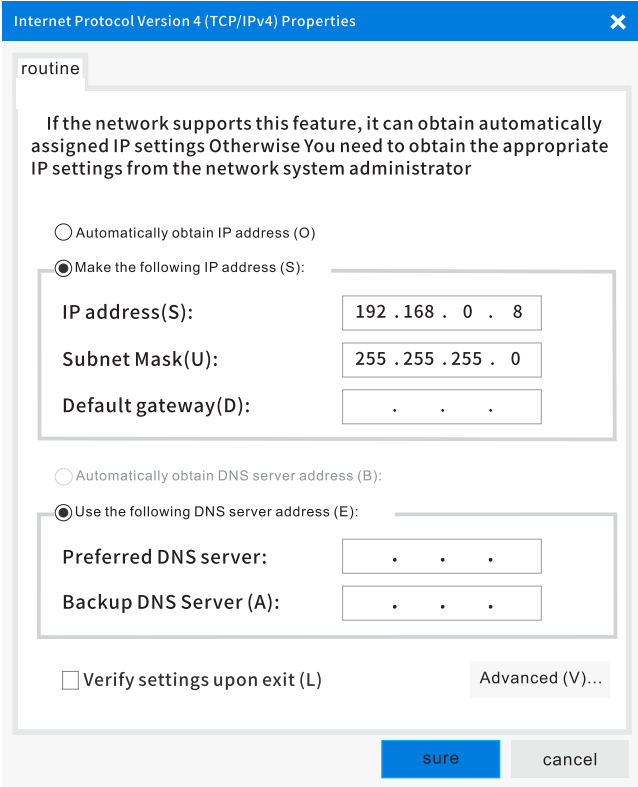
1. The switch is powered on and started normally, and any interface is connected to the computer network port used for login management
2. Ensure that the function switch on the front panel of the switch is in the "WEB" position (only for support function switch series)
3. To manage a computer, at least IE 8.0 or above, the latest versions of Firefox, Chrome, and Safari browsers, or one of the browser software using the above core, must be installed
4. The IP address of the network card connecting the management computer to the switch should be in the same segment as the management IP of the switch. When first set, it should be 192.168.0.\* (\* is any integer between 2 and 254), and the subnet — ask should be 255.255.255.0
5. Open the browser and enter the management address of the switch in the address bar. The default address is `http://192.168.0.1` Login to the management interface of the switch
6. In the pop-up login window, enter the switch management username and password. The default username and password are both admin



user name:

password:

language:  ▼



Internet Protocol Version 4 (TCP/IPv4) Properties

routine

If the network supports this feature, it can obtain automatically assigned IP settings Otherwise You need to obtain the appropriate IP settings from the network system administrator

☐ Automatically obtain IP address (O)

☒ Make the following IP address (S):

IP address(S):

Subnet Mask(U):

Default gateway(D):

☐ Automatically obtain DNS server address (B):

☒ Use the following DNS server address (E):

Preferred DNS server:

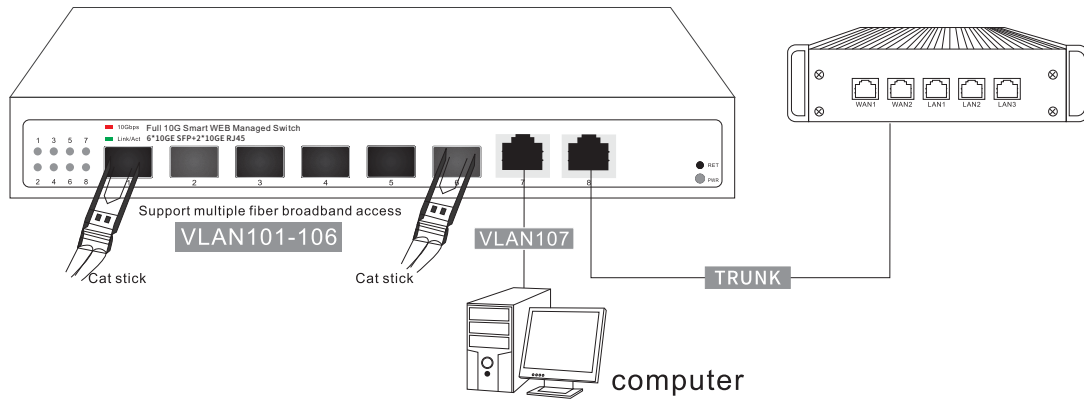
Backup DNS Server (A):

☐ Verify settings upon exit (L)

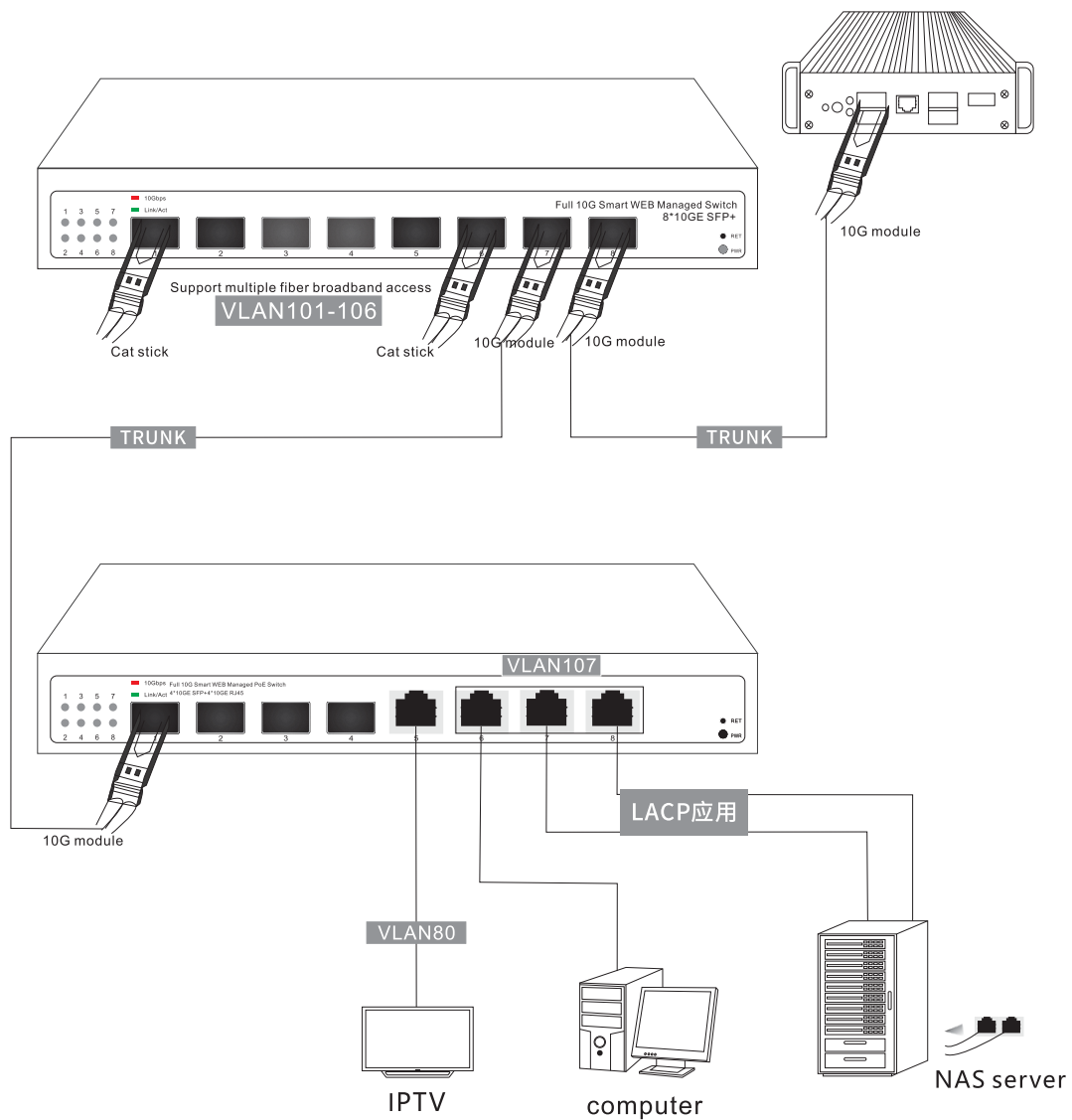
\*After setting all configurations, please click on the top right corner: Save

## 5 Application examples

### VLAN converge



### VLAN converge+LACP



## 6 Product parameters

model	8*10GE SFP+	6*10GE SFP+2*10GE RJ45	4*10GE SFP+4*10GE RJ45
fixed port	8个10G/2.5G/1G SFP+port	6个10G/2.5G/1G SFP+port 2个10G/5G/2.5G/1G/100M RJ45port	4个10G/2.5G/1G SFP+port 4个10G/5G/2.5G/1G/100M RJ45port
RET	1		
CPU	MIPS-34Kc 800MHz		
DDR	1G DDR3		
forwarding mode	store and forward		
MACaddress	16K		
backplane bandwidth	160Gbps		
packet forwarding rate	119.04Mpps		
Network standards	IEEE 802.3 IEEE 802.3i IEEE 802.3an IEEE 802.3u IEEE 802.3abIEEE 802.3x IEEE 802.1p IEEE 802.1q		
distance	SFP+:Supports 1G/2.5G/10G single-mode multi-mode optical modules, with a maximum distance of ≤ 120km (depending on the optical module)	100 Mbps: Cat5 or later UTP (=100 meters) 1000 Mbps: Cat6 or later UTP (=100 meters) 2500 Mbps: Cat6 or later UTP (≤ 100 meters) 5000 Mbps: Cat6 or later UTP (≤ 80 meters) 10000 Mbps: Cat6 or later UTP (=30 meters) SFP+: Supports 1G/2.5G/10G single-mode and multi-mode optical modules,Maximum distance ≤ 120km (depending on the optical module)	
LED indicator light	PWR: Power indicator light/system indicator light 1-8: Port Link/ACT indicator light (red represents 10G speed; green represents Link)		
Input power supply	DC12V 2A		
Usage environment	Working temperature -10~55 ℃; Storage temperature -40~75 ℃; Working humidity 5%~90%, relative humidity non condensing Storage humidity 5%~95% relative humidity non condensing		
Product/ Packaging Size	Product size : 223mm*112mm*31mm Packaging size : 270mm*220mm*65mm		
Net /Gross weight (kg)	0.9kg/1.19kg	0.85kg/1.14kg	0.93kg/1.22kg
Protection grade	IP30		
Installation method	Desktop style		
Warranty	Complete machine warranty for one year (excluding accessories)		

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

