

Tenda

Quick Installation Guide

L3 Managed PoE Switch
TEG5328XP-24-410W

Package contents

- Switch x 1
- Power cord x 1
- Console cable x 1
- L-shaped bracket x 2
- Footpad x 4
- Screw (thread diameter: 3 mm, length: 8 mm; head diameter: 6 mm) x 8
- Quick installation guide

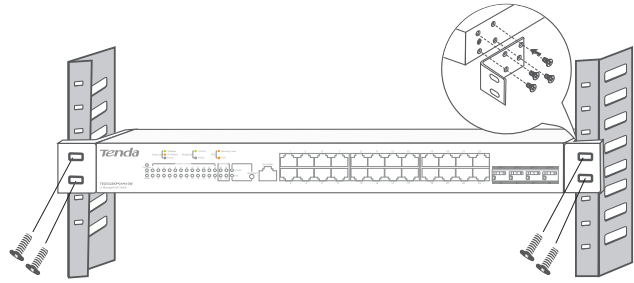
Install the device

■ Preparations

- Rack mounting: ESD bracelet or gloves, screwdriver, 4 screws (suitable for securing the switch to the rack)
- Desktop mounting: ESD bracelet or gloves
- Wall mounting: ESD bracelet or gloves, screwdriver, spirit level, marker, hammer drill, rubber hammer, ladder, 4 screws (self-prepared, thread diameter: 5 mm, length: 25 mm; head diameter: 10 mm), 4 expansion bolts (self-prepared, length: 40 mm).

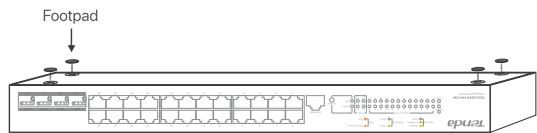
■ Rack mounting to a standard 19-inch rack

- Ensure that the rack is stable, level and properly grounded.
- Fix two L-shaped brackets to both sides of the switch with the included screws.
- Choose a proper height and fix the L-shaped brackets to the rack with screws (self-prepared). Ensure that the switch is stable on the rack.



■ Desktop mounting

- Paste the four footpads to the four recesses on the bottom of the switch. Then horizontally place the switch right-side up on a big enough, clean, stable and flat desktop.



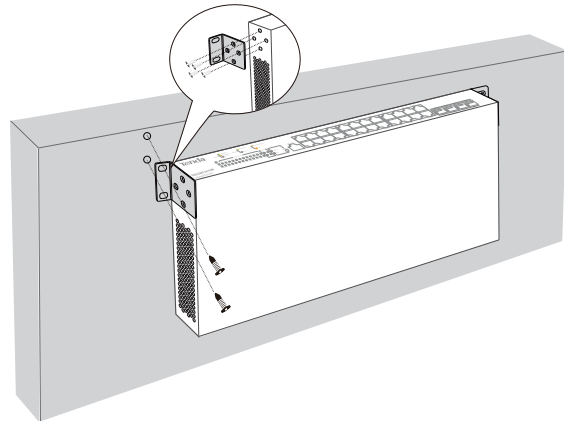
■ Wall mounting



Note:

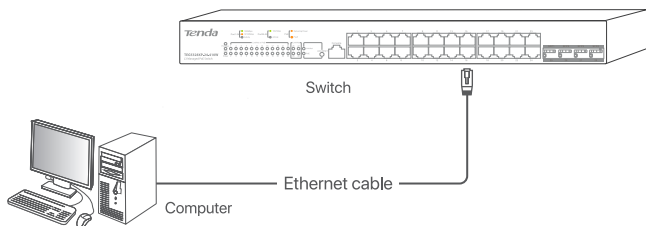
- The switch can only be installed on non-flammable walls, such as a concrete wall.
- Do **NOT** install the switch with air vents facing downward. Otherwise, there will be potential safety hazards.

- Fix two L-shaped brackets to both sides of the switch with included screws.
- Place the switch horizontally onto the wall with its RJ45 ports facing upward, and then mark the positions of the screw holes with a marker.
- Drill holes in the marked positions, and then hammer self-prepared expansion bolts (see the recommended size in **Preparations**) into the holes.
- Insert self-prepared screws (see the recommended size in **Preparations**) through the holes in two L-shaped brackets, and secure the screws into the expansion bolts with a screwdriver. Ensure that the switch is installed firmly with its RJ45 ports facing upward.



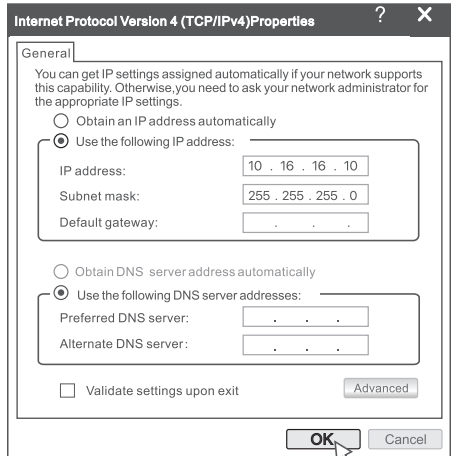
Log in to the web UI of the device

- Connect the computer to an RJ45 port of the switch using an Ethernet cable.



- Set the IP address of the computer to an unused one belonging to the same network segment with the switch.

For example, the default IP address of the switch is 10.16.16.168, set the IP address of the computer to **10.16.16.X** (X ranges from 2 to 254 excluding 168 and is not be occupied) and subnet mask to **255.255.255.0**.



- Launch a web browser (example: Chrome) on the computer, input the management IP address of the switch (default: 10.16.16.168) in the address bar, and press **Enter** on the keyboard.



- Enter the login user name and password (both are **admin** by default), and click **Login**.



Tips:

- Password must be changed upon first login.

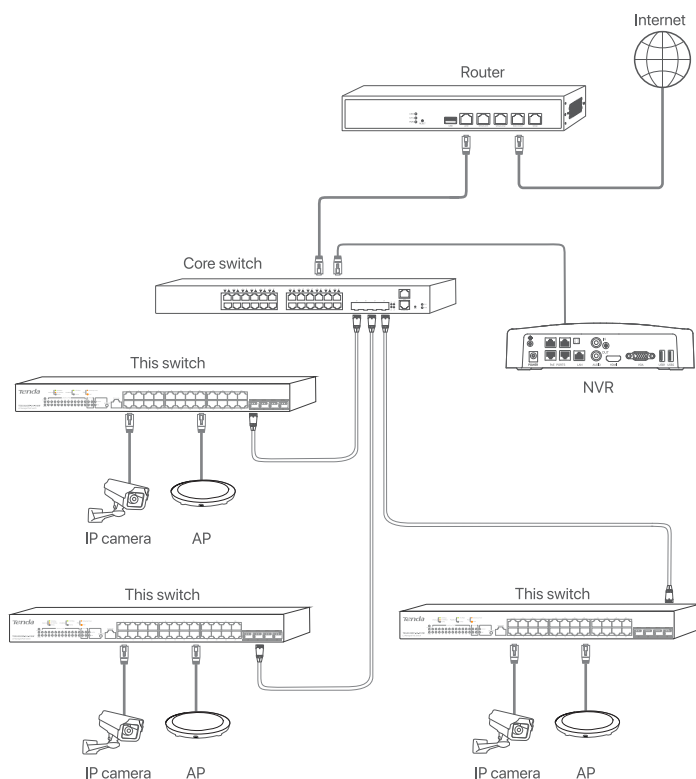
After successfully logging in to the web UI of the switch, you can configure the switch. If the login window does not appear, see **Q1** in **FAQ**.

Typical network topology



Tips:

- The SFP+ ports on the switch are independent.
- The switch supports auto MDI/MDIX. You can connect the switch to Ethernet devices by using either a straight-through cable or a crossover cable.



LED indicators & button

LED indicator /Button	Description
PoE-Max	Solid on: The total output power of the switch reaches the maximum value. Off: The total output power of the switch does not reach the maximum value.
SYS	Blinking: The system works properly. Solid on: The system is not working properly. Off: The system is starting up or not working properly.
Power	Solid on: The switch is powered on properly. Off: The switch is not powered on, or not powered on properly.
Link/Act or PoE	Link/Act and PoE multipurpose LED indicator. It indicates the connection status or PoE power supply status of RJ45 ports based on the converted status of the LED Mode button. - When the Link/Act LED indicator of LED Mode is solid on, the descriptions of the Link/Act or PoE LED indicators are shown as follows: • Solid on: The port is connected to a network device, but no data is being transmitted over the port. • Blinking: Data is being transmitted over the port. • Off: The port is not connected or is not connected properly. Green light indicates that the negotiation rate of the port is 1000 Mbps, and orange light indicates a rate of 10 Mbps or 100 Mbps. - When the PoE LED indicator of LED Mode is solid on, the descriptions of the Link/Act or PoE LED indicators are shown as follows: • Solid orange: The port supplies PoE power to a device properly. • Blinking orange: The port is not supplying PoE power to a device properly. • Off: The port does not supply PoE power.
Link/Act	Solid on: The port is connected, but no data is being transmitted over the port. Blinking: Data is being transmitted over the port. Off: The port is not connected or is not connected properly.
LED Mode	This multipurpose button is for both LED indicator converting and reset. - Press the LED Mode button to convert the mode of the Link/Act or PoE LED indicator. • When the Link/Act LED indicator of LED Mode is solid on, the Link/Act or PoE LED indicator is in the Link/Act mode. • When PoE LED indicator of LED Mode is solid on, the Link/Act or PoE LED indicator is in the PoE mode. - To learn how to reset the switch, see Q3 in FAQ .

FAQ

Q1. I cannot log in to the web UI of the switch. What should I do?

A1. Try the following solutions:

- Ensure that the switch is powered on properly.
- Ensure that the computer is connected to the switch properly.
- Ensure that the IP address of the computer is set to **10.16.16.X** (X ranges from 2 to 254 excluding 168 and is not be occupied).
- Clear the cache of the web browser or try another web browser.
- Disable the firewall of the computer, or try another computer.
- Ensure that there is only one device with the IP address 10.16.16.168 exists in the local network.
- If the problem persists, refer to **Q3** to reset the switch and try again.

Q2. I forgot the login user name and password when logging in to the web UI. What should I do?

A2. Try entering the default login user name and password (both are **admin**). If the problem persists, refer to **Q3** to reset the switch and try again.

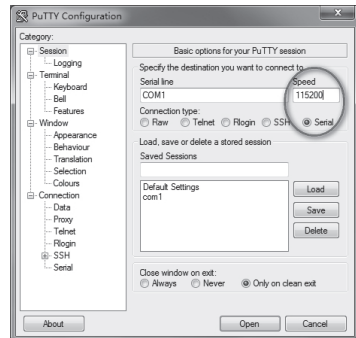
Q3. How to reset the switch?

A3. When the **Power** LED indicator is solid on and the **SYS** LED indicator is blinking, hold down the **LED Mode** button for about 10 seconds, and release it when all LED indicators light up. The switch is restored to factory settings when the **SYS** LED indicator blinks again.

Q4. How to connect to the switch through the Console port?

A4. Follow the procedures below:

- Use the included console cable to connect a computer to the Console port of the switch.
- Run the connection software of console port on the computer. PuTTY is taken as an example.
Set the **Connection type** to **Serial**, **Speed** to **115200**, and click **Open** on the lower right corner.



- Double press **Enter** on your keyboard, and enter the user name and password (both are **admin** by default) of the switch in the appeared window as shown below.



Q5. How to deal with power system malfunctions?

A5. You can determine whether the power system malfunctions by observing the Power LED indicator on the front panel of the switch. When the power system works properly, the Power LED indicator is solid on. If the Power LED indicator does not light up, perform the following operations:

- Ensure that the switch is properly connected to a power source using the included power cord.
- Ensure that the input voltage matches the value required by the switch.

Q6. What are the PoE power supply parameters of the device?

A6. See the following table:

PoE standards	IEEE 802.3af, IEEE 802.3at
PoE power cable core	8 cores, voltage of cores 1,2,4,5 is +, and cores 3,6,7,8 is -
PoE port	1 ~ 24
Maximum output power of a single port	30 W
Maximum output power of the switch	370W

Safety precautions

Before operating, 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, and the installation and maintenance personnel need to understand the basic safety precautions to be taken.

- The device is for indoor usage only.
- For desktop mounting, the device must be horizontally mounted for safe use.
- For wall or rack mounting, the device is only suitable for mounting at heights is less than or equal to 2m.
- Operating environment: Temperature: 0°C - 45°C; Humidity: (10% - 90%) RH, non-condensing; Storage environment: Temperature: -40°C - 70°C; Humidity: (5% - 90%) RH, non-condensing.
- 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 device when unused for long periods of time.
- The mains plug is used as the disconnect device and shall remain readily operable.
- Wear the ESD bracelet or gloves before installation and do not power on the switch before finishing installation.
- Make sure that the input voltage is within the input voltage range specified in the device.
- Do not block any ventilation openings using things such as newspapers, table-cloth, curtains.
- Clean only with dry cloth.
- Warning: To reduce the risk of fire or electric shock, do not expose this device to rain or moisture. The device shall not be exposed to dripping or splashing.
- Warning: To reduce the risk of electric shock, do not remove the cover as there are no user-serviceable parts inside.
- Refer all servicing to qualified service personnel. Servicing is required when the device has been damaged in any way, for example, power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the device, the device has been exposed to rain or moisture, does not work normally, or has been dropped.

For the latest safety precautions, see **Safety and Regulatory Information** on www.tendacn.com

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>



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.



CE Mark Warning

This is a Class A product.

Warning: Operation of this equipment in a residential environment could 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.

Declaration of Conformity

Hereby, SHENZHEN TENDA TECHNOLOGY CO., LTD. declares that the device is in compliance with directives 2014/35/EU and 2014/30/EU.

The full text of the EU declaration of conformity is available at the following Internet address: <https://www.tendacn.com/download/list-9.html>

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

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