Tenda

Quick Installation Guide

6-Port 100M Switch with 4-Port PoE
10-Port 100M Switch with 8-Port PoE
6-Port Gigabit Switch with 4-Port PoE
10-Port Gigabit Switch with 8-Port PoE

S106PC/S110PC/SG106PC/SG110PC

Package Contents

- Switch (with power cord) x 1
- Quick installation guide x 1

S106PC is used for illustrations here unless otherwise specified. The actual product prevails.

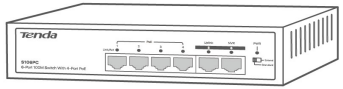
Install the device

▪ Preparations

- Desktop mounting: ESD bracelet or gloves
- Wall mounting: ESD bracelet or gloves, screwdriver, spirit level, marker, hammer drill, rubber hammer, ladder, 2 screws (self-prepared, length: 14 mm, head diameter: 5.2 mm), expansion bolts (self-prepared, height: 6.6mm, inner diameter: 2.4mm, length: 26.4mm)

▪ Desktop mounting

Place the switch horizontally on a big enough, clean, stable and flat desktop.

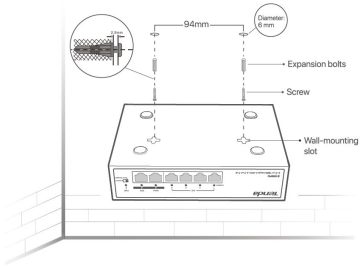


▪ Wall mounting

Note

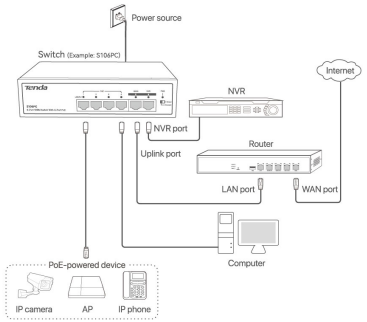
- The switch can only be installed on non-flammable walls, such as a concrete wall.
- Do **NOT** install the switch with air vents facing downward; otherwise, there will be potential safety hazards.

1. Use a hammer drill to drill 2 holes (diameter: 6 mm) on the wall and keep the two holes on a horizontal line.
2. Knock the expansion bolts into the holes using a rubber hammer. Use a screwdriver to fix the screws into the expansion bolts.
   To hang the switch on the screws firmly, leave at least 2.5 mm clearance between the inside surface of the screw header and the edge of the expansion bolt.
3. Align the two wall-mounting slots on the bottom of the switch with the two screws on the wall, and then slide the switch to fit in the screws until it is firmly hung on the screws.



Connect the device

The typical network typology of this series of switches is as follows:



Tips

- The switch supports auto MDI/MDIX. You can use either a straight-through cable or a crossover cable to connect the switch to Ethernet devices.
- Ports 1-2 are high-priority ports. You are recommended to connect network devices (such as IP cameras and APs) in key surveillance areas to these ports. This guarantees a higher priority for critical services when network congestion occurs.

After connection, you can check whether the switch is connected properly or change its working mode according to the following tables.

LED indicators

LED indicator	Status	Description
PWR	Solid on	Powered on
	Off	Powered off
Link/Act	Solid on	Connected but not active
	Blinking	Data transmitting
	Off	Not connected

Working mode toggle

Working mode	Description
Standard	Default mode. In this mode, all ports can communicate with each other.
VLAN (Available in S106PC&SG110PC)	In this mode, the PoE ports on a switch are isolated from each other, but can communicate with the Uplink port and NVR port. This mode helps isolate DHCP broadcast and reduce broadcast storm.
Extend (Available in S106PC&S110PC)	In this mode, the switch works in the following status: - For S106PC, the rate of ports 1-4 is reduced to 10 Mbps, and the maximum transmission distance is up to 250m. Ports 1-4 cannot communicate with each other, but can communicate with ports 5-6. - For S110PC, the rate of ports 1-8 is reduced to 10 Mbps, and the maximum transmission distance is up to 250m. Ports 1-8 cannot communicate with each other, but can communicate with ports 9-10.

400mm

PoE power supply description

PoE ports of the switch are assigned with power supply priorities, and the priorities decrease as the port number increases (the smaller the port number, the higher the priority). When the total power consumption of the PoE-powered devices exceeds the maximum output of the switch, the switch starts cutting the power supply from the port with the lowest priority until the total consumption is less than the maximum output.
The related specifications are as follows.

Model	S106PC/SG106PC	S110PC	SG110PC
PoE standard	Compatible with IEEE802.3af,IEEE802.3at		
PoE power cable core	8 cores (+ for cores 1, 2, 4, 5; - for cores 3, 6, 7, 8)		
PoE port	1-4	1-8	
Maximum output power of a single port	30 W		
Maximum output power of the switch	50 W	75 W	95 W

Get support and services

For technical specifications, user guides and more information, please visit the product page or service page on www.tendacn.com. Multiple languages are available.
You can see the product name and model on the product label.

https://www.tendacn.com/service/default.html

FAQ

Q1. The PWR LED indicator does not light up. What should I do?

- Ensure that the power cord is connected to the switch and the power jack properly.
- Ensure that the switch is powered on.
- Ensure that the input voltage matches the value required by the switch.

Q2. If the PoE port of the switch cannot supply power to other devices. What should I do?

- Ensure that the powered devices comply with the switch power supply standards.
- Ensure that the power consumption or total power consumption of the powered device does not exceed the maximum power supply of the switch port or whole switch.
- Ensure that a Cat 5e or higher Ethernet cable is used and properly connected.

Q3. The Link/Act LED indicator of the switch is off. What should I do?

- Ensure that the Ethernet cable between the switch and the attached device is connected properly, and the length of the Ethernet cable is within standard length 100m.
- Ensure that the switch is powered on.
- Ensure the connected device is powered on and working properly.

Safety precautions

Before performing an operation, read the operation instructions and precautions to be taken, and follow them to prevent accidents. The warning and danger items in other documents do not cover all the safety precautions that must be followed. They are only supplementary information. The installation and maintenance personnel need to understand the basic safety precautions to be taken.

- For desktop mounting, the device must be horizontally mounted for safe use.
- For wall mounting, the device is suitable for mounting at heights ≤ 2m.
- Operating environment: Temperature: 0℃ ~ 45℃; Humidity: (10% ~ 90%) RH, non-condensing; Storage environment: Temperature: -40℃ ~ 70℃; Humidity: (5% ~ 90%) RH, non-condensing.
- Clean only with dry cloth.
- Do not block any ventilation openings, such as newspapers, table-cloth, curtains.
- Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus that produce heat.
- Do not damage the ground conductor or operate the device in the absence of well installed ground conductor. Conduct the appropriate electrical inspection. Refer to the Lightning Protection Guide at the official website for instructions.
- Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles and at the point where they exit from the device.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lighting storms or when unused for long periods of time.
- The mains plug is used as the disconnect device and shall remain readily operable.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Warning: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture. The apparatus shall not be exposed to dripping or splashing.
- Warning: To reduce the risk of electric shock, do not remove cover as there no user-serviceable parts inside. Refer servicing to qualified personnel.

CE Mark Warning

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.
NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.
Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
Caution!
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
NOTE: (1) The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. (2) To avoid unnecessary radiation interference, it is recommended to use a shielded RJ45 cable.

RECYCLING

This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment. User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.

Technical Support
Shenzhen Tenda Technology Co., Ltd.
Floor 6-8, Tower E3, No.1001, Zhongshanyuan Road, Nanshan District, Shenzhen, China. 518052
Website: www.tendacn.com
E-mail: support@tenda.com.cn
support.us@tenda.cn (North America)

V1.0 Keep for future reference.