Quick Installation Guide

Indoor/Outdoor Access Point

1 Hardware Overview

Package Contents


EAP

Antennas


Installation Guide

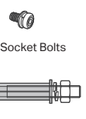

Screw
(for securing the grounding wire)

Mounting Kit


EAP Bracket


Mounting Bracket


Hose Clamps


Hex Socket Bolts
Expansion Bolts


L-shaped Hex Screwdriver

Cable Waterproof Kit


Spiral Cover


Seals for
Shielded / Unshielded Cables


Seals for
Single / Dual SFP Cables

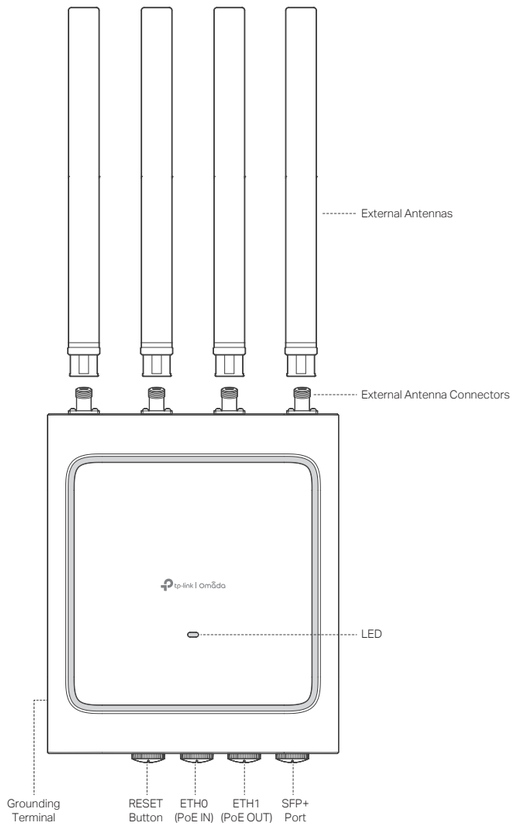

Bracket


O-Ring

Note: This guide uses EAP668-Outdoor HD for demonstration. Images may differ from your actual product.

Note: Accessories may vary by product.

Panel Layout



SYS LED Explanation

LED Status	Indication
Flash twice	Initialization is complete.
Solid green	The device is initializing or working properly.
Orange	Power supply is insufficient.
Off	System errors. RAM, Flash, Ethernet, WLAN, or firmware may be malfunctioning.
Slow flash	Firmware update is in progress. Do not disconnect or power off the device.
Quick flash	The device is being located or being reset to its factory settings.
Sustained on with brief off	The device is in isolated state.

Buttons and Interfaces

Item	Description
RESET Button	With the EAP powered on, press and hold the button for about 5 seconds until the LED flashes, then release the button. The EAP will restore its factory settings.
ETH0 (PoE IN) Port	Connect to a PSE (Power Sourcing Equipment), such as a PoE switch, for both data transmission and Power over Ethernet (PoE) through Ethernet cable.
ETH1 (PoE OUT) Port	Connect to a client device to transmit data and supply power (PoE Passthrough)*.
SFP+ Port	Connect to an SFP module to transmit optical signals.
Grounding Terminal	Connect to grounding facilities for lightning and ESD protection.
External Antenna Connectors	Connect to external antennas if needed.

* The device can supply PoE output power only when it is receiving 802.3bt PoE input power.

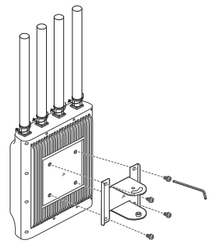
2 Mounting

Option 1: Pole Mounting

Step 1:

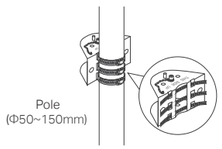
Install the antennas.

Secure the EAP bracket to the back of the EAP with the provided hex socket bolts.



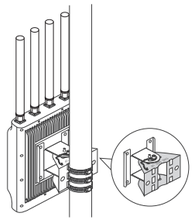
Step 2:

Secure the mounting bracket to the pole with the provided hose clamps.



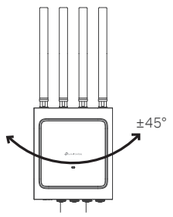
Step 3:

Remove the bolt in the middle of the mounting bracket, connect the EAP bracket to the mounting bracket, then screw the bolt back.



Step 4:

Rotate the EAP horizontally to adjust its orientation.



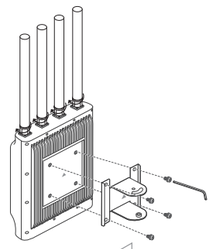
Tips:
1. The included mounting kit supports horizontal rotation of ±45°.
2. For additional rotation options, mount accessories for the access point are available separately and can be purchased as needed.

Option 2: Wall Mounting

Step 1:

Install the antennas.

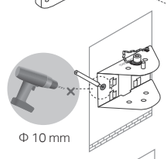
Secure the EAP bracket to the back of the EAP with the provided hex socket bolts.



Step 2:

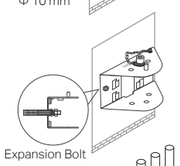
Place the mounting bracket in the correct position. Mark positions for the bolt holes .

Drill holes at the marked positions.



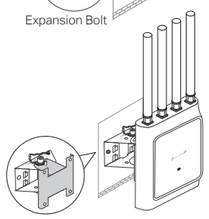
Step 3:

Secure the mounting bracket to the wall with the provided expansion bolts.



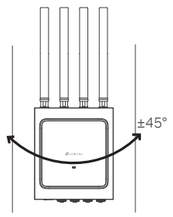
Step 4:

Remove the bolt in the middle of the mounting bracket, connect the EAP bracket to the mounting bracket, then screw the bolt back.



Step 5:

Rotate the EAP horizontally to adjust its orientation.



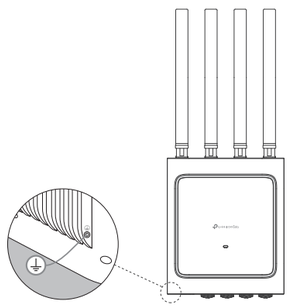
Tips:
1. The included mounting kit supports horizontal rotation of ±45°.
2. For additional rotation options, mount accessories for the access point are available separately and can be purchased as needed.

3 Lightning and ESD Protection

Proper grounding is extremely important for outdoor devices.

To reduce the damage of potential lightning and ESD attacks, connect the EAP's grounding terminal to grounding facilities using a proper grounding wire, which should meet local installation requirements. Secure the grounding wire to the grounding terminal with the provided screw.

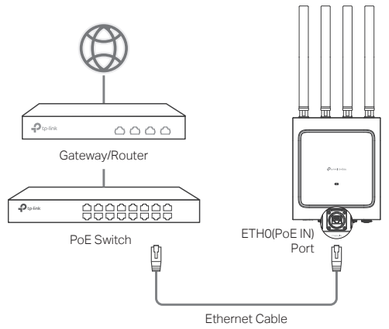
⚠
1. Connect the protective earthing terminal to the installation's protective earthing conductor before powering on the device.
2. The product must be installed by a qualified professional.
3. The grounding connection should be in accordance with the requirements of local electrical code.
4. The required size of the grounding wire should be at least 18AWG.
5. The grounding conductor in contact with the protective earthing terminal should be copper tinned.



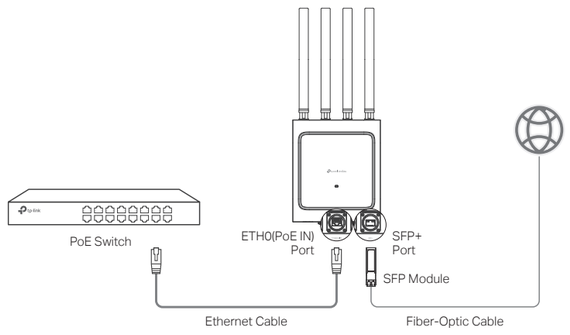
4 Hardware Connection

The EAP can connect to the internet via an Ethernet and/or fiber network. You can choose the connection method according to your needs.

Option 1: Connect via Ethernet



Option 2: Connect via Fiber Network

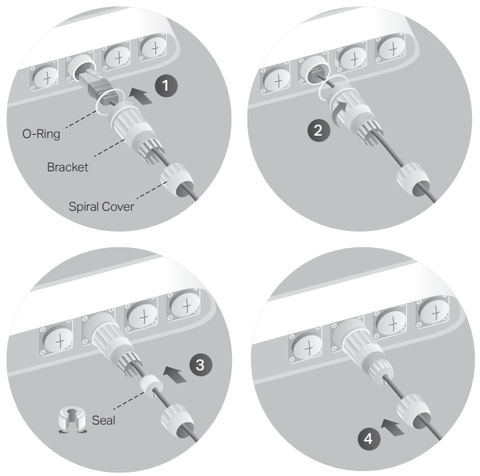


5 Waterproof

Connect the cable to the corresponding port with the provided waterproof kit.

Note: The example below shows how to connect an Ethernet cable. If you also use the fiber-optic cable, you can connect it in a similar manner except for the type of seal.

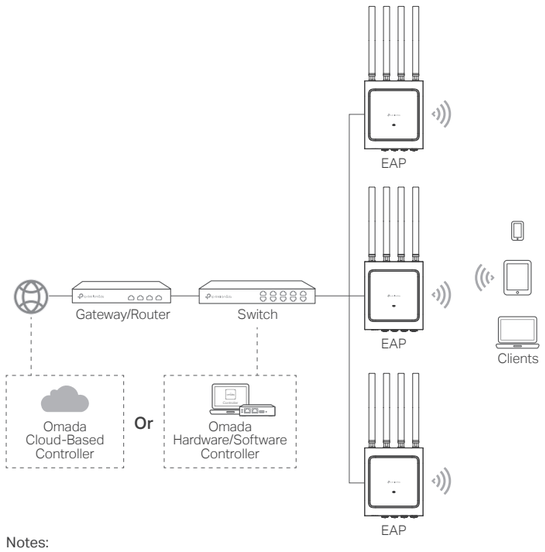
⚠ To maintain proper waterproofing, select the correct seal based on the actual cable type and outer diameter.



1. Remove the waterproof cap from the port. Fit the cable through the **Spiral Cover**, **Bracket**, and **O-Ring**, and connect the cable to the port.
2. Fit the **O-Ring** to the head of the **Bracket** and screw the **Bracket** to the body of the device.
   Note: Don't wrap the **O-Ring**.
3. Fit the cable through the **Seal**'s slit with the **thinner** side towards the **Bracket**, and plug the seal to the **Bracket**.
4. Screw the **Spiral Cover** to the **Bracket**.

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.

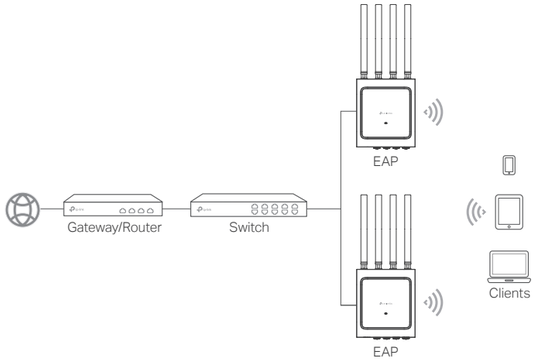
6 Software Configuration

Choose a method to set up your EAPs:

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

Method 1: Standalone Mode

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



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. 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 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 allows you to remotely access and manage the Controller and Omada devices through the Omada Portal (**https://omada.tplinkcloud.com**) and Omada App.

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 the App Store or Google Play.
   Download on the App Store / GET IT ON Google Play or Scan for Omada → Omada
2. Add the Controller via local access or cloud access.
   - **Option 1: Local Access**
     Note: Local access applies to the On-Premises Hardware/Software Controller.
     a. Connect your mobile device to the EAP by using the default SSIDs printed on the product.
     b. Launch the Omada App and go to the **Controller Mode** page. Tap the + button in the upper-right corner to add your On-Premises Controller.
   - **Option 2: Cloud Access**
     a. Launch the Omada App and log in with your TP-Link ID.
     b. Go to the **Controller Mode** page. 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.

Via Web Browser

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

1. Connect your device to the EAP by using the default SSIDs printed on 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.
   https://tplinkeap.net
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 the App Store or Google Play.
   Download on the App Store / GET IT ON Google Play or Scan for Omada → Omada
2. Connect your mobile device to the EAP by using the default SSIDs printed on the product.
3. Launch the Omada App, go to the **Standalone Mode** 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.

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.
- Do not use the device where wireless devices are not allowed.
- The PoE ports shall not be used to charge lithium batteries or devices supplied by lithium batteries.
- This equipment can be powered only by equipments that comply with Power Source Class 2 (PS2) or Limited Power Source (LPS) defined in the standard of IEC 62368-1.

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/**.

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/**

Attention: In EU member states, EFTA countries and Northern Ireland, the operation in the frequency range 5150MHz-5350MHz is only permitted indoors.

Attention: In Great Britain, the operation in the frequency range 5150MHz - 5350MHz is only permitted indoors.

For EAP Controller, go to the **Devices** page and select the desired EAP to specify the channel.

For web browser, go to **Wireless > Wireless Settings** to specify the channel.

	AT	BE	BG	CH	CY	CZ	DE	DK
	EE	EL	ES	FI	FR	HR	HU	IE
	IS	IT	LI	LT	LU	LV	MT	NL
	NO	PL	PT	RO	SE	SI	SK	UK(NI)

	UK

For detailed configurations, refer to the user guides of the controller and EAPs. The guides can be found in the download center of our official website: **https://www.tp-link.com/support/download/?type=smb**

To ask questions, find answers, and communicate with TP-Link users or engineers, please visit **https://community.tp-link.com/business** to join the TP-Link Community.

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