



Installation Guide

Easy Managed Switch

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



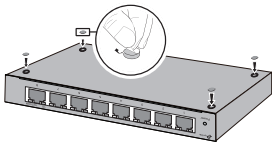
For technical support and other information, please visit <https://www.tp-link.com/support/>, or simply scan the QR code.

LED Explanation

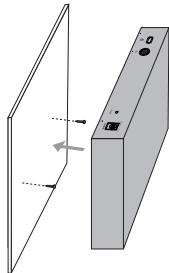
LED	Explanation
Power	On/Off: Power on/off
Link/Act	On (Green): Running at 1000 Mbps On (Yellow): Running at 10/100 Mbps Blinking: Transmitting/receiving data Off: No connected device
PoE Status (For Port 1-4 of TL-SG205PE / Port 1-8 of TL-SG208PE)	On: Providing PoE power Blinking: Current-overload/Short-circuit Off: Not providing PoE Power
PoE Max (For TL-SG205PE / TL-SG208PE)	For TL-SG205PE: On: $58\text{ W} \leq \text{Total power supply} < 65\text{ W}$ Blinking: Total power supply keeps $\geq 58\text{ W}$ for more than 2 minutes Off: Total power supply $< 58\text{ W}$ For TL-SG208PE: On: $57\text{ W} \leq \text{Total power supply} < 64\text{ W}$ Blinking: Total power supply keeps $\geq 57\text{ W}$ for more than 2 minutes Off: Total power supply $< 57\text{ W}$

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Installation



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



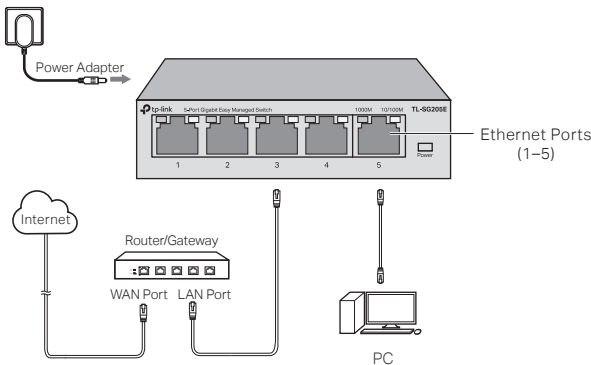
Wall-mounting:
Drill two holes on the wall according to the mounting holes on the bottom of the switch, then secure the switch to the wall with two suitable screws (not provided).

Note: For detailed information, please refer to the Wall Mounting Guide on the device's support page.

Connection

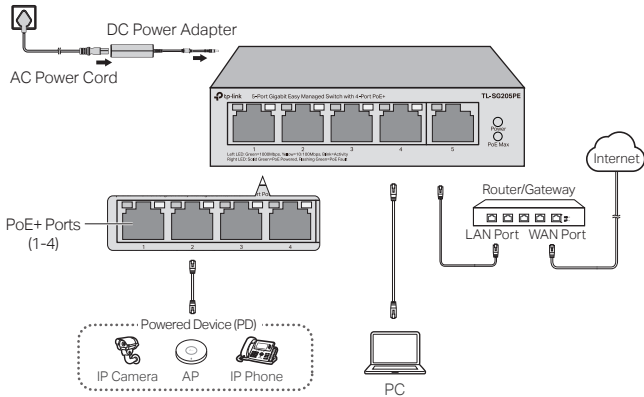
Connection for Non-PoE Switch

For simplicity, we will take TL-SG205E for example throughout the Guide.



Connection for PoE Switch:

For simplicity, we will take TL-SG205PE for example throughout the Guide.



- Note:**
1. The PoE ports can also connect to non-PoE devices, but only transmit data.
 2. The PoE ports shall not be used to charge lithium batteries or devices supplied by lithium batteries.
 3. Maximum PoE power is 30 W for each PoE port, and total PoE budget is 65 W (for TL-SG205PE) / 64 W (for TL-SG208PE).
 4. 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 switch, scan the QR code or refer to <https://www.tp-link.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 a switch with an Omada Controller, scan the QR code or refer to the Omada Controller configuration guide at <https://www.tp-link.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.



Scan for Omada App



Download Omada App

For detailed instructions on device configuration, refer to the user guides of the Controller and switches.

Frequently Asked Questions (FAQ)

Q1. The Power LED is not lit.

The Power LED should be lit when the power system is working normally. If the Power LED is not lit, please check as follows:

- A1: Make sure the switch and power source are properly connected through the power adapter.
- A2: Make sure the power source voltage meets the input voltage requirements of both the power adapter and the switch.
- A3: Make sure the power source is on.

Q2. Why is the Link/Act LED not lit while a device is connected to the corresponding port?

It is recommended that you check the following items:

- A1: Make sure that the cable connectors are firmly plugged into the switch and the device.
- A2: Make sure the connected device is turned on and working well.
- A3: The cable must be less than 100 meters long (328 feet). If Extend Mode is enabled, it should be less than 250 meters (820 feet).

Q3. Why is PoE Port not supplying power for PoE devices?

When the total power consumption of connected PoE devices exceeds the maximum, the PoE port with a smaller port number has a higher priority. The system will cut off power to the ports with larger port numbers to ensure supplying to other ports.

Take TL-SG205PE for example. If port 1, 2 and 4 are consuming 15.4 W respectively, and an additional PoE device with 20 W is connected to port 3, the system will cut off the power of port 4 to compensate for the overload.

Environmental and Physical Specifications

Operating Temperature	-5 °C to 45 °C (23 °F to 113 °F) (For TL-SG208E) 0 °C to 40 °C (32 °F to 104 °F) (For TL-SG205E / TL-SG205PE / TL-SG208PE)
Storage Temperature	-40 °C to 70 °C (-40 °F to 158 °F)
Operating Humidity	10% RH to 90% RH non-condensing
Storage Humidity	5% RH to 90% RH non-condensing

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.
- Do not use damaged charger or USB cable to charge the device.
- Do not use any other chargers than those recommended.
- Adapter shall be installed near the equipment and shall be easily accessible.
- Use only power supplies which are provided by manufacturer and in the origin packing of this product. If you have any questions, please don't hesitate to contact us.
- Place the device with its bottom surface downward.
- The socket-outlet shall be installed near the equipment and shall be easily accessible. (For TL-SG205PE/TL-SG208PE)
- The plug on the power supply cord is used as the disconnect device, the socket-outlet shall be easily accessible. (For TL-SG205PE/TL-SG208PE)
- Plug the product into the wall outlets with earthing connection through the power supply cord. (For TL-SG205PE/TL-SG208PE)
- The PoE ports shall not be used to charge lithium batteries or devices supplied by lithium batteries. (For TL-SG205PE/TL-SG208PE)