tp-link

Omada

EAP110-Outdoor

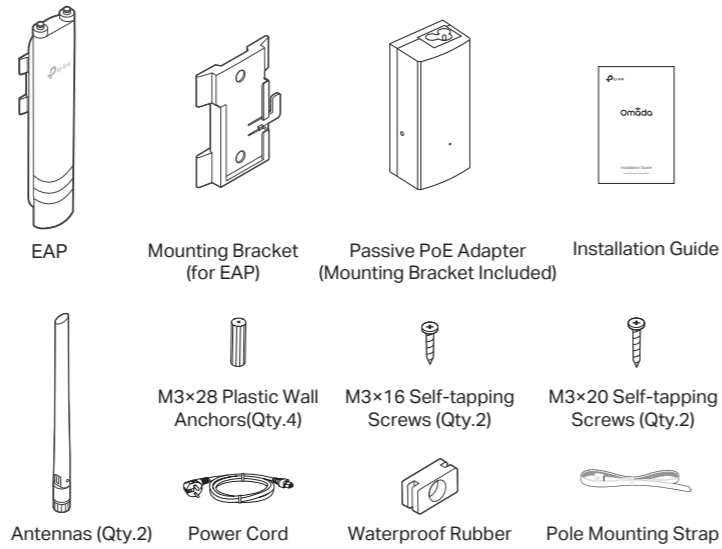EAP225-Outdoor

Installation Guide

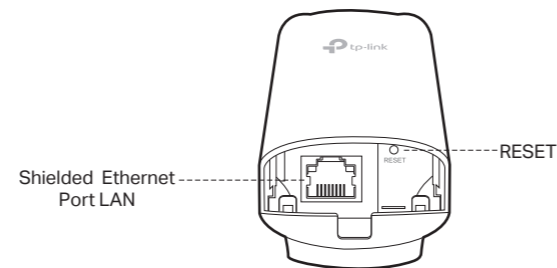Indoor/Outdoor Access Point

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1 Overview

Package Contents

|			
EAP	Mounting Bracket (for EAP)	Passive PoE Adapter (Mounting Bracket Included)	Installation Guide

M3×28 Plastic Wall Anchors(Qty.4)	M3×16 Self-tapping Screws (Qty.2)	M3×20 Self-tapping Screws (Qty.2)

Antennas (Qty.2)	Power Cord	Waterproof Rubber Insert	Pole Mounting Strap

Panel Layout

Shielded Ethernet Port LAN

RESET

SYS LED Explanation

LED Status	Indication
Flashes green twice	Initialization is completed.
Solid green	The device is initializing or working properly.
Flashing red	System errors. RAM, Flash, Ethernet, WLAN or firmware may be malfunctioning.
Flashing yellow	Firmware update is in progress. Do not disconnect or power off the device.
Double flashing red, green then yellow	The device is being reset to its factory default settings.
Flashes green every 5 seconds (Only for EAP225-Outdoor)	The device is in an isolated state.

Passive PoE Adapter
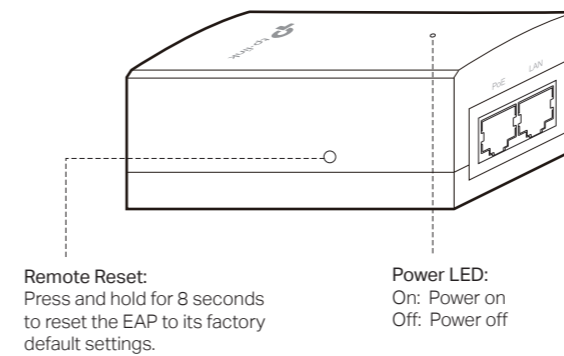
Remote Reset:
Press and hold for 8 seconds to reset the EAP to its factory default settings.

Power LED:
On: Power on
Off: Power off

Note: EAP225-Outdoor does not support the Remote Reset feature.

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2 Lightning and ESD Protection

Before mounting EAP, you should consider Lightning and ESD Protection to ensure safety.

Proper grounding is extremely important for outdoor devices. By using a shielded CAT5e (or above) cable for connection, you can reduce the damage of ESD attacks.

EAP

Shielded CAT5e (or above) Cable

Grounded 3-wire Power Outlet

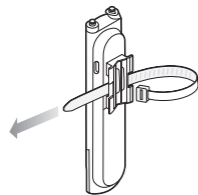Grounded PoE Adapter

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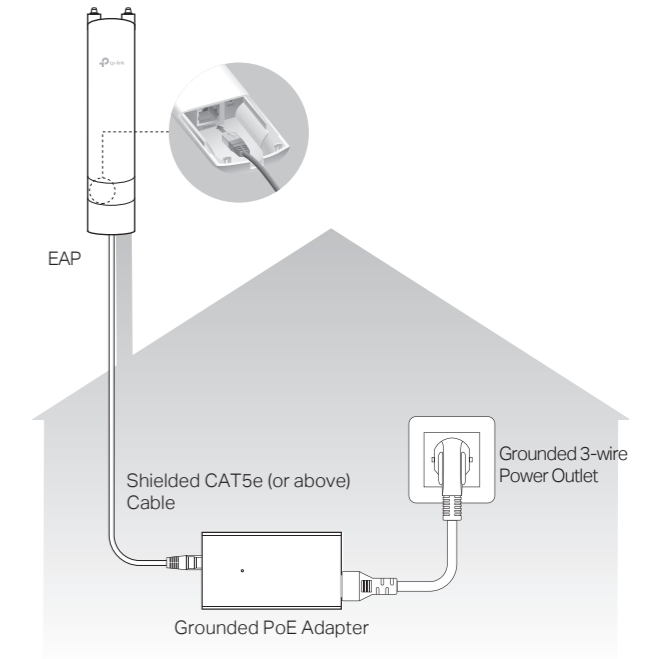
3 Hardware Installation

Mount EAP

- The EAP can be pole-mounted or wall-mounted when working independently.
- The EAP can be mounted on an external antenna when working with an external antenna.
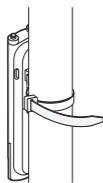
Option 1: Pole Mounting

Step 1:
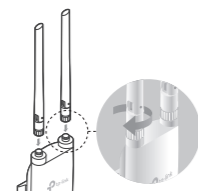Lead the end of the pole mounting strap through the back of the EAP.

Step 2:
Position the EAP and wrap the pole mounting strap around the pole. Feed the end through the screw-block and tighten the strap until the EAP is secure.
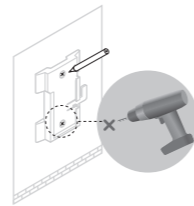
Step 3:
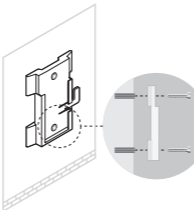Connect the antennas to the EAP.

Option 2: Wall Mounting

Step 1:
Place the mounting bracket (for EAP) in the right position. Mark two positions for the screw holes .
Drill two 6mm holes for the screws at the marked positions.

Step 2:
Insert the plastic wall anchors into the 6mm holes. Align the bracket (for EAP) to the plastic wall anchors and drive the self-tapping screws into the anchors through the bracket (for EAP).
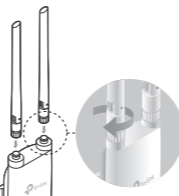
Step 3:
Align the mounting tabs on the back of the EAP with the slot of the mounting bracket (for EAP). Push and slide the EAP downward until it locks into place.
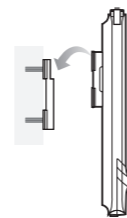
Step 4:
Connect the antennas to the EAP.

Option 3: Mounting the EAP on an Antenna

Note: Sector antenna is used as a demonstration below.

Step1:
Align the mounting tabs on the back of the EAP with the slot of the mounting bracket (for EAP). Push and slide the EAP downward until it locks into place.

Step2:
Align the mounting tabs on the mounting bracket (for EAP) with the four slots of the mounting bracket on the antenna. Push and slide the EAP downward until it locks into place.

Step3:
Connect the RF cables from the EAP to the corresponding connectors on the antenna.

Step4:
Attach the protective cap. Push and slide the protective cap down over the EAP until it firmly locks into place.
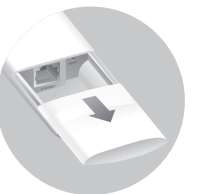

- Sector or omni antennas need to be purchased additonally.
- TL-ANT2415MS/TL-ANT5819MS/TL-ANT2410MO are available for the EAP.
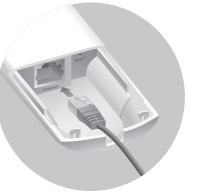

Connect Cables

Step 1:
Firmly grasp the rear of the interface cover and pull it downward.

Step 2:
Use an adequate Ethernet cable to connect the LAN port. The length of cable is up to 100m for steady power supply. Shielded CAT5e (or above) cable is recommended.
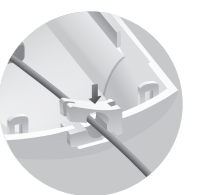
Step 3:
Attach the waterproof rubber insert to the groove at the underside of the device for waterproofing. Move the Ethernet cable to the hole of the waterproof rubber insert.
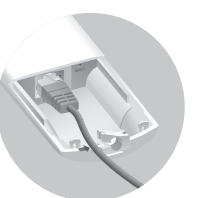
Step 4:
Flatten the waterproof rubber insert until it gets parallel to the device. Replace the cover until it firmly locks into place.
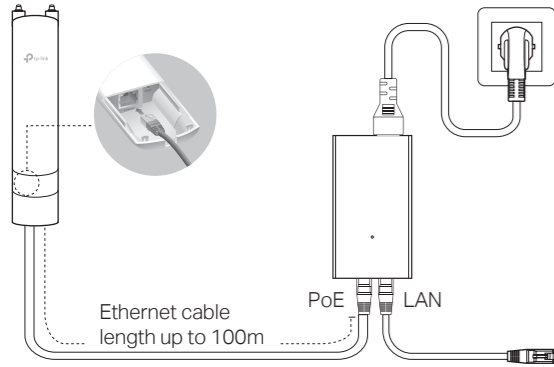
Power On

The EAP can be powered via the provided passive PoE adapter or a PSE device (such as a PoE switch).

Via Passive PoE Adapter

Connecting the PoE Adapter

Connect the EAP to a Power over Ethernet (PoE) adapter as follows:

Ethernet cable length up to 100m

PoE   LAN

Mounting the PoE Adapter (Optional)

Note: To ensure the passive PoE adapter is attached most securely, it is recommended to install the adapter with the Ethernet port facing upward.

Step 1:
Remove the mounting bracket from the passive PoE Adapter. Drill two holes on the wall and insert the plastic wall anchors into the the holes. Secure the mounting bracket to the wall. Make sure the shoulders at the corners of the mounting bracket are on the outside and pointing upward.
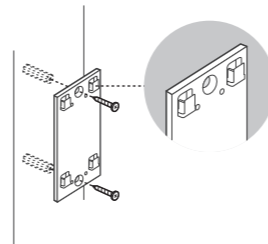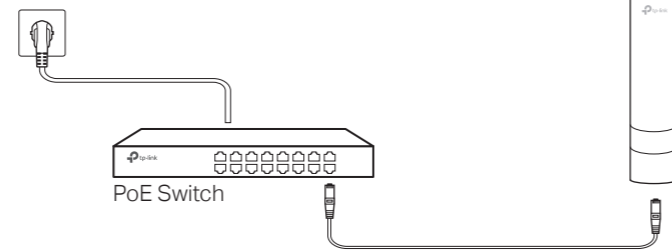
Step 2:
Attach the passive PoE adapter to the mounting bracket (for PoE Adapter) by sliding the adapter in the direction of the arrows until it locks into place.
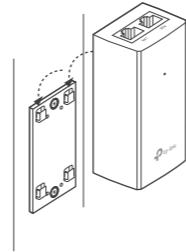
Via PoE Switch (only for EAP225-Outdoor)

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


PoE Switch

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4 Software Configuration

A DHCP server (typically a router) with DHCP function enabled is required to assign IP addresses to the EAPs and clients in your local network.

The EAP supports two configuring options:

- To configure and manage EAPs singly (usually suitable for a small network with a few EAPs), standalone mode is recommended. Please refer to Option 1.

- To configure and manage EAPs in batch, controller mode is recommended. Please refer to Option 2.

Option1: Standalone Mode
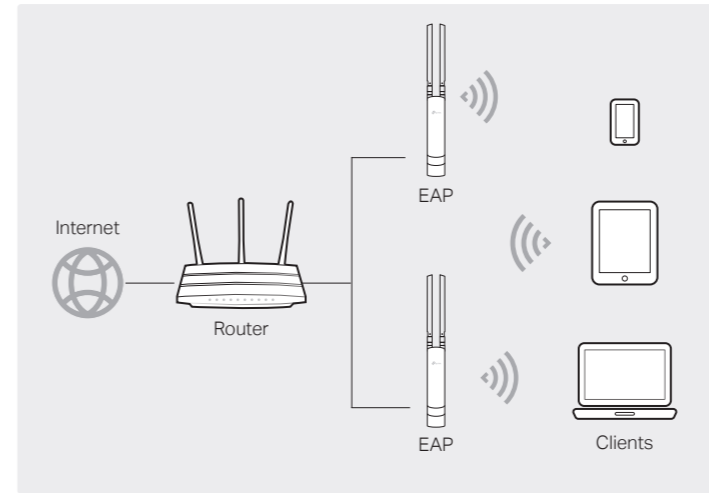
* Omada App

With Omada app, you can also manage your Omada Controller at local site and remote site. Note that Omada software Controller needs to be kept running when using Omada app.

1. Download the TP-Link Omada app on your mobile device. It can be downloaded from Apple Store or Google Play:

Scan for Omada App   Download Omada App

2. Launch your app and configure the controller at local site or remote site.

- Local Management
  a. Connect your mobile device to the EAP by using the default SSID (format: TP-Link_2.4GHz/5GHz_XXXXXX) printed on the label.
  b. Launch the app and go to **Local Access**, tap the **+** button on the upper-right corner to add the Omada controller. Then you can further configure the controller.

- Remote Management
  a. Make sure Cloud Access is enabled on your controller and your controller has been bound with a TP-Link ID.
  b. Launch the app and log in with your TP-Link ID. Then go to **Cloud Access**. A list of Omada Controller that has been bound with your TP-Link ID will appear. Then you can further configure the controller.

Option2: Controller Mode

Controller mode is applicable to configuration for mass EAPs. All EAPs can be centrally configured and monitored via an Omada Software Controller or an Omada Cloud Controller (OC200).

OC200   Omada Software Controller running on the Management PC

Clients
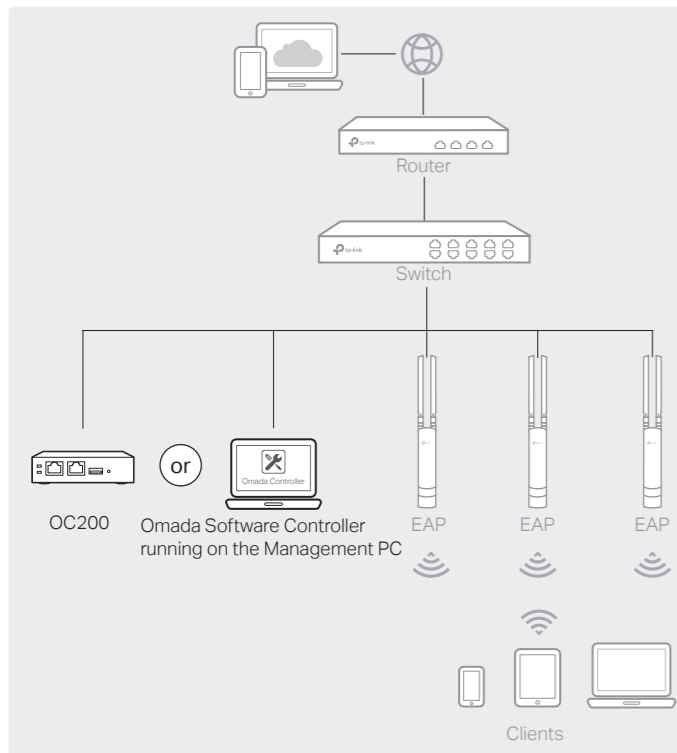
Via Software Controller

1. On the PC with Windows OS or Linux OS, download the Omada Controller installation file from https://www.tp-link.com/download/EAP-Controller.html.

2. Run the file and follow the wizard to install the Omada Controller.

3. Launch the Omada Controller and follow the step-by-step instructions to complete the Quick Setup. After the wizard is finished, a login screen will appear.

4. Enter the username and password you created and click **Log in**. Then you can further configure the Omada Controller.

   #### Omada Cloud Service

   After installing Omada Controller, you can remotely configure the controller through cloud service when your management device can access the internet. Follow the steps below.

   1. Enable Cloud Access on the setting page on the controller and bind a TP-Link ID to your controller. If you have configured this in the setup wizard, skip the step.

   2. Launch a web browser and enter https://omada.tplinkcloud.com in the address bar.

   3. Enter your TP-Link ID and password to log in. A list of Omada Controller that has been bound with your TP-Link ID will appear. Then you can click **Launch** further configure the controller.

Via Omada App

1. Download the TP-Link Omada app on your mobile device. It can be downloaded from Apple Store or Google Play:

Scan for Omada App   Download Omada App

2. Connect your mobile device to the EAP by using the default SSID (format: TP-Link_2.4GHz/5GHz_XXXXXX) printed on the label.

3. Open the Omada app, and wait for the EAP device to appear on the **Standalone APs** page. Tap on the EAP device you want to configure.

The Omada app is designed to help you quickly configure the common settings. If you want to configure more settings, you can log in to the web page of your EAP or the controller.

Via a Web Browser

1. Connect wirelessly by using the default SSID (format: TP-Link_2.4GHz/5GHz_XXXXXX) printed on the label.

2. Launch a web browser and enter http://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 purpose. Modify the wireless parameters and reconnect your wireless devices to the new wireless network.

To configure other EAPs, connect your device to the EAP by the coresponding default SSID and repeat the steps listed above. You can configure some basic functions in Standalone mode. If you want to configure advanced functions, please use Controller mode.

Via OC200

Omada Softeware Controller is pre-installed on Omada Cloud Controller (OC200). OC200 needs to be purchased additionally. To configure EAPs via OC200, the steps above can be skipped. Please refer to the Installation Guide of OC200.

For technical support, User Guide and other information, please visit http://www.tp-link.com/support, or simply scan the QR code.