

hasivo[®]

2.5G L3 Management Switch
▶ user's manual



S1100W-8GT-2S+
S1100WP-8GT-2S+



hasivo, Sichuan

1 Product Introduction

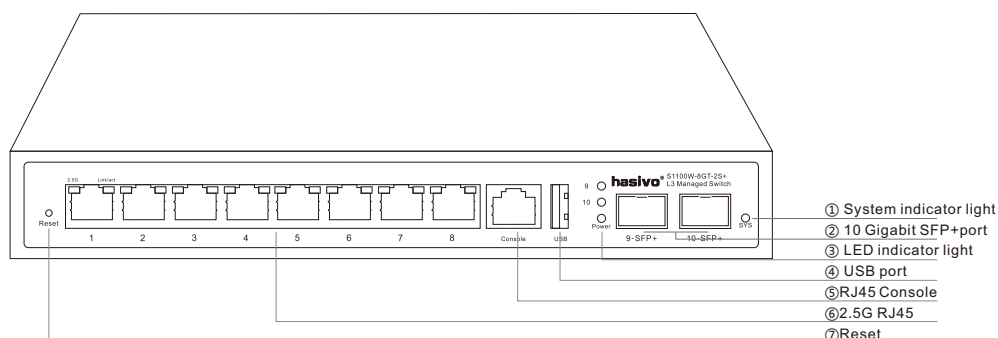
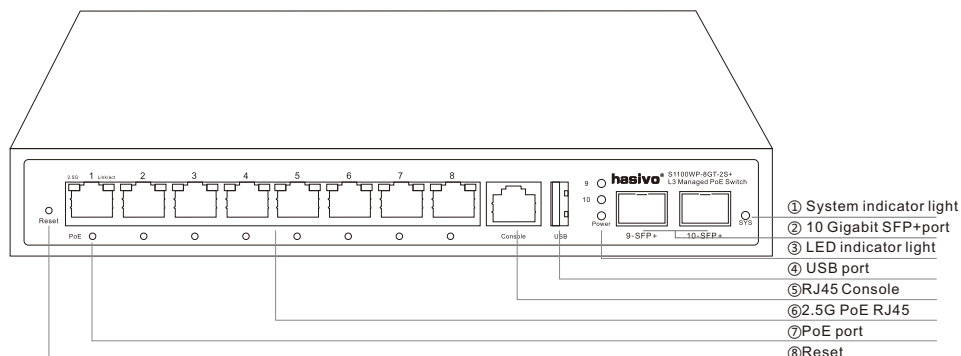
The S1100WP-8GT-2S+/S1100W-8GT-2S+management switch adopts Realtek's new generation high-performance platform and Hasivo's self-developed switch system; 8*2.5G network ports+2 10G SFP+optical ports, supporting flexible network management functions such as 802.1Q VLAN, port monitoring, port aggregation, bandwidth control applications, etc., easily adapting to the current complex network environment. Suitable for hotels, campuses, factory dormitories, and enterprises to establish an economically efficient network.

characteristic

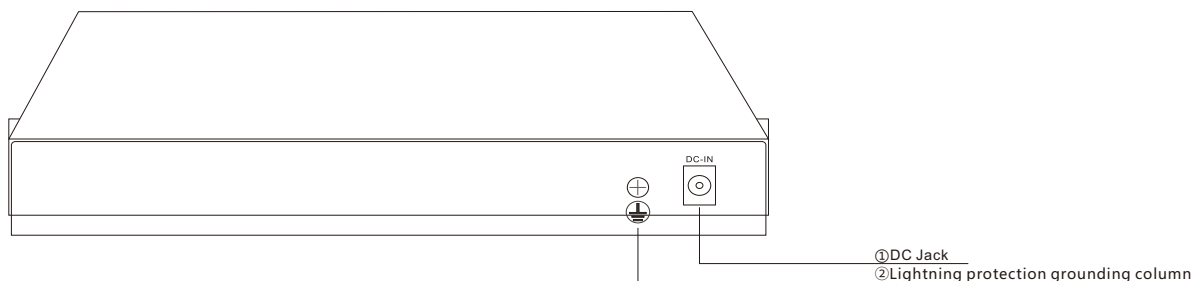
- ◆ Supports the combination of multiple types of ports, making it convenient for users to flexibly network and meet the networking needs of various scenarios.
- ◆ Each port supports MDI/MDIX automatic flipping and duplex/rate self negotiation.
- ◆ Supports IEEE 802.3x full duplex flow control and Backpressure 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 web, CLI, SSH, Telnet, SNMP.
- ◆ Support port aggregation, effectively increase link bandwidth, achieve link backup, and improve link reliability.

2 Product Display

Front schematic diagram



Back schematic diagram



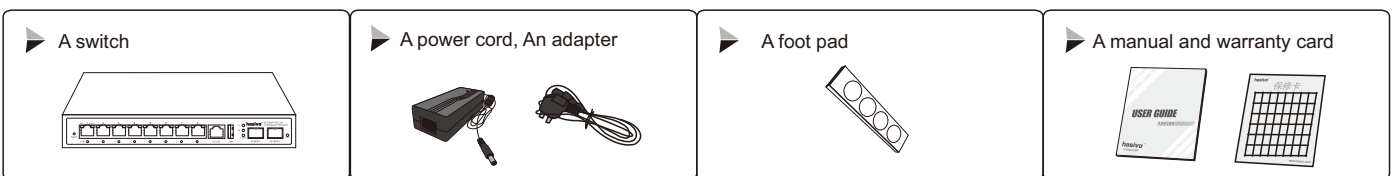
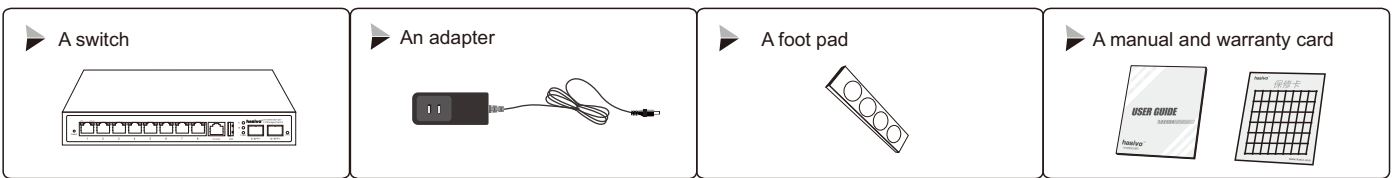
Function switch definition

Function identification	Working mode	Function Description
Reset	Reset hardware button	Press and hold the button for ≥ 3S, all port indicator lights will turn off, and the system reset is complete
USB	USB extension button	The corresponding firmware can be uploaded through a USB flash drive

Definition of indicator lights

indicator	state	description
Power indicator light: PWR	on	normal
	off	not powered on
	flash	abnormal
System indicator : SYS	1/2(Slow flash)	system startup completed and running normally
	1/4(quick flash)	system startup in progress
SFP indicator light : 9/10	off	port not connected
	on(red)	the device has been connected and is operating in10G mode
	flash(red)	in device data exchange and operating in10G mode
	on(green)	the device has been connected and is operating in100M/1G/2.5G mode
Network port indicator light : 1-8	flash(green)	in device data exchange and operating in100M/1G/2.5G mode
	off	port not connected
	on(left-orange)	the device has been connected and is operating in 2.5G mode
	on(right-green)	the device has been connected and is operating in10M/100M/1G mode
PoE power supply indicator light : PoE	flash(right-green)	device connection completed, data transmission in progress
	on	Rj45 port PoE power supply startup
	off	Rj45 port PoE not powered

Product Supporting List



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

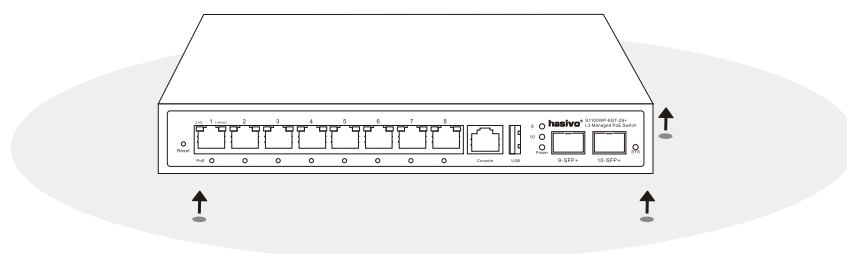
3 Product installation and precautions

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.

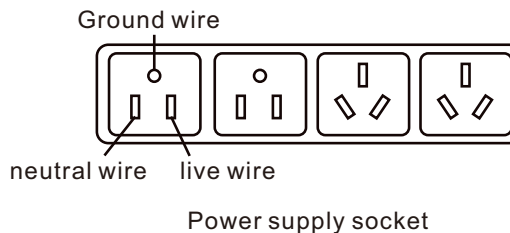
Desktop installation

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 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.

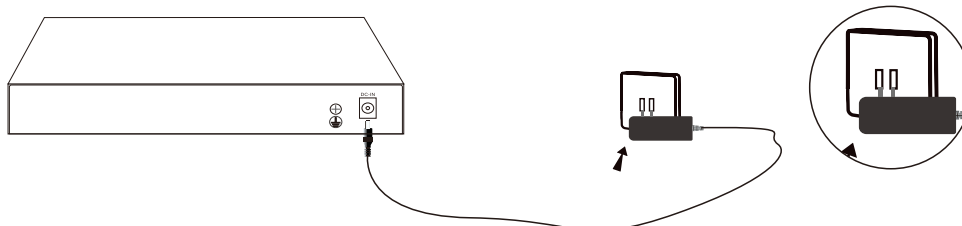


Connect the power cord

Check that the power supply matches the power supply indicated on the switch;

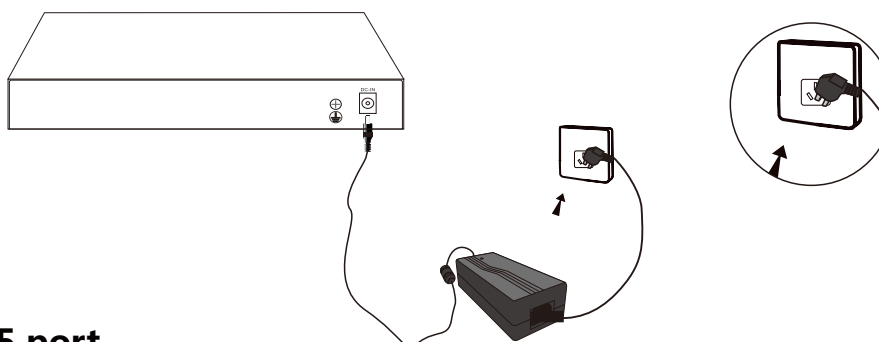
Non PoE switch connected to power cord, direct AC100~240V, 50~60Hz mains power, DC output 2V

Power Connection Diagram



PoE switch connected to power adapter, direct AC100~240V, 50~60Hz mains power, DC output 52V

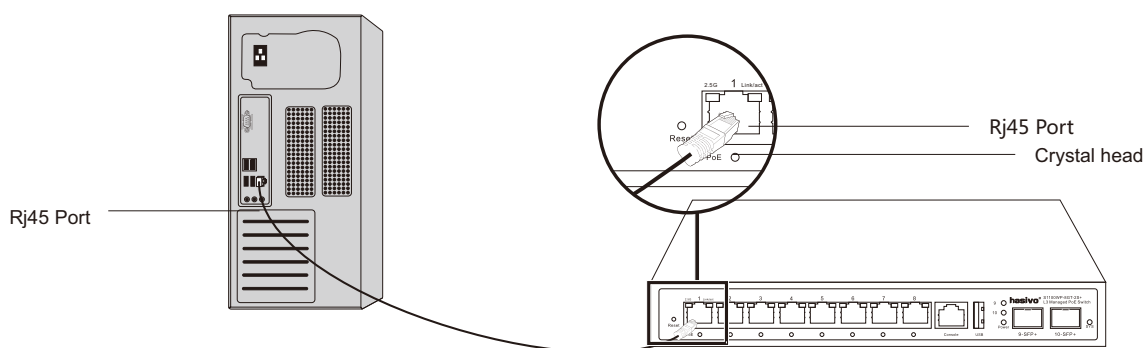
Power Connection Diagram



Connect RJ45 port

The process of connecting the switch is as follows:

Connect the switch and computer/peer device through RJ45 port

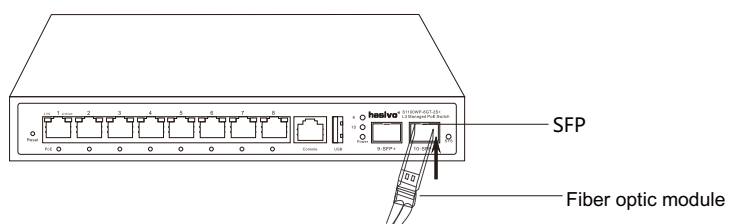


RJ45 Connection Diagram

Connect RJ45 port

The process of installing fiber optic modules in switches is as follows:

Grasp the fiber optic module from the side and smoothly insert it along the SFP port slot of the switch until the fiber optic module is tightly connected to the switch.



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 mask 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

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): 192 . 168 . 0 . 8

Subnet Mask(U): 255 . 255 . 255 . 0

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) [Advanced \(V\)...](#)

sure cancel

log on

`http://192.168.0.1`

user name: admin

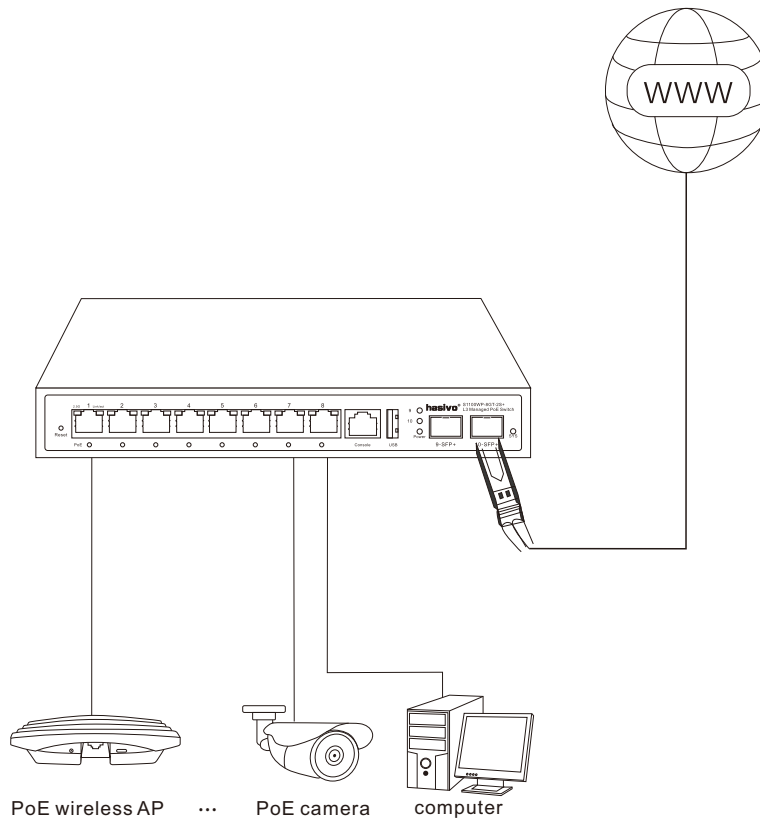
password: admin

log on cancel

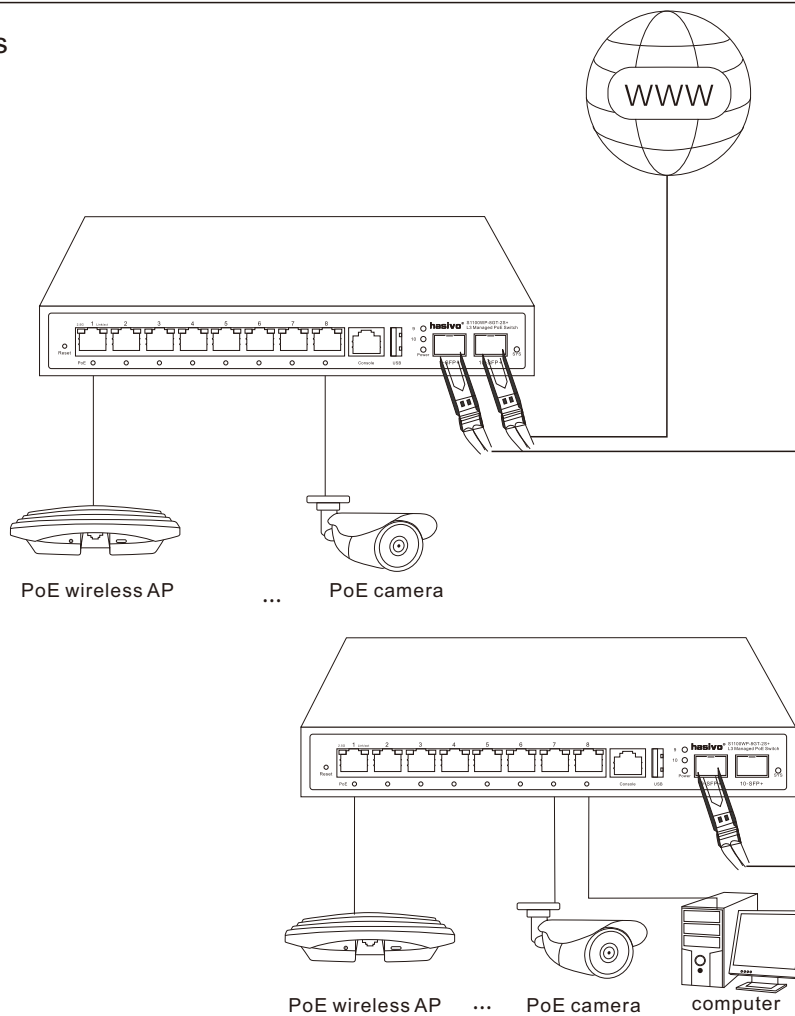
*After setting all configurations, please click on the top right corner: Save

5 Application examples

Single unit example



Multiple examples



6 Product parameters

model	S1100WP-8GT-2S+	S1100W-8GT-2S+
product name	Network managed PoE switch	Network managed switch
fixed port	8*ports of 10M/100M/1G/2.5G 2*100M/1G/2.5G/10G SFP+ports	
PoE port	Port 1 supports IEEE802.3af/at/bt, Max 90W/port PoE output Ports 2-8 support IEEE802.3af/at, Max 30W/port, PoE output	/
PoE power polarity	Af/at/bt: 12+ 45+; 36- 78- Af/at: 12+ 36-	/
USB Port	1	
RJ45 console	1	
Reset	1	
performance	store-and-forward	
backplane bandwidth	80Gbps	
packet forward rate	59.52Mpps	
network standards	IEEE802.3、IEEE802.3u、IEEE802.3ab、IEEE802.3z、IEEE802.3x	
network port characteristics	10/100/1000/2500BaseT (X) automatic detection, full/half duplex MDI/MDI-X adaptive	
forwarding mode	Store and forward (full line speed)	
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 SYS : System indicator RJ45 left orange: 2.5G connection indicator light Green on the right: LINK connection indicator light 9/10: Light port connection indicator light PoE: PoE power supply indicator light (yellow)	PWR : Power indicator light SYS : System indicator RJ45 left orange: 2.5G connection indicator light Green on the right: LINK connection indicator light 9/10: Light port connection indicator light PoE: PoE power supply indicator light (yellow)
configuration power	DC52V 2.3A	DC 12V 2A
Usage environment	Working temperature:- 10°C ~ 55°C; Storage temperature:- 40°C ~ 75°C; Working humidity: 5% to 90%, non solidifying Storage temperature: 5% to 90%, non solidifying	
Productsize/ packagingsize (L*W*H)	230mm*115mm*33mm 260mm*220mm*68mm	
NW/GW(kg)	0.84kg/1.49kg	0.84kg/1.57kg
Installation method	Desktop style	
Lightning protection/protection level	Port lightning protection: 6KV 8/20us; Protection level: IP30	
Warranty period	Complete machine for 1 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.

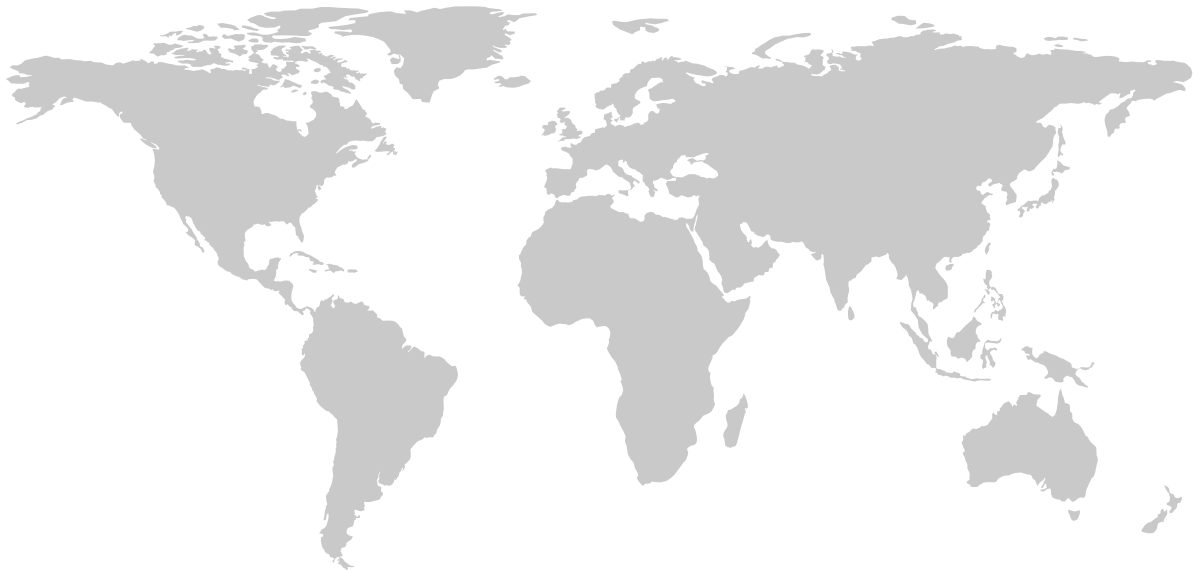
!Before switch on, please make sure that it will not cause overload of the power circuit, so as not to affect the normal operation of the switch or even unnecessary damage.

!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.



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