

10G Uplink L3 WEB PoE Switch

➤ User 's manual

48GE PoE RJ45+6*10GE SFP+

Product introduction

10 Gigabit L3 Managed PoE Switch is independently developed and designed to meet the requirements of building high-performance 10 Gigabit networks. It provides a comprehensive security protection system, comprehensive QoS policies, and rich VLAN functions. It is easy to manage and maintain, and can be applied to the core layer of small an medium-sized enterprises, communities, and schools.

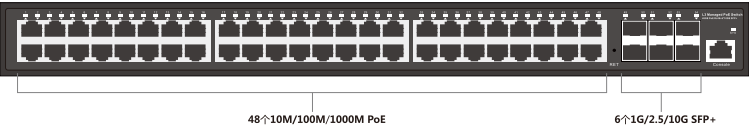
Product characteristics

- Add a variety of IPV6 based applications to easily adapt to modern and complex network management applications.
- Support IEEE 802.1Q VLAN, allowing users to flexibly partition VLANs according to their needs.
- Supports IEEE 802.3af/at/poe+ +/BT.
- Support voice VLAN, configure QoS parameters for voice data streams, improve transmission priority of voice data streams, and ensure call quality.
- Support QoS, support three priority modes based on port, 802.1P, and DSCP, and optimize 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, and meet the needs of multi terminal high-definition video monitoring and video conference access.
- Support multicast VLANs, multicast filtering, efficient data transmission, saving network bandwidth, and reducing network load.
- Support port monitoring by copying a copy of the data packet from the monitored port to the monitoring port to achieve network monitoring.
- Support the management and maintenance of devices through a web interface.
- Support port aggregation, effectively increase link bandwidth, achieve link backup, and improve link reliability.
- Support static routing.

Product display

48个10M/100M/1000M PoE port +6个1G/2.5G/10G SFP+port

Front



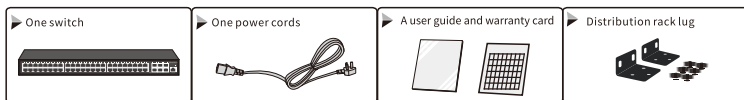
Back



Indicator definition

indicator		state	Description
System indicator light/power indicator light:SYS		Light1S Slow flash	The system operates normally
		off	Power off
Port indicator light :1~48	orange	on	The corresponding port works at 1G speed
		off	Corresponding port connection
	green	on	The corresponding port works at 10/100M speed
		off	Corresponding port not connection
Light port indicator light:49~54	orange	on	The corresponding port works at 10G speed
		off	Corresponding port not connection
	green	on	The corresponding port works at 100M/1G/2.5G speed
		off	Corresponding port not connection

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.

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.

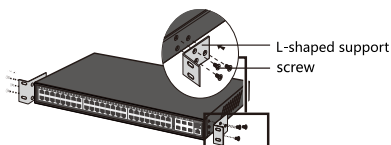


Figure 1.1.1 installation diagram of switch

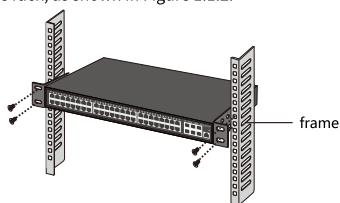


Figure 1.1.2 installation diagram of switch

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. As shown in Figure 1.2.1.

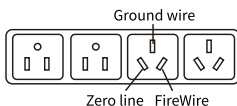


Figure 1.2.1 single phase three wire power socket

Connect the power cord

1. Check that the selected power supply is consistent with the power 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

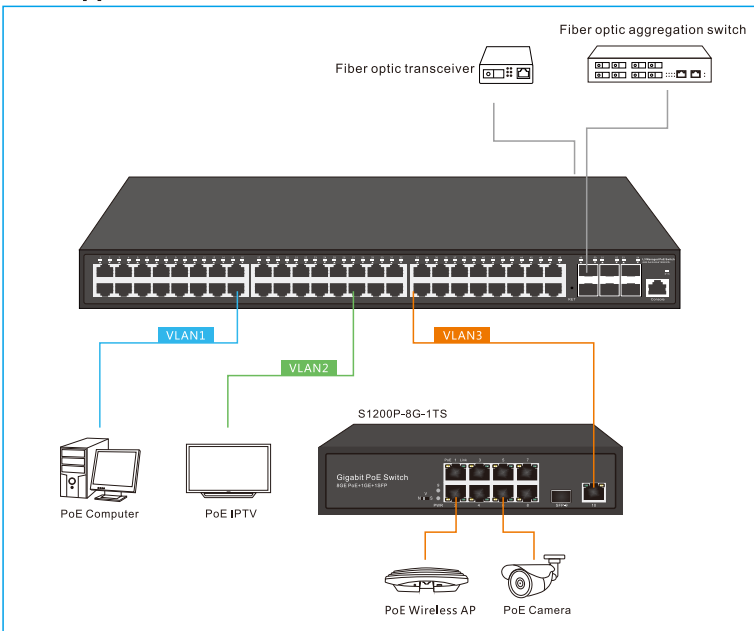
Post installation inspection

After installation, check the following:

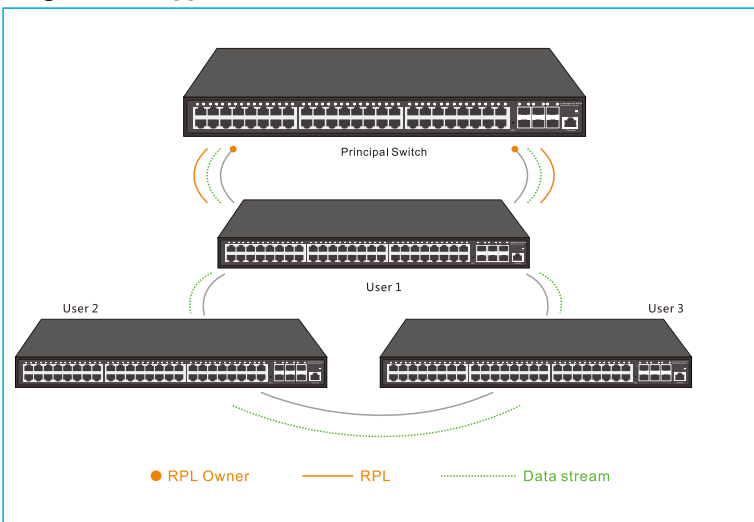
1. Check whether there is enough heat dissipation space around the switch and whether the air circulation is smooth;
2. Check whether the power supply of the power socket meets the specification of the switch;
3. Check that the power supply, switch, rack and other equipment have been properly grounded;

Product application

VLAN application



Ring network application



Hardware parameters

Model	48GE PoE RJ45+6*10GE SFP+
Fixed Port	48个10M/100M/1000M PoE RJ45 6个1G/2.5G/10G SFP+
PoE Ports	1-4 port supports IEEE802.3af/at/poe++/bt, max 90W PoE out 5-48 port supports IEEE802.3af/at, max 30W/port, PoE out
PoE Pin	Af/at/bt: 12+ 45+ ; 36- 78- Af/at: 12+ 36-
CPU	MIPS-34Kc Up to 800MHz CPU
DDR	4G DDR3
FLASH	512MBytes
RAM	512MBytes
Bandwidth	256Gbps
Packet Forwarding	160.704Mpps
MAC	32K
Buffer	16Mbit SRAM Packet Buffer
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 1G/2.5G/10G single-mode and multi-mode optical modules, with a max distance of ≤ 120km (depending on the optical module)
LED Indicator	SYS: System/Power Indicator Light1-48: Network connection indicator light49-54: Light port connection indicator light
Power	100-240Vac 50/60Hz MAX800W
Operating Temperature /Humidity	-10~ +65°C ; 5%~90% RH Non coagulation
Storage Temperature /Humidity	-40~ +75°C ; 5%~95% RH Non coagulation
Product /Packing size (L*W*H)	440mm*360mm*45mm 553mm*403mm*93mm
N.W/G.W (kg)	5.76kg/6.55kg
Installation	Desktop type (optional with wall hanging + rack lug accessories)
Lightning Protection level	6KV 8/20us ; IP30
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.