

L3 Managed 10G Switch

➤ User's manual

12*100/1000/10000M SFP

Product introduction

10G L3 Managed Switch. The device adopts the Realtek next-generation high-performance platform 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 economical and efficient network.

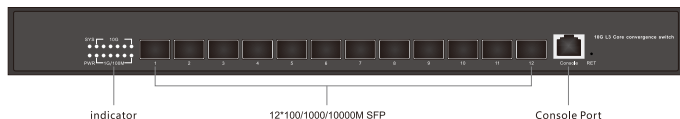
Product characteristics

- ◆ Support 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 the data packet of the monitored port to the monitoring port, and realize 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.

Product display and description

12*100/1000/10000M SFP

Front



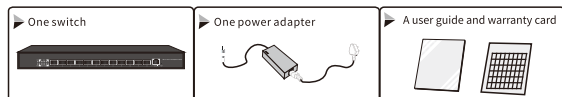
Back



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/100M	on	SFP port with 1G/100M speed
Optical port indicator: 10G	on	SFP port with 10G speed

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.

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.

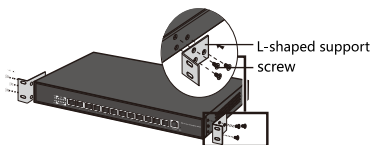


Figure 1.1.1 installation diagram of switch

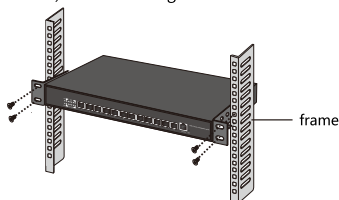


Figure 1.1.2 installation diagram of switch

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.

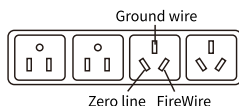


Figure 1.2.1 single phase three wire power socket

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.

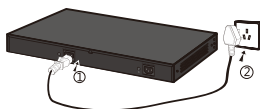


Figure 1.2.2 power connection diagram

Connect The Grounding Column

In order to avoid equipment damage caused by various external factors, it is recommended to connect the equipment to the grounding column; As shown in figure 3.3.2

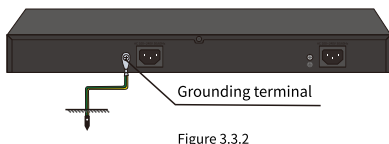


Figure 3.3.2

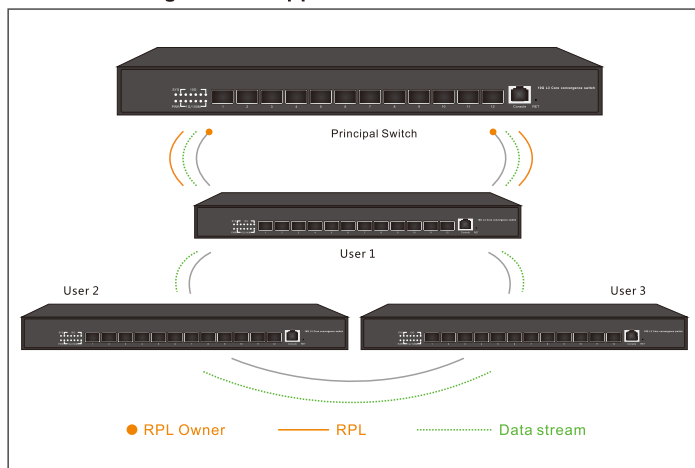
Note: This product does not provide grounding column and grounding cable.
If necessary, please buy it yourself.

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;

Scheme 1: Equipment connection



Hardware parameters

Model	12*100/1000/10000M SFP
Product name	10G SFP L3 Managed Switch
Fixed Port	12*100/1000/10000M SFP
Console port	1*console port
Reset Key	1
Jumbo Frame	Jumbo packets up to 9 KB.
VLAN Address	4K
Link Aggregation	Supports 128 trunk groups with up to 8 members per group
L3 Routing	IPv4 supports 768K; IPv6 supports 384K
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) 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 indicator 1-12:10G SFP connection indicator
Power	AC: 100-240Vac 50-60Hz 0.6A MAX 45W
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)	440mm*200mm*45mm 515mm*300mm*95mm
N.W/G.W (kg)	2.1kg/2.7kg
Installation	Rack-mount (optional machine hanger spare parts)
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.