

Installation Guide

Access 5-Port Gigabit Switch
with 1-Port PoE++ in and 4-Port PoE+ out

Images may differ from the actual product.
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LED Explanation

System

On/Off: System running abnormally
Flashing: System running normally

PoE MAX

On: The remaining PoE power is ≤ 7 W
Flashing: The remaining PoE power keeps ≤ 7 W for more than 2 minutes
Off: The remaining PoE power is > 7 W

Link/Act

On (Green): Connected to a 1000 Mbps device
On (Yellow): Connected to a 10/100 Mbps device
Flashing: Transmitting/receiving data
Off: No device is connected to the corresponding port.

PoE Status

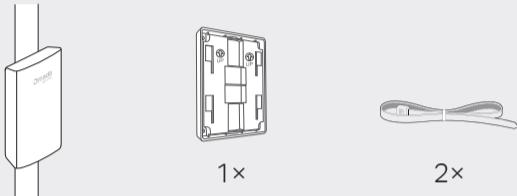
For Port 1-4
On: Providing PoE power
Flashing: Current-overload/Short-circuit/Connected to a non-standard PD/Power exceeded the user-defined value
Off: Not providing PoE Power
For Port 5*
On (Green): Powered by 802.3bt
On (Yellow): Powered by 802.3af/at
Off: Power off

*The LED will be on after port 5 is connected to a PoE Power Sourcing Equipment (PSE) for 2-3 seconds.

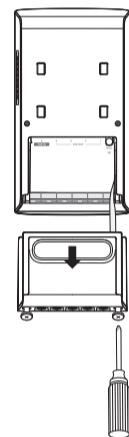
Mounting

Note: The switch can be pole-mounted or wall-mounted. The product can only be installed by instructed person or skilled person. Follow the steps below for the appropriate installation and make sure the switch is installed with its ports facing down.

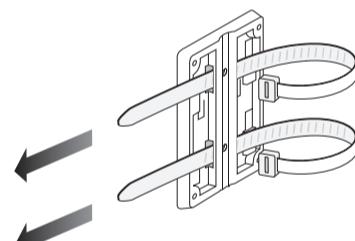
Option 1: Pole Mounting



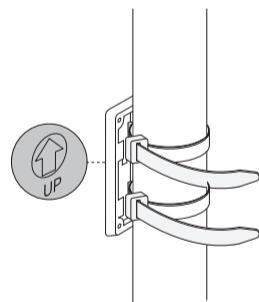
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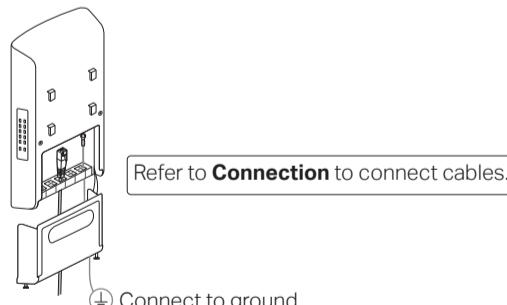
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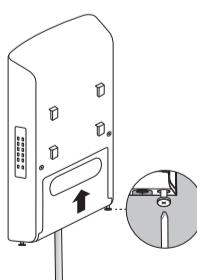
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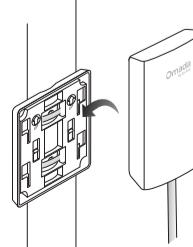
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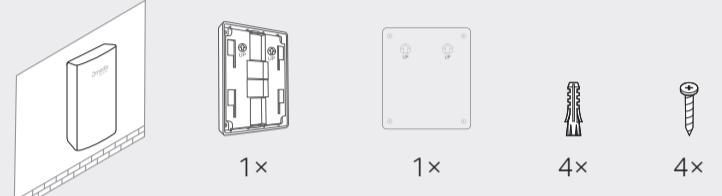
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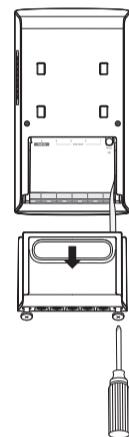
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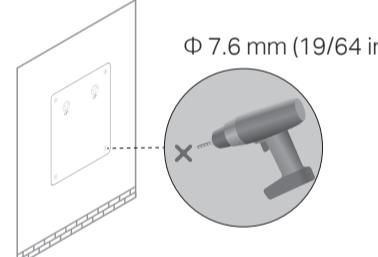
Option 2: Wall Mounting



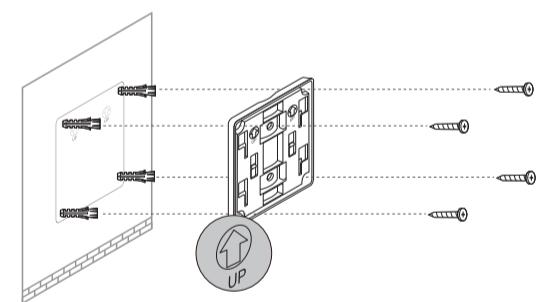
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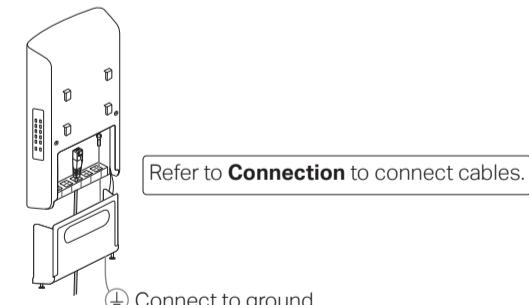
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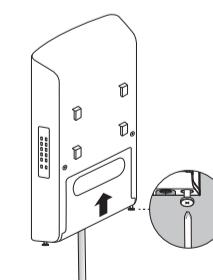
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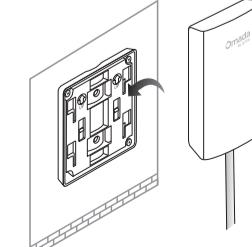
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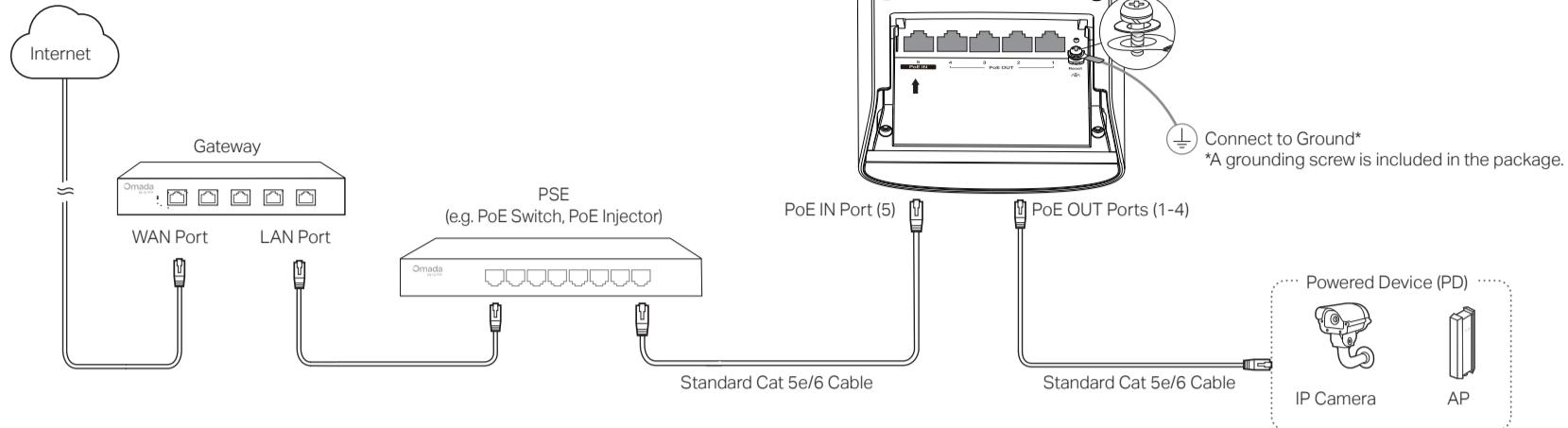
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6



Connection



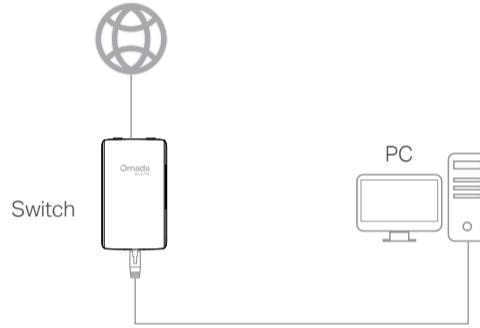
Note:

1. SG2005P-PD does not support DC or AC power input. A PSE device needs to be connected to the PoE IN port to provide power for SG2005P-PD.
2. The PoE OUT ports can also be connected to non-PoE devices, but only transmit data.
3. Maximum PoE power is 30 W for each PoE port, and 6 W/19 W/44 W/64 W PoE power budget for all PoE ports when powered by 802.3af (type 1)/802.3at (type 2)/802.3bt (type 3, 60 W)/802.3bt (type 4, 90 W) respectively.
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.
5. To ensure a weatherproof seal, use standard Cat 5e/6 cables. Cat 6A/7/8 cables are too thick and may cause damage.

Configuration

The switch supports two configuration methods:

- **Standalone Mode:** Configure and manage the device individually.

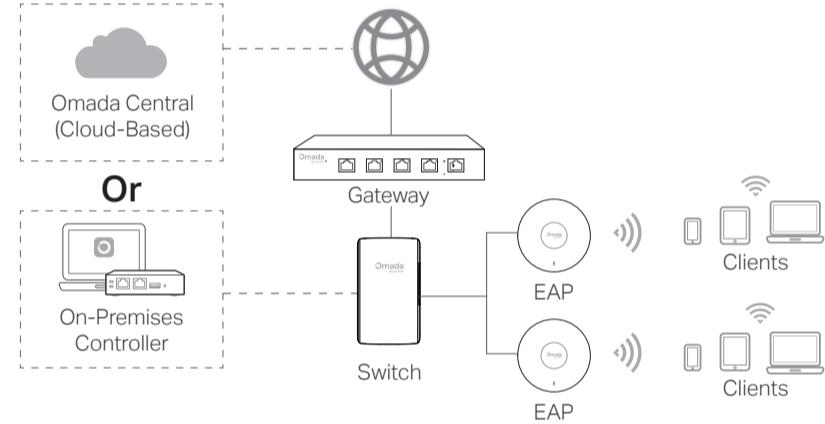


To set up a standalone Omada switch, scan the QR code or refer to <https://www.omadanetworks.com/support/faq/40971>.



Scan for Standalone Configuration Guide

- **Controller Mode:** Configure and manage the network devices centrally.



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/40961>.



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



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 Information

- Keep the device away from fire or hot environments. DO NOT immerse in water or any other liquid.
- Do not attempt to disassemble, repair, or modify the device. If you need service, please contact us.
- This product can be powered only by power supplies that comply with Power Source Class 2 (PS2) or Limited Power Source (LPS) of IEC 62368-1.
- This device can only be installed by instructed persons and skilled persons.
- 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/>

More Resources

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Documents	https://support.omadanetworks.com/document/
Product Support	https://support.omadanetworks.com/product/
Technical Support	https://support.omadanetworks.com/contact-support/

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.

