

Quick Installation Guide

Wireless Access Point



Setup Videos



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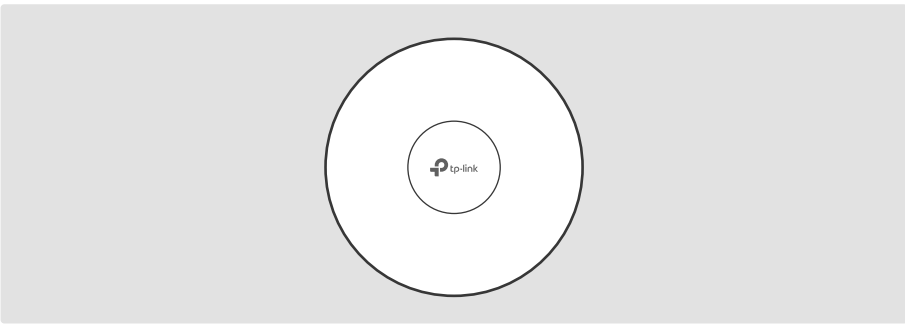


Business Community

Note: EAP650 is used as an example throughout the Guide. Images may differ from your actual product.
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1 Hardware Overview

Front Panel

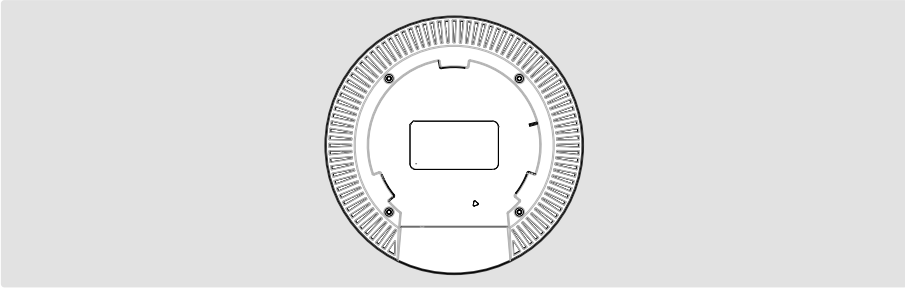


LED Indicator

- Blue On:** Working normally/Initializing. For EAPs with dual-color LED: Normal power supply
- Orange On:** For EAPs with dual-color LED: Low power supply
- Off:** Working abnormally/Power off/LED is turned off.
- Flash:**
- **Flash twice:** Initialization is completed.
 - **Flash quickly:** The EAP is resetting, or the Omada Controller is locating the device*.
 - **Flash once per second:** The EAP is upgrading.
 - **Sustained flash:** The EAP is in the isolated state.

* When the Locate feature is activated in the Omada Controller, the LED will flash quickly for 10 minutes to help you locate and identify the device. You can disable this feature manually to stop the device from flashing.

Rear Panel



RESET

With the device powered on, press and hold the button for about 5 seconds until the LED flashes quickly, then release the button. The device will restore to factory default settings.

Ethernet Port: ETH (PoE)

The port is used to connect to a gateway/router or a switch to transmit data, or to a PSE (Power Sourcing Equipment), such as a PoE switch, for both data transmission and Power over Ethernet (PoE) through Ethernet cable.

Notes:

1. For EAPs with 10Gbps port, if you use a Cat 5E cable, the 10Gbps link of the Ethernet port is less than 55m. To achieve a longer transmission distance, use a shielded Cat 6A cable.
2. For ultra-slim products with limited space for Ethernet ports, Cat 7 and Cat 8 network cables may be incompatible due to the lack of a standard buckle design.

Power Port

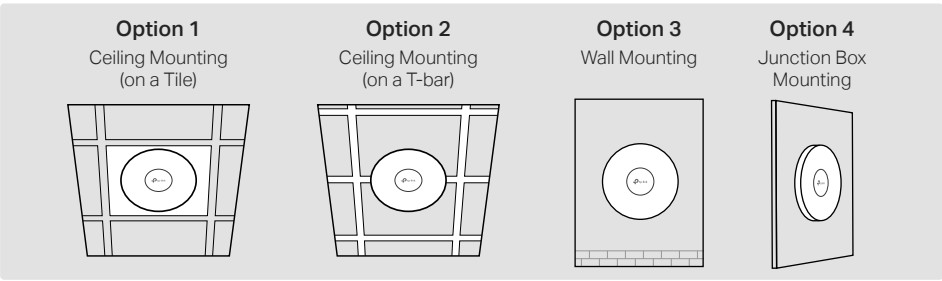
Plug one end of the power adapter to this port and the other end to a standard electrical wall outlet to power the EAP.

Note: Power adapter is not included in the package contents of certain models. For details, refer to the product specifications or datasheet. For power supply specifications, refer to the product label.

2 Hardware Installation

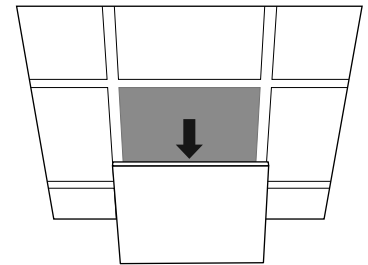
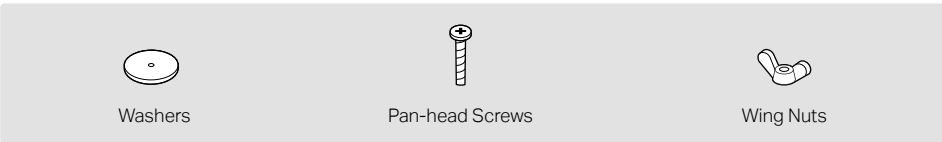
The EAP can be mounted to the ceiling, the wall, or in a junction box, using the accessories in the package. Choose a mounting option below.

Note: This product requires heat dissipation through the metal bracket during use. Please be careful not to touch the metal bracket in the heat dissipation.

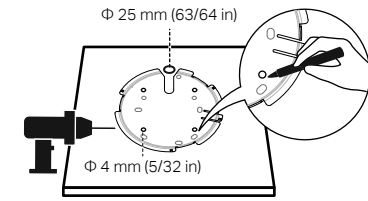


Option 1: Ceiling Mounting (on a Tile)

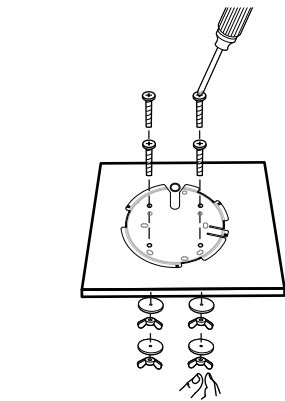
Note: Make sure that the ceiling tile is larger than the EAP.



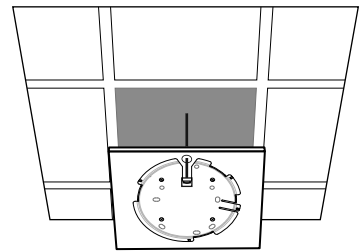
- 1 Remove a ceiling tile.



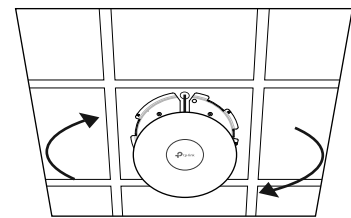
- 2 Place the mounting bracket in the center of the ceiling tile.
Mark positions for the screw holes and the Ethernet cable hole, then drill holes at the marked positions.



- 3 Secure the mounting bracket to the ceiling tile using pan-head screws, washers, and wing nuts.

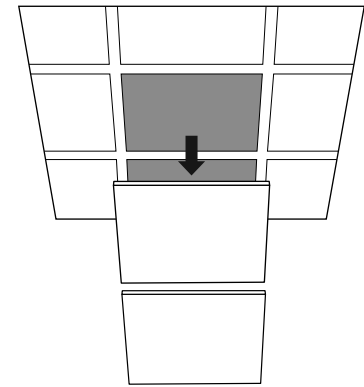
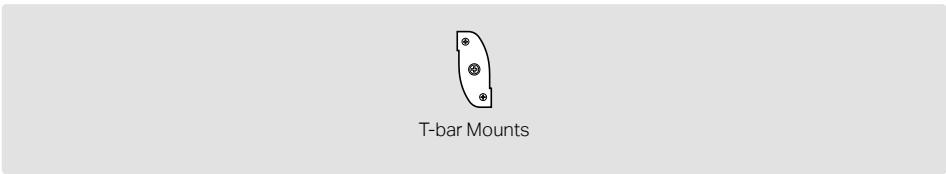


- 4 Feed the Ethernet cable through the hole and set the ceiling tile back into place.

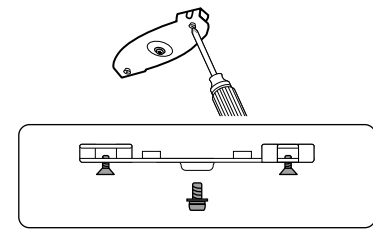


- 5 Connect the Ethernet cable to the Ethernet port on the EAP.
Attach the EAP to the mounting bracket, then rotate it until it locks into place.

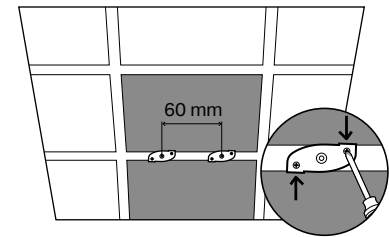
Option 2: Ceiling Mounting (on a T-bar)



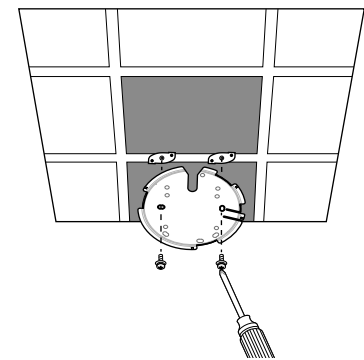
- 1 Remove the ceiling tiles next to a T-bar.



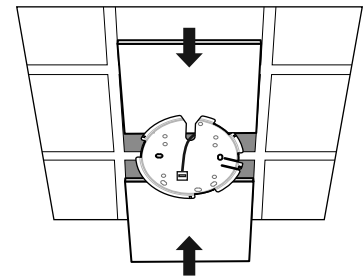
- 2 Detach the mounting screw and loosen the set screws of each T-bar mount.



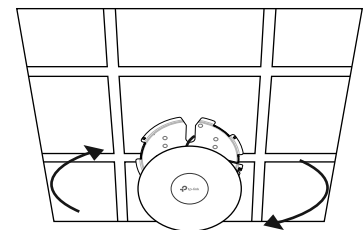
- 3 Place the T-bar mounts against the T-bar and turn clockwise.
Tighten the set screws.



- 4 Secure the mounting bracket to the T-bar mounts using the mounting screws.

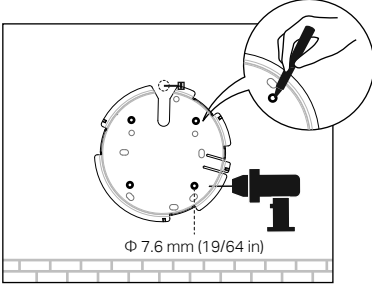
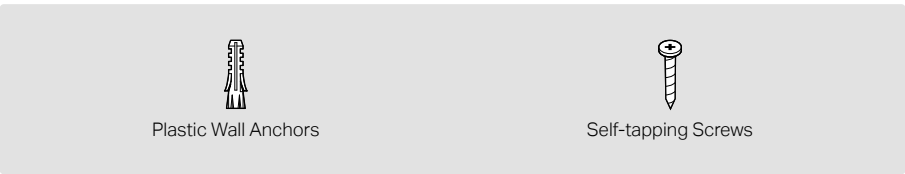


- 5 Route the Ethernet cable through the square cable hole on the mounting bracket.
Set the ceiling tiles back into place.

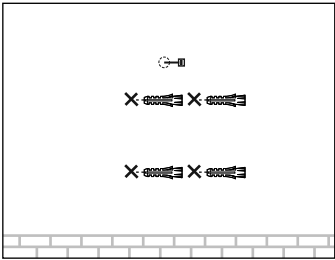


- 6 Connect the Ethernet cable to the Ethernet port on the EAP.
Attach the EAP to the mounting bracket, then rotate it until it locks into place.

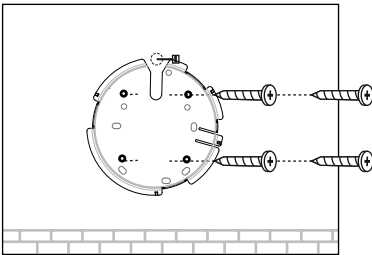
Option 3: Wall Mounting



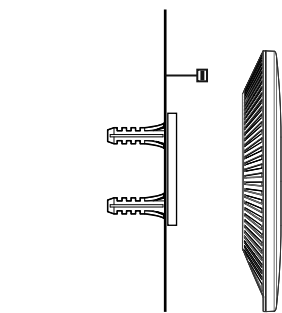
- 1 If your Ethernet cable feeds through the wall, position the mounting bracket below the cable hole.
Mark positions for the screw holes, then drill holes at the marked positions.



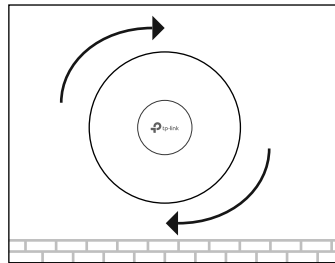
- 2 Insert the plastic wall anchors into the holes.



- 3 Secure the mounting bracket to the wall by driving the self-tapping screws into the anchors. Make sure that the shoulders of the mounting bracket are on the outside.



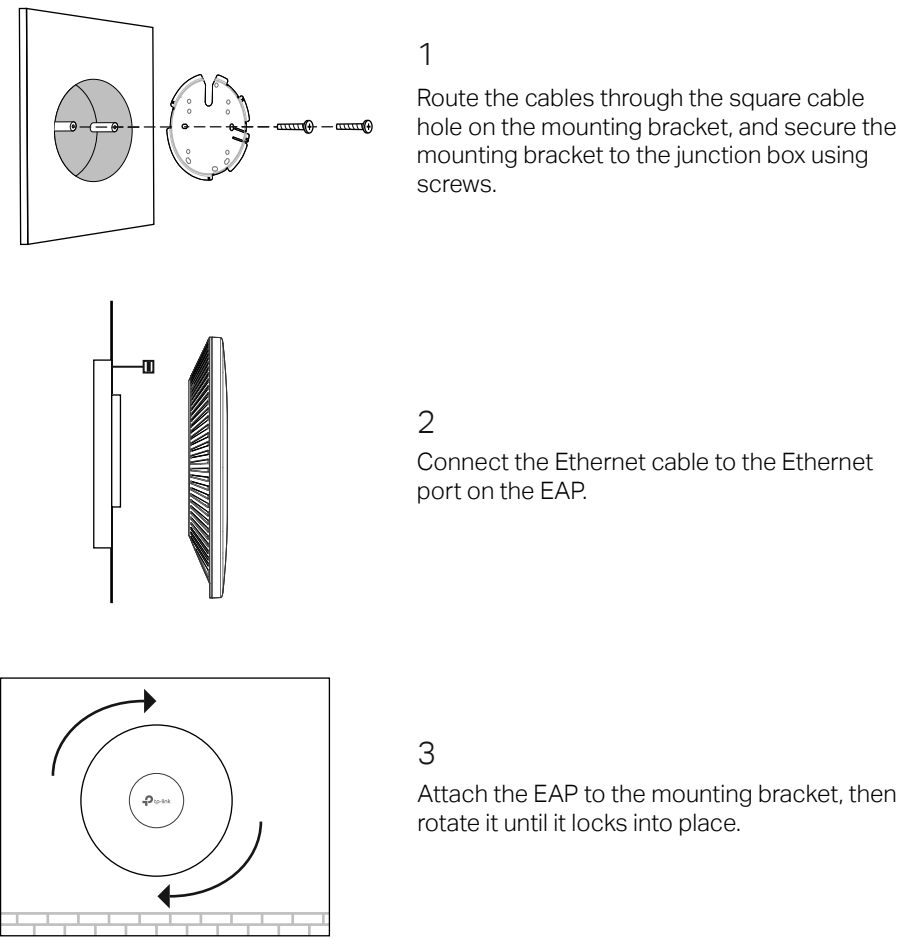
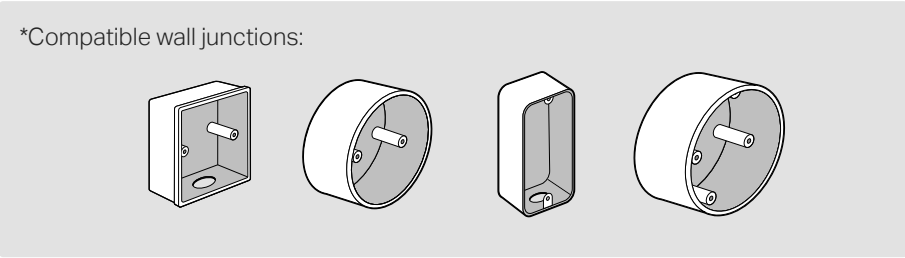
- 4 Connect the Ethernet cable to the Ethernet port on the EAP.



- 5 Attach the EAP to the mounting bracket, then rotate it until it locks into place.

Option 4: Junction Box Mounting

Prepare the cables and the junction box in advance. Ensure that the mounting holes align to your junction box.



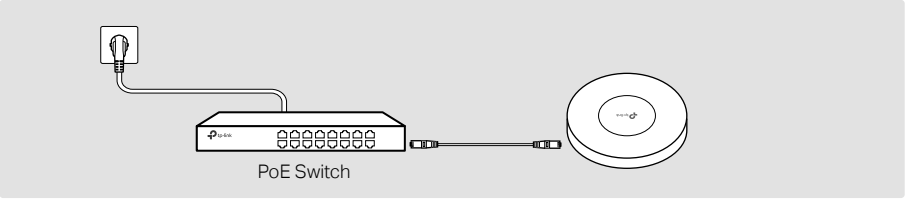
3 Power Supply

The EAP can only be powered via a power adapter or a PSE device (such as a PoE switch) which complies with Power Source Class 2 (PS2) or Limited Power Source (LPS) of IEC 62368-1.

Option 1: Via PoE Switch

Connect an Ethernet cable from the PoE switch to the Ethernet port.

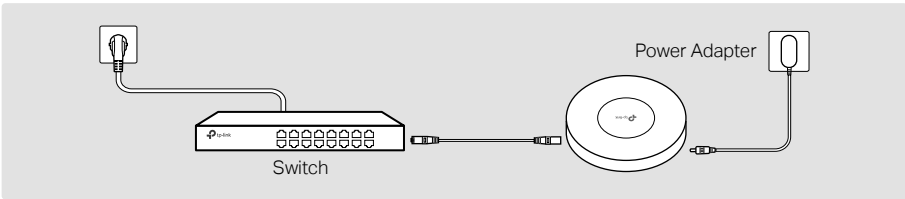
Note: For PoE power supply specifications, refer to the product label.



Option 2: Via Power Adapter

Plug one end of the power adapter into the power port of the EAP and the other end to a standard electrical wall outlet.

Note: Power adapter is not included in the package contents of certain models. For details, refer to the product specifications or datasheet. For power supply specifications, refer to the product label.



4 Software Configuration

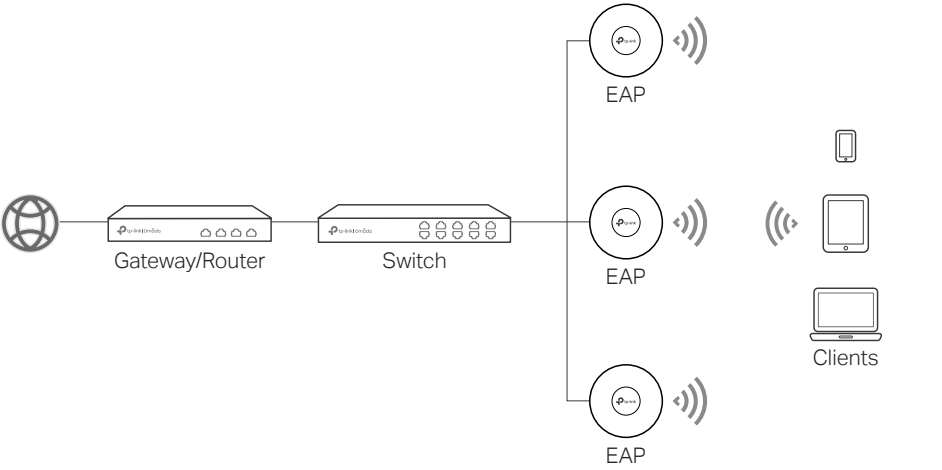
Choose a method to set up your EAPs:

- **Method 1: Standalone Mode**
Configure and manage EAPs separately (Convenient for a small network with only a few devices)
- **Method 2: Controller Mode**
Configure and manage EAPs in batches on a central platform, namely Omada Controller.

Method 1: Standalone Mode

If your network has only a few devices, you can configure and manage EAPs separately on their web pages.

Note: The EAP web page is inaccessible while the EAP is managed by a Controller.



- Notes:
- Before you start, be sure to power up and connect your devices according to the topology figure.
 - A DHCP server (typically a gateway/router with the DHCP function enabled) is required to assign IP addresses to the EAPs and clients in your local network.

Via Web Browser

1. Connect your device to the EAP by using the default SSIDs printed on the label of the product.
2. Launch a web browser and enter <https://tplinkeap.net> in the address bar. Use **admin** for both Username and Password to log in.



3. Set up a new Username and Password for secure management. Then you can configure the AP.

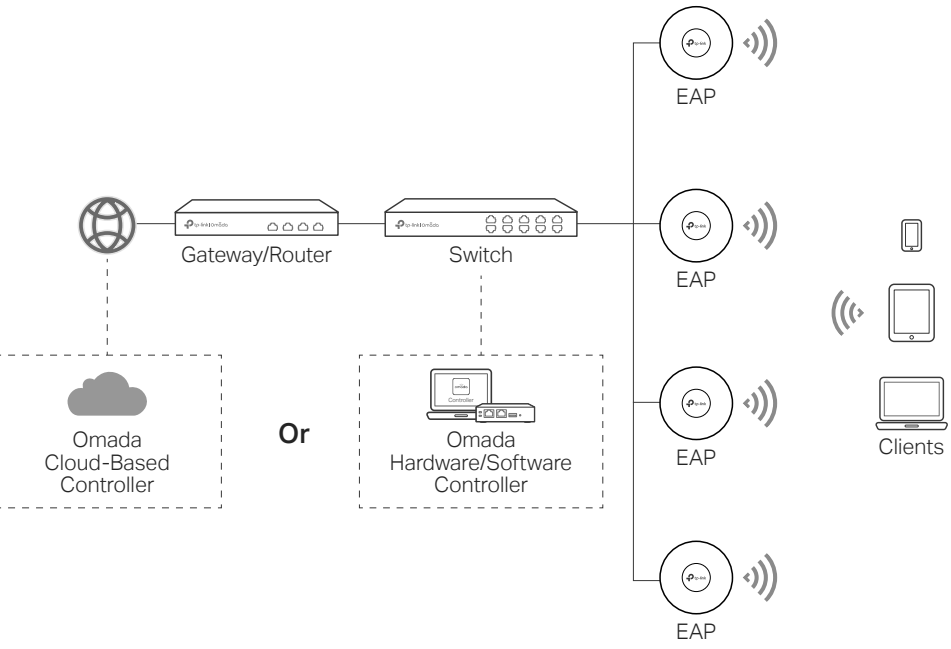
Via Omada App

1. Download and install the TP-Link Omada App from App Store or Google Play.
2. Connect your mobile device to the EAP by using the default SSIDs printed on the label of the product.
3. Launch the Omada App, go to the **Standalone Mode > EAPs** page, and wait for the EAP to appear. Tap on the EAP to configure it.

The Omada App is designed to help you quickly configure common settings. If you want to configure advanced settings, use the web page of your EAP.

Method 2: Controller Mode

Omada Controller integrates Omada gateways/routers, switches, access points, and more for centralized management.



- Notes:
- A DHCP server (typically a gateway/router with the DHCP function enabled) is required to assign IP addresses to the EAPs and clients in your local network.
 - The Omada Controller must have network access to your Omada devices (the gateways/routers, switches, and EAPs) in order to find, adopt, and manage them.

Via Web Browser

1. Get an Omada Controller ready.
 - **Option 1: Omada Hardware Controller**
Obtain a Hardware Controller and refer to its Installation Guide to set it up.
 - **Option 2: Omada Software Controller**
On a PC with Windows or Linux OS, download the Software Controller from <https://www.tp-link.com/support/download/omada-software-controller/>. Then run the file and follow the wizard to set up the Controller.
Note: To manage your devices, the Software Controller needs to keep running on your PC.
 - **Option 3: Omada Cloud-Based Controller**
Go to the Omada Portal (<https://omada.tplinkcloud.com>) and log in with your TP-Link ID. Then click + **Add Controller** to add a Cloud-Based Controller and set it up.
2. Launch the Controller, access your site, and go to the **Devices** page.
3. Now you can adopt and manage the EAPs.

Tip:
For the Omada Hardware/Software Controller, you are recommended to enable Cloud Access and bind it to your TP-Link ID. This enables you to remotely access and manage the Controller and Omada devices via Omada Portal (<https://omada.tplinkcloud.com>).

For detailed configurations, refer to the User Guide of the Controller at our official website: <https://www.tp-link.com/support/download/?type=smb>

Via Omada App

1. Download and install the TP-Link Omada App from App Store or Google Play.
-

2. Add the Controller with local access or cloud access.
 - **Local Access**
Note: Local access applies to the Hardware Controller and Software Controller only.
 - a. Connect your mobile device to the EAP by using the default SSIDs printed on the label of the product.
 - b. Launch the Omada App and go to **Controller - Local Access**. Tap the + button on the upper-right corner to add the Controller.
 - **Cloud Access**
 - a. Launch the Omada App and go to **Controller - Cloud Access**.
 - b. Log in with your TP-Link ID. A list of Controllers that have been bound with your TP-Link ID will appear.
3. Launch the Controller, access your site, and go to the **Devices** page.
4. Now you can adopt and manage the EAPs.
The Omada App is designed to help you quickly configure common settings. If you want to configure advanced settings, use the web page of your Controller.



- 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 the device where wireless devices are not allowed.
 - 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.

EU Declaration of Conformity
For EAPs with adapters:
TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/EU, 2009/125/EC, 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/>
For EAPs without adapters:
TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/53/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 device is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Regulations 2017.
The original UK Declaration of Conformity may be found at <https://www.tp-link.com/support/ukca/>

For detailed configurations, refer to the user guides of the Controller and EAPs. The guides can be found on the Download Center of our official website: <https://www.tp-link.com/support/download/?type=smb>.

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

