

# Installation Guide

Omada Access 10-Port Gigabit Switch with 8-Port PoE+

The images in this guide are for demonstration only and may differ from your actual product.



For more information, go to the Documents center by scanning the QR code or visiting <https://support.omadanetworks.com/document/>.

## Package Contents



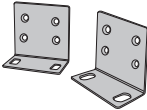
Switch



Installation Guide



Power Cord



Mounting Brackets



Screws



Rubber Feet

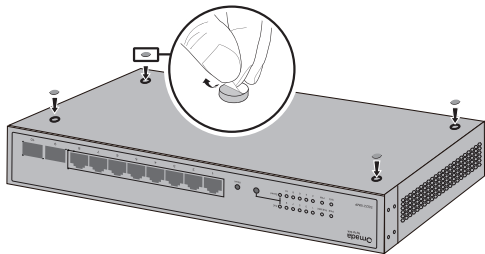
## LED Explanation

| LED                                    | Explanation   |
|--|---|
| PWR                                    | <p><b>On:</b> The switch is powered on.</p> <p><b>Off:</b> The switch is powered off or power supply is abnormal.</p> <p><b>Flashing:</b> Power supply is abnormal.</p>   |
| SYS                                    | <p><b>Flashing:</b> The switch works properly.</p> <p><b>On or Off:</b> The switch works improperly.</p>  |
| FAN                                    | <p><b>Green:</b> All the fans work properly.</p> <p><b>Yellow:</b> Not all the fans work properly.</p>  |
| PoE Max                                | <p><b>On:</b> The remaining PoE power is <math>\leq 7</math> W.</p> <p><b>Flashing:</b> The remaining PoE power keeps <math>\leq 7</math> W after this LED is on for 2 minutes.</p> <p><b>Off:</b> The remaining PoE power is <math>&gt; 7</math> W.</p>  |
| Port 1-8<br>(When the Speed LED is on) | <p><b>Green On:</b> Running at 1000 Mbps, but no activity.</p> <p><b>Green Flashing:</b> Running at 1000 Mbps and is transmitting or receiving data.</p> <p><b>Yellow On:</b> Running at 10/100 Mbps, but no activity.</p> <p><b>Yellow Flashing:</b> Running at 10/100 Mbps and is transmitting or receiving data.</p> <p><b>Off:</b> No device is linked to the corresponding port.</p>   |
| Port 1-8<br>(When the PoE LED is on)   | <p><b>Green On:</b> The port is supplying power normally.</p> <p><b>Green Flashing:</b> The supply power exceeds the corresponding port's maximum power.</p> <p><b>Yellow On:</b> Overload or short circuit is detected.</p> <p><b>Yellow Flashing:</b> Power-on self-test failed.</p> <p><b>Off:</b> Not providing PoE power on the port.</p>  |
| Port 9-10                              | <p><b>Green On:</b> A 1000 Mbps device is linked to the corresponding port, but no activity.</p> <p><b>Green Flashing:</b> A 1000 Mbps device is linked to the corresponding port and is transmitting or receiving data.</p> <p><b>Yellow On:</b> A 100 Mbps device is linked to the corresponding port, but no activity.</p> <p><b>Yellow Flashing:</b> A 100 Mbps device is linked to the corresponding port and is transmitting or receiving data.</p> <p><b>Off:</b> No device is linked to the corresponding port.</p> |

## Installation

### Option 1: Desktop Installation

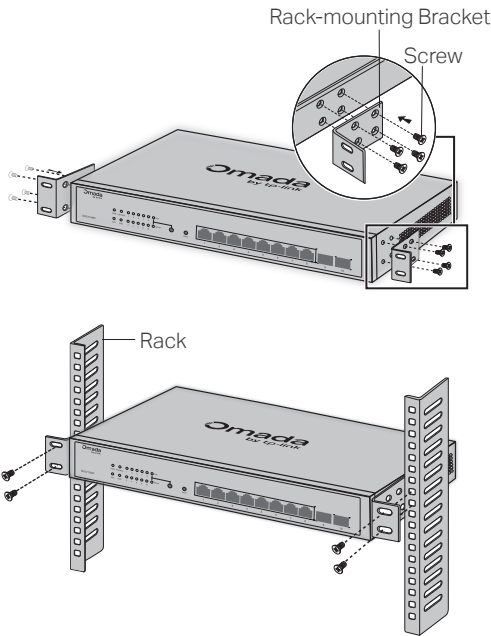
Attach the supplied rubber feet to the bottom of the switch to prevent it from slipping when placed on a desktop.



**Note:**

Avoid placing the switch on top of another and use the rubber feet to ensure enough clearance for air circulation.

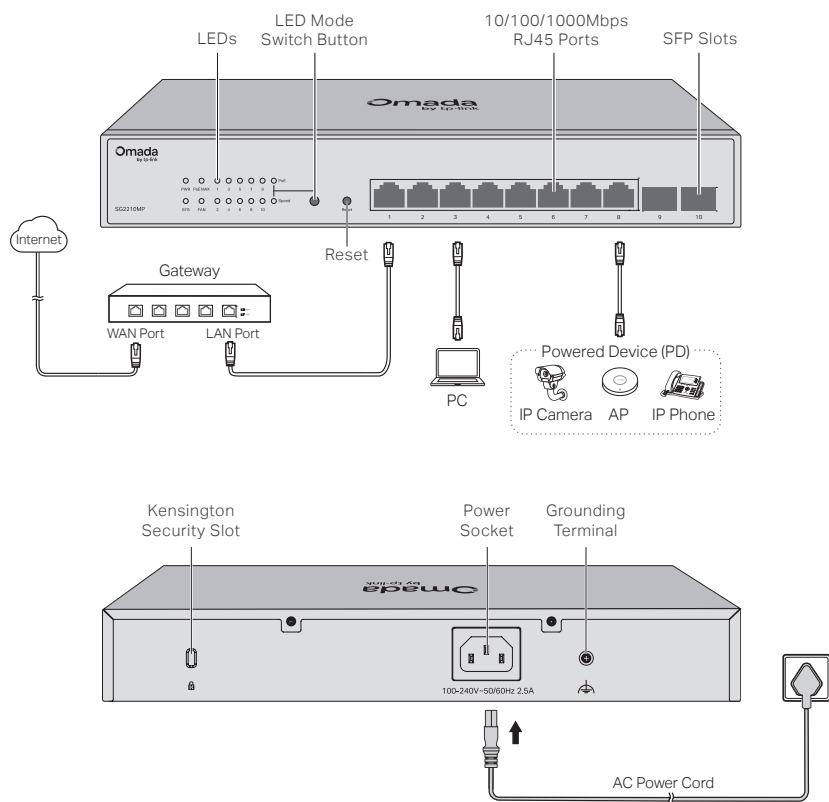
### Option 2: Rack Installation



**Note:**

- Leave 5 to 10 cm gaps around the devices for air circulation.
- Avoid placing heavy things on the device.
- Place the device with its bottom facing downwards.
- Mount devices in sequence from the bottom to top of the rack and ensure a certain clearance between devices for the purpose of heat dissipation.

## Connection



### Note:

- PoE ports can also connect to non-PoE devices, but only transmit data.
- Maximum PoE power is 30 W for each PoE port, and 150 W for all PoE ports.
- PoE budget calculations are based on laboratory testing. Actual PoE power budget is not guaranteed and will vary as a result of client limitations and environmental factors.

## Configuration

The switch supports two configuration methods:

### Standalone Mode

Configure and manage the switch individually.

To set up a standalone Omada switch, scan the QR code or refer to <https://www.omadanetworks.com/support/faq/4097/>.



Scan for Standalone Configuration Guide

### Controller Mode

Configure and manage the network devices centrally.

This mode is recommended for large-scale networks with numerous devices, including access points, switches, and gateways.

To set up an Omada switch with an Omada Controller, scan the QR code or refer to the Omada Controller configuration guide at <https://www.omadanetworks.com/support/faq/4096/>.



Scan for Controller Configuration Guide

### Omada App

With the TP-Link Omada app, you can access and manage your Omada devices at a local site or remotely with a tap of your phone. You can download and install the TP-Link Omada app from the App Store or Google Play.



or



Scan for Omada App



Download Omada App

For detailed instructions on device configuration, refer to the user guides of the Controller and switches. The guides can be found in the Documents center of our official website: <https://support.omadanetworks.com/document/>.

## Safety Precautions

To avoid any device damage and bodily injury caused by improper use, you should observe the following rules.

- Keep the power off during the installation.
- Wear an ESD-preventive wrist strap, and make sure that the wrist strap has a good skin contact and is well grounded.
- Use only the power cord provided with the switch.
- Make sure that the supply voltage matches the specifications indicated on the rear panel of the switch.
- Ensure that the switch is installed in a well-ventilated environment and its ventilation hole is not blocked.
- Do not open or remove the cover of the switch.
- Before cleaning the device, cut off the power supply. Do not clean it by the waterish cloth, and never use any other liquid cleaning method.
- Place the device with its bottom surface downward.

## Site Requirements

### Temperature/Humidity

Keep the equipment room at an appropriate level of temperature and humidity. Too much or too little humidity may lead to bad insulation, leakage of electricity, mechanical property changes, and corrosion. High temperatures may accelerate aging of the insulation materials, significantly shortening the service life of the device.



### Cleanness

The dust accumulated on the switch can be absorbed by static electricity and result in poor contact of metal contact points. Some measures have been taken for the device to prevent static electricity, but too strong static electricity can cause deadly damage to the electronic elements on the internal circuit board. To avoid the effect of static electricity on the operation of the switch, attach much importance to the following items:

- Dust the device regularly, and keep the indoor air clean.
- Keep the device well grounded and ensure that the static electricity has been transferred.



## More Resources

|                   |   |
|-------------------|---|
| Main Site         | <a href="https://www.omadanetworks.com">https://www.omadanetworks.com</a>   |
| Video Center      | <a href="https://support.omadanetworks.com/video">https://support.omadanetworks.com/video</a>                     |
| Documents         | <a href="https://support.omadanetworks.com/document">https://support.omadanetworks.com/document</a>               |
| Product Support   | <a href="https://support.omadanetworks.com/product">https://support.omadanetworks.com/product</a>                 |
| Technical Support | <a href="https://support.omadanetworks.com/contact-support">https://support.omadanetworks.com/contact-support</a> |

## Warranty

For details on the warranty period, policy, and procedures, visit <https://support.omadanetworks.com/warranty-services>.

## Support

For technical support, user guides and other information, please visit <https://support.omadanetworks.com/>, or simply scan the QR code.



## Electromagnetic Interference

Electronic elements including capacitance and inductance on the device can be affected by external interferences, such as conducted emission by capacitance coupling, inductance coupling, and impedance coupling. To decrease the interferences, make sure to take the following measures:

- Use the power supply that can effectively filter interference from the power grid.
- Keep the device far from high-frequency and strong-current devices such as radio transmitting station.
- Use electromagnetic shielding when necessary.



## Lightning Protection

Extremely high voltage currents can be produced instantly when lightning occurs and the air in the electric discharge path can be instantly heated up to 20,000 °C. As this instant current is strong enough to damage electronic devices, more effective lightning protection measures should be taken.

- Ensure that the rack and the device are well earthed.
- Make sure the power socket has a good contact with the ground.
- Keep a reasonable cabling system and avoid induced lightning.
- Use the signal SPD (Surge Protective Device) when wiring outdoor.

Note:

For detailed lightning protection measures, refer to the Lightning Protection Guide from: <https://support.omadanetworks.com/r/1004/>.



## Installation Site

When installing the device on a rack or a flat workbench, attach much importance to the following items:

- The rack or workbench is flat, stable, and sturdy enough to support the weight of 5.5 kg at least.
- The rack or workbench has a good ventilation system. The equipment room is well ventilated.
- The rack is well grounded. Keep the device less than 1.5 meters away from the power socket.



## Safety Information

- Keep the device away from water, fire, humidity or hot environments.
- Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.
- Place the device with its bottom surface downward.
- The plug on the power supply cord is used as the disconnect device, the socket-outlet shall be easily accessible.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.
- Plug the product into the wall outlets with earthing connection through the power supply cord.
- The PoE ports shall not be used to charge lithium batteries or devices supplied by lithium batteries.

## EU declaration of conformity

TP-Link hereby declares that the switch is in compliance with the essential requirements and other relevant provisions of directives 2014/30/EU, 2014/35/EU, 2011/65/EU and (EU)2015/863.

The original EU declaration of conformity may be found at <https://www.tp-link.com/en/support/ce/>

## UK declaration of conformity

TP-Link hereby declares that the switch is in compliance with the essential requirements and other relevant provisions of the Electromagnetic Compatibility Regulations 2016 and Electrical Equipment (Safety) Regulations 2016.

The original UK declaration of conformity may be found at <https://www.tp-link.com/support/ukca/>

