Quick Installation Guide

26/18GE+2SFP Ethernet Switch With 24/16-Port PoE
TEG1128P-24-410W, TEG1128P-24-250W/
TEG1120P-16-250W, TEG1120P-16-150W

Package contents

- Switch × 1
- Footpad × 4
- L-shaped bracket × 2
- Power cord × 1
- Screw (Thread diameter: 3 mm, Length: 8 mm × 8
- Quick installation guide

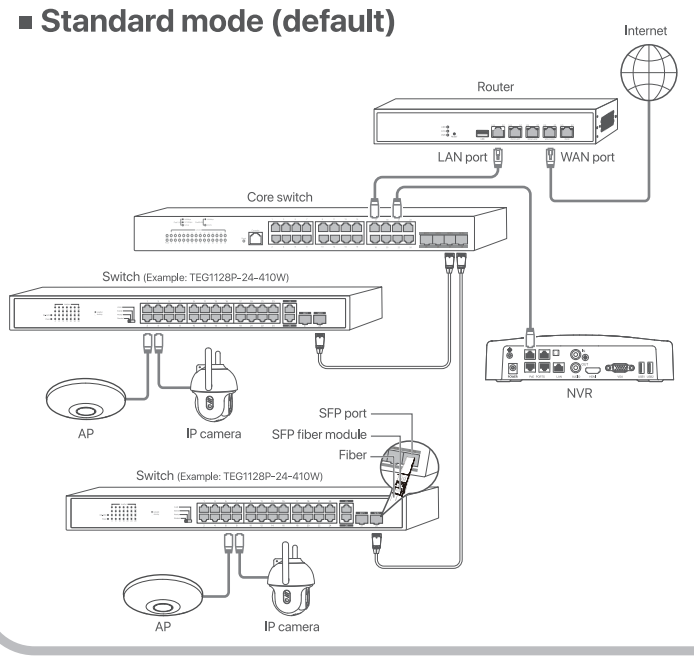
TEG1128P-24-410W is used for illustrations here unless otherwise specified. The actual product prevails.

Typical network topologies

Tips:

- The SFP port on the switch is an independent SFP port.
- 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.
- To protect the switch from overload, PoE ports of your switch are assigned with power supply priorities, and the priorities decrease as the port number increases. 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 does not exceed the maximum output.

■ Standard mode (default)



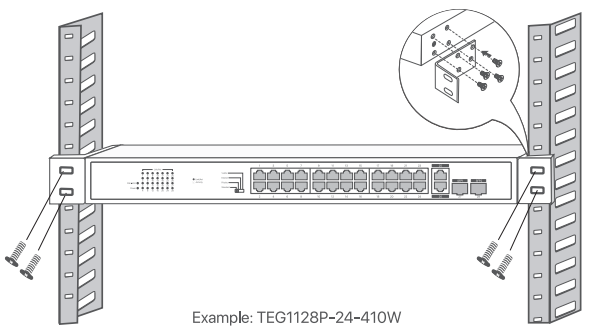
Install the device

■ 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, thread diameter: 5 mm, length: 40 mm).

■ Rack mounting (to a standard 19-inch rack)

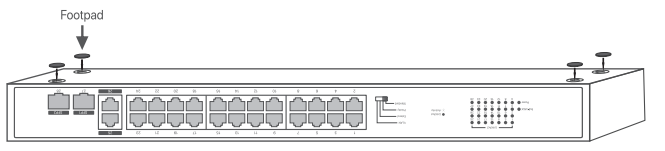
1. Ensure that the rack is stable, level and properly grounded.
2. Fix the two L-shaped brackets to both sides of the switch with the included screws.
3. Choose a proper height and fix the L-shaped brackets to the rack with screws (self-prepared). Ensure that the switch is stable on the rack.



Example: TEG1128P-24-410W

■ 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.



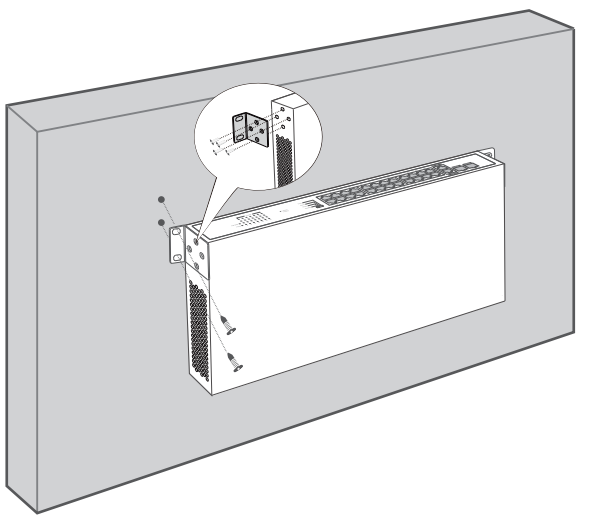
Example: TEG1128P-24-410W

■ Wall mounting

Note

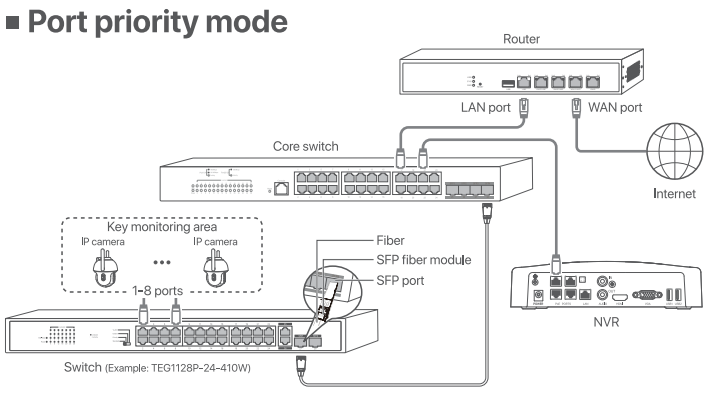
- The switch can only be installed on non-flammable walls, such as a concrete wall.
- Do **NOT** install the switch with air vents facing downward; otherwise, there will be potential safety hazards.

1. Fix the two L-shaped brackets to both sides of the switch with the included screws.
2. Place the switch horizontally onto the wall with its RJ45 ports facing upward, and then mark the screw holes on the wall with a marker.
3. Drill holes in the marked positions, and then hammer the expansion bolts (self-prepared, specifications see **Preparations**) into the holes.
4. Insert the screws (self-prepared, specifications see **Preparations**) through the holes of the 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.

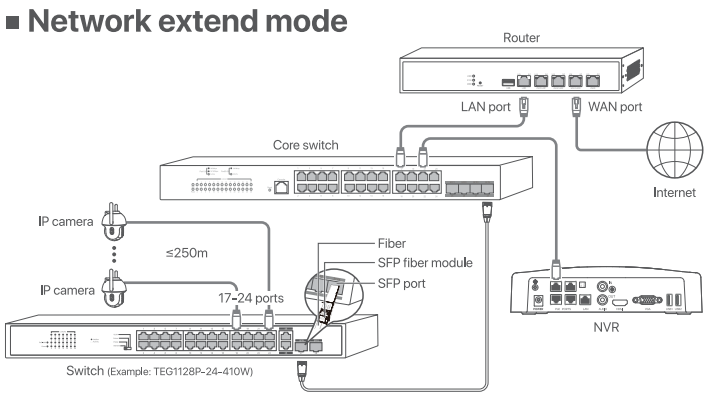


Example: TEG1128P-24-410W

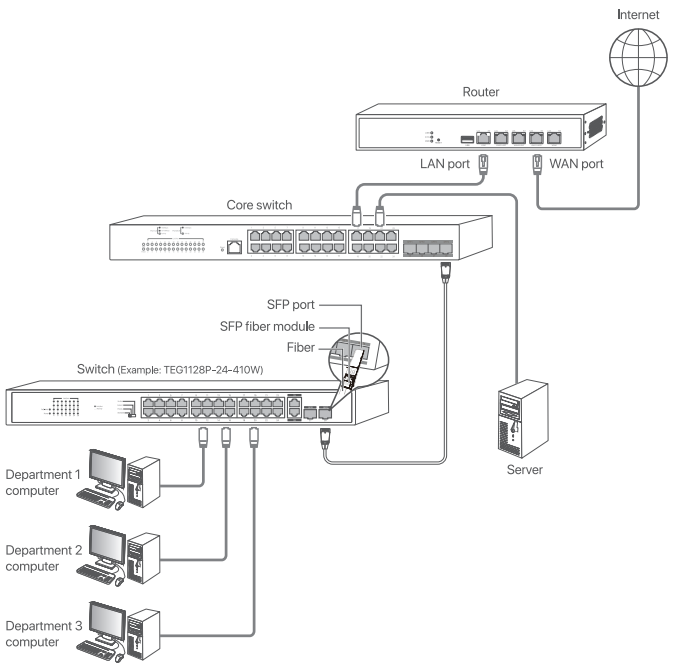
■ Port priority mode



■ Network extend mode



■ VLAN mode



LED indicators

LED indicator	Description
PoE-MAX	**Solid on:** Reach max. PoE budget.
	Off: Not reach max. PoE budget.
Power	**Solid on:** Powered on
	Off: Powered off
Link/Act(1-20/1-28)	**Solid on:** Connected but without data transmitting
	Blinking: Connected and data transmitting
	Off: Not connected

Working mode toggle

Working mode	Description
Default	Default mode. In this mode, all ports can communicate with each other.
Priority	In this mode, ports 1 to 8 are high-priority ports. All ports can communicate with each other. When using this mode, you are advised to connect Ethernet devices (such as IP cameras and APs) in critical areas to higher-priority ports to ensure that critical services are prioritized when network congestion occurs.
Extend	In this mode, the working status of each switch is as follows: - For TEG1120P-16-250W and TEG1120P-16-150W: The maximum transmission distance of 9 to 16 ports can reach 250 meters, and all ports can communicate with each other. - For TEG1128P-24-410W and TEG1128P-24-250W: The maximum transmission distance of 17 to 24 ports can reach 250 meters, and all ports can communicate with each other.
VALN	In this mode, the working status of each switch is as follows: - For TEG1120P-16-250W and TEG1120P-16-150W: Ports 1 to 16 cannot communicate with each other, but can communicate with ports 17, 18, SFP1, and SFP2. - For TEG1128P-24-410W and TEG1128P-24-250W: Ports 1 to 24 cannot communicate with each other, but can communicate with ports 25, 26, SFP1, and SFP2. This mode can be used to reduce broadcast storms and isolate DHCP broadcasts.

FAQ

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

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

Q2: 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.
- Ensure that the Ethernet cable is not damaged, and the length of the Ethernet cable meets the requirements.
- Ensure that the power socket is powered on.
- Ensure the connected device is powered on and working properly.

Q3: The PoE ports do not supply power to devices. What should I do?

- Ensure that the powered devices comply with the IEEE 802.3af/at PoE standards.
- Ensure that the power consumption/total power consumption does not exceed the maximum output power of each port/switch.
- Ensure that the powered devices are connected to the switch properly with CAT5e or better Ethernet cables.

Q4: What are the PoE power supply parameters of each device?

Model	TEG1128P-24-410W	TEG1128P-24-250W	TEG1120P-16-250W	TEG1120P-16-150W
PoE standards	IEEE 802.3af, IEEE 802.3at			
PoE power cable core	4 cores, voltage of cores 1,2 is +, and cores 3,6 is -			
PoE port	1 - 24		1-16	
Maximum output power of a single port	30 W			
Maximum output power of the switch	370W	230W		135W

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

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.

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

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. 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 ≤ 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.
- Clean only with dry cloth.
- Do not block any ventilation openings, such as newspapers, tablecloths, 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 device when unused for long periods.
- The mains plug is used as the disconnect device and shall remain readily operable.
- 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 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.

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

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.

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V1.0 Keep for future reference.