

tp-link Omada EAP215-Bridge Wireless Bridge Access Point Installation Guide

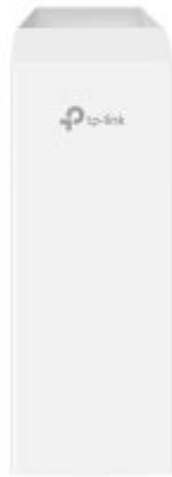
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tp-link Omada EAP215-Bridge Wireless Bridge Access Point Installation Guide



Setup Videos



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Note: Images may differ from your actual product.

1 Overview

Package Contents

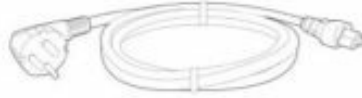
We offer single-pack and KIT products. You can purchase according to actual needs. The KIT product will contain two sets of accessories and one Installation Guide.



AP



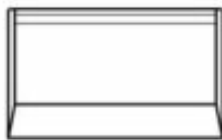
Pole Mounting Strap



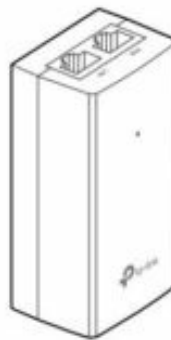
Power Cord



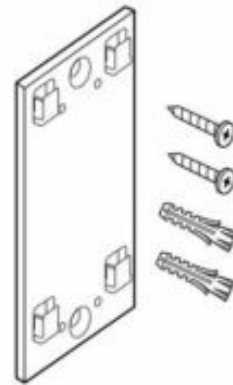
Installation Guide



AP Cover



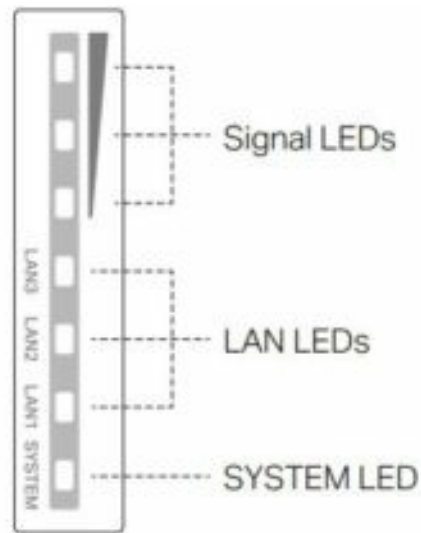
Passive PoE Adapter



Mounting Kits
(for Adapter)

Note: Accessories may vary by product.

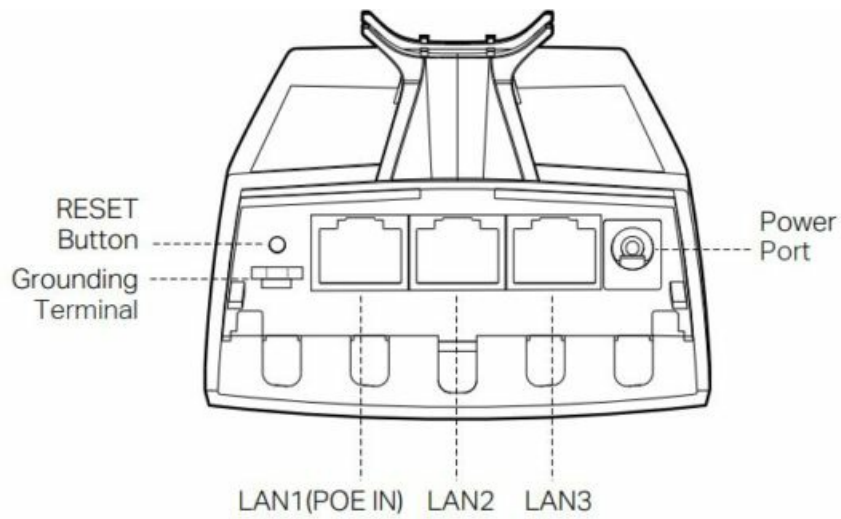
• LED Explanation



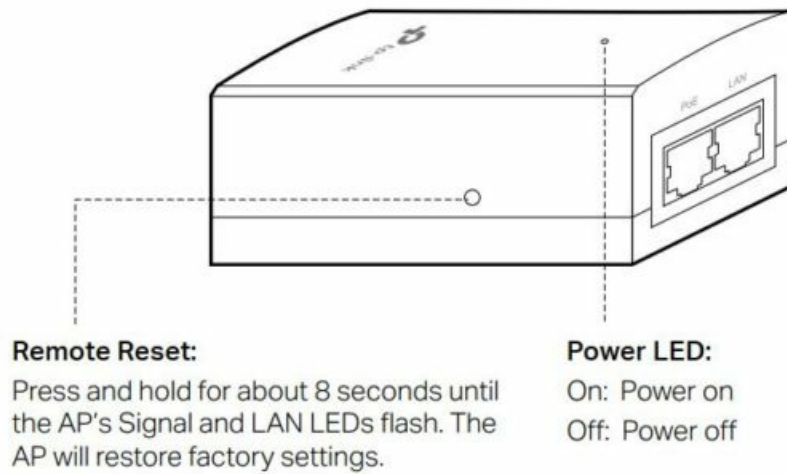
LED	Indication
Signal LEDs	Work as Main AP: All LEDs remain solid on. Work as Client AP: More lit LEDs indicates better wireless signal strength.
LAN LEDs	On: The port is connected, but not active. Flash: The port is connected and active. Off: The port is not connected.
SYSTEM LED	On: Working normally/Initializing Off: Working abnormally/Power off/LED is turned off. Flash: <ul style="list-style-type: none"> Flash twice: Initialization is completed. Flash quickly: The AP is resetting, or the Omada Controller is locating the device*. Flash once per second: The AP is upgrading. Sustained Flash: The AP is in the isolated state.

* When the Locate feature is activated in the Omada Controller, the AP's SYSTEM 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.

• Panel Layout



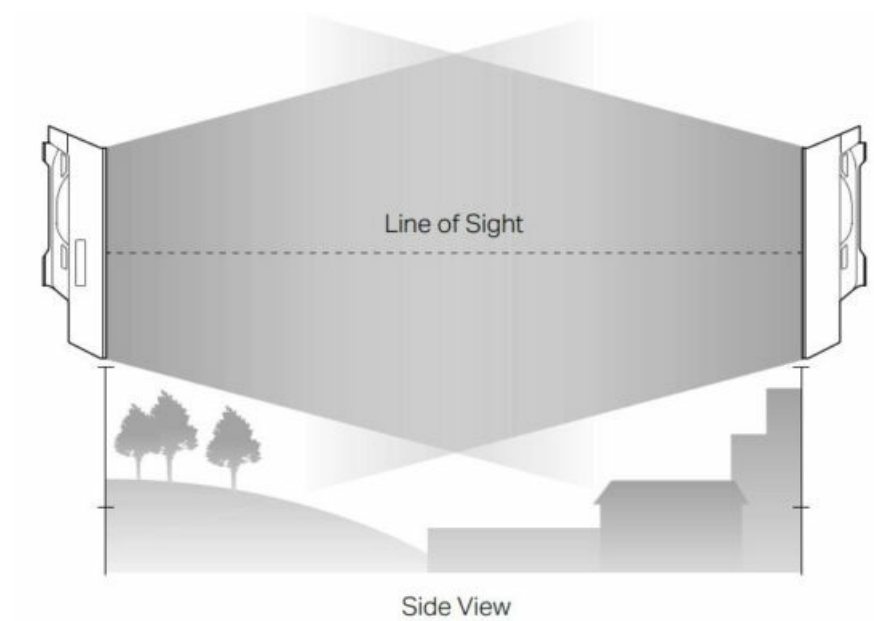
• Passive PoE Adapter



2. Site Consideration

• Mounting Height

Ensure a clear line of sight between the wireless devices for an optimum performance. An elevated location is recommended as obstacles like trees, buildings and large steel structures will weaken the wireless signal.



- **Orientation**

Install the APs with the front facing the intended signal receiving devices.

You can orient the APs with the assistance of Google Maps, GPS and some landmarks according to the horizontal beamwidth listed below.

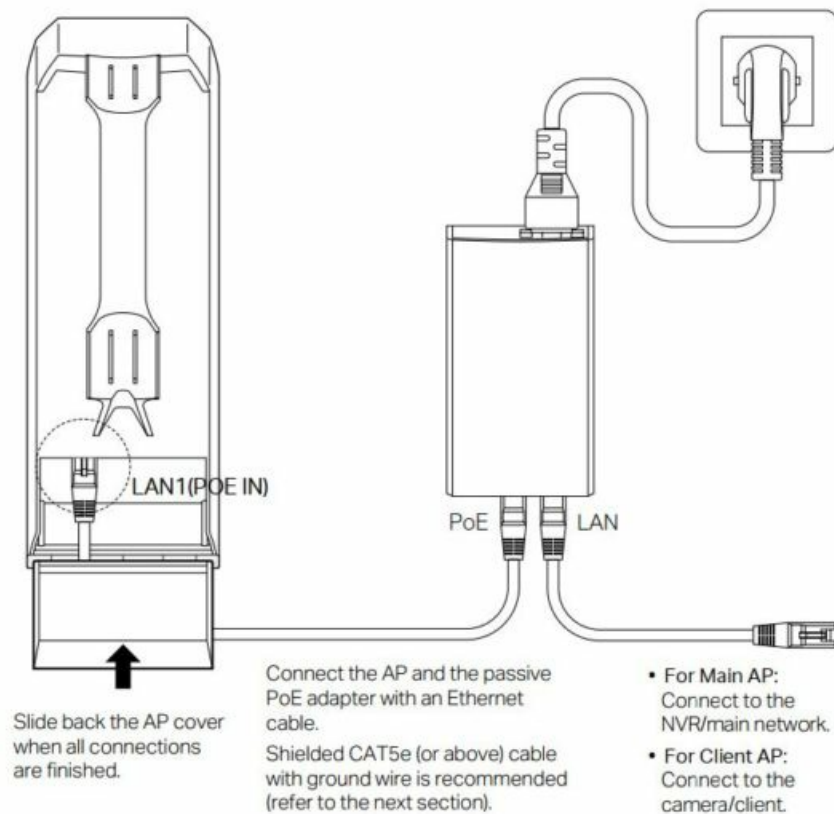
Model	EAP115-Bridge/EAP215-Bridge	EAP211-Bridge
Horizontal Beamwidth	35°	70°



3. Hardware Connection

- **Power Connection**

Connect the AP and power adapter as shown in the figure below.

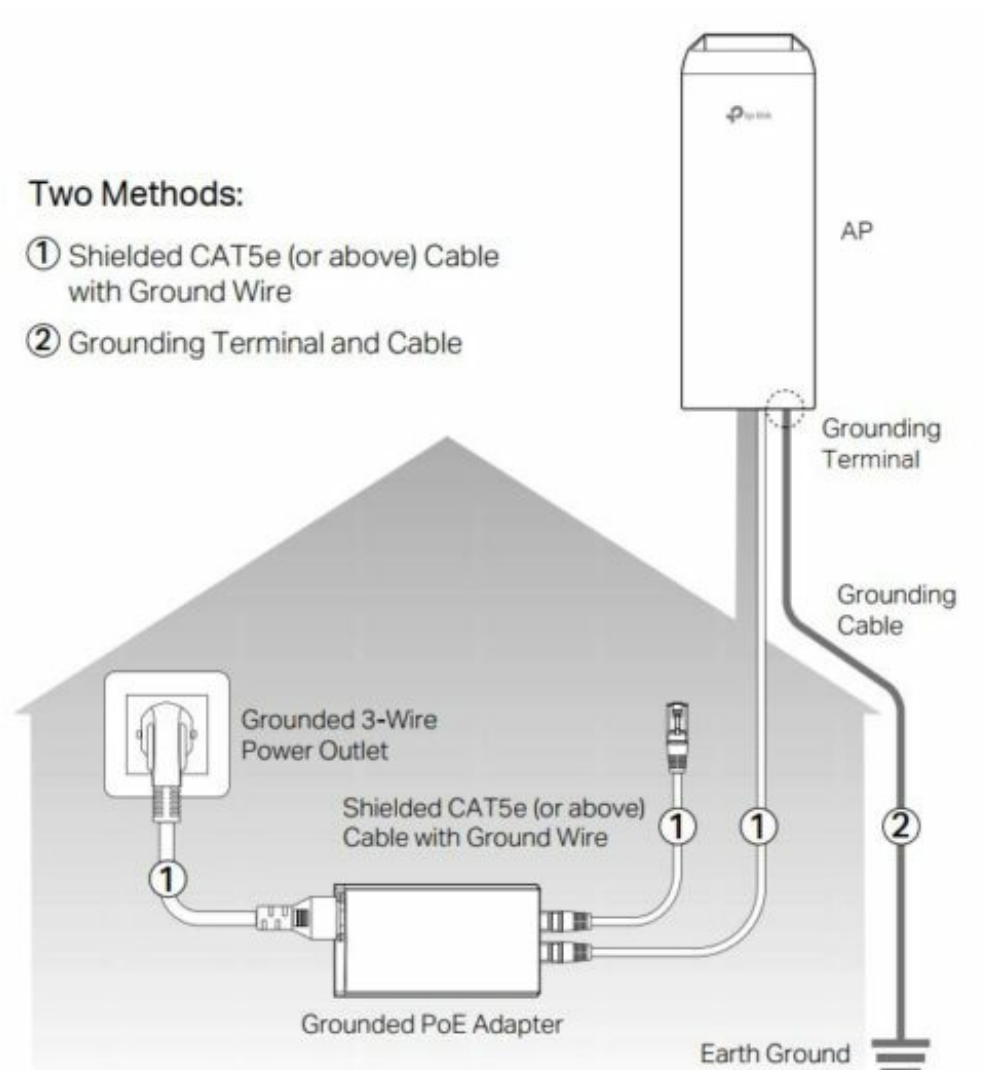


• Lightning and ESD Protection

Before mounting the AP, consider Lightning and ESD Protection to ensure safety. Proper grounding is extremely important for outdoor devices.

By using shielded CAT5e (or above) cable with ground wire for the connection and the provided PoE adapter (Method 1), you can effectively eliminate ESD attacks.

If you use the general CAT5e cable for the connection, then it is necessary to connect the grounding terminal of the AP to earth ground through grounding cable (Method 2).



4 Auto Pairing

After power-on, Bridge APs in the same KIT will automatically form a bridge network. The Signal LEDs on the APs will turn on.

Note: If you have other Bridge APs, refer to the Network Management section to add them manually.

1. The default SSID on the product is only for device access and management. If you need an SSID to access the internet and service networks, refer to the Network Management section to set up the AP.
2. In a network without a DHCP Server, Bridge APs will use the following DHCP fallback IP addresses:

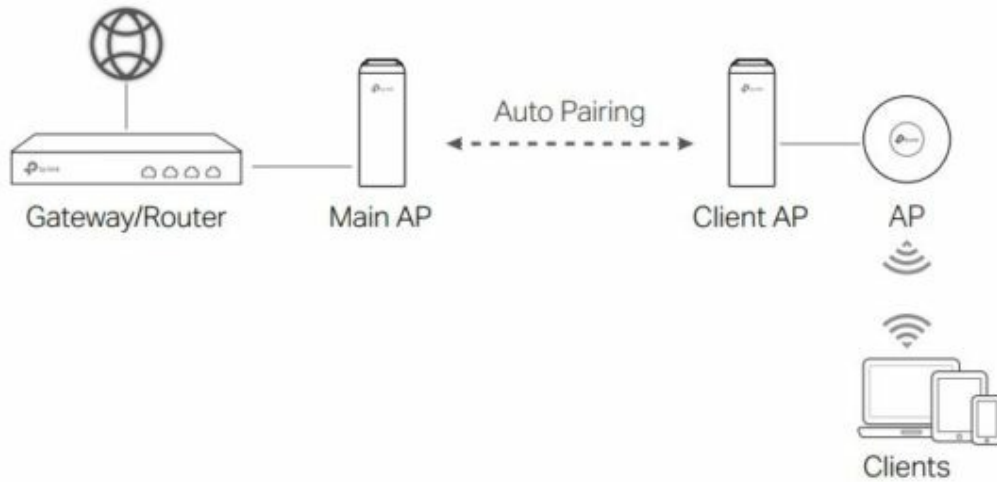
Main AP: 192.168.0.254

Client AP: 192.168.0.253

- **Typical Application 1: Remote Camera Monitoring**



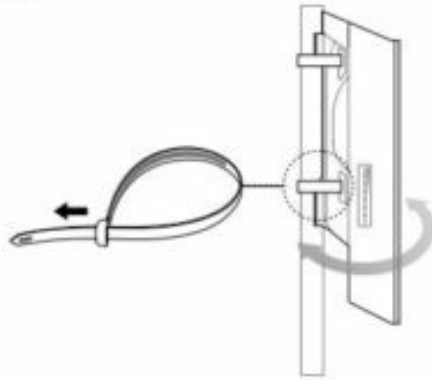
- **Typical Application 2: Wi-Fi Extension**



5 Mounting

- **Mount the AP**

At the selected site, approximately align the AP to the direction that you have oriented.

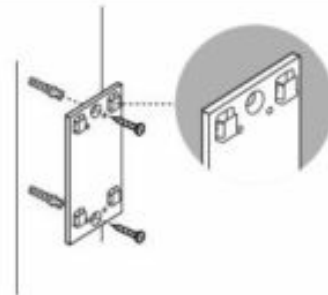


• (Optional) Mount the Power Adapter

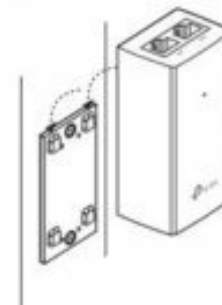


To ensure the passive PoE adapter is attached most securely, we recommend that you install the adapter with the Ethernet port facing upward.

1. Drill two holes on the wall and insert the wall anchors into 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.



2. Attach the passive PoE adapter to the mounting bracket by sliding the adapter in the direction of the arrows until it locks into place.



6 (Optional) Network Management

If you want to change AP settings, manage the network, or add other APs to the network, choose a method below:

- Method 1: Standalone Mode

Configure and manage APs through the Main AP (Convenient for a small network with only a few devices)

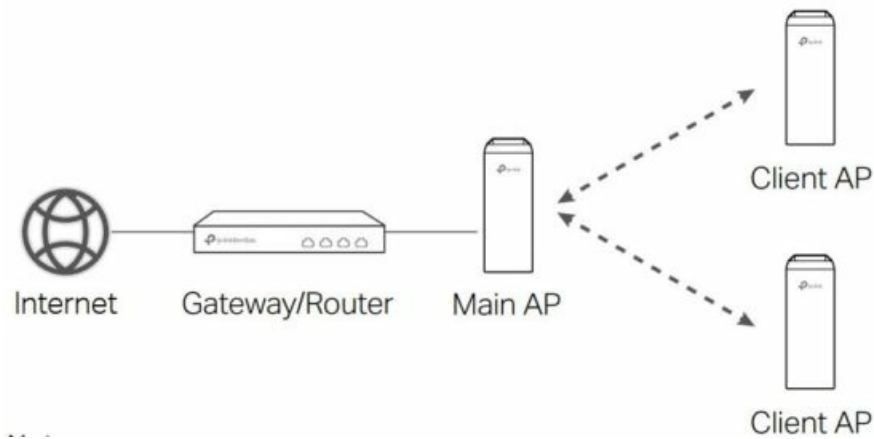
- Method 2: Controller Mode

Configure and manage APs in batches on a central platform, namely the Omada Controller.

Method 1: Standalone Mode

If your network has only a few devices, you can configure and manage Bridge APs through the Main AP.

Note: The AP's web page is inaccessible while the AP 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 APs and clients in your local network.

Via Web Browser

1. Connect your management device to the Main AP by using the default SSID printed on the label of the product.
Note: Under factory settings, the AP's management SSID will disable after two hours upon powering on. If you need to connect to the SSID, re-power the AP.
2. Launch a web browser and enter <https://tplinkeap.net> in the address bar.
If your network doesn't have a DHCP server, ensure your management device is using IP address 192.168.0.X, then enter <https://192.168.0.254> instead to access the AP's web page.
3. Use admin for both Username and Password to log in. Set up a new Username and Password for secure management purpose. Then you can configure the Main AP.
4. Add the Client AP(s).
 - For the Client AP in the same KIT as the Main AP, the system will automatically scan for it and add it to the network.
 - For other Bridge APs, go to Management > Wireless Bridge APs, then click Add Client AP and follow web instructions to manually add them to the network.

Notes:

1. For security, we recommend changing the default login username and password of each AP. The Main AP's Bridge AP list provides quick access to each AP's web page.
2. Bridge KIT APs have factory-set roles. If you want to change their roles, refer to the User Guide at: <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. Connect your mobile device to the Main AP by using the default SSID printed on the label of the product.

Note: Under factory settings, the AP's management SSID will disable after two hours upon powering on. If you need to connect to the SSID, re-power the AP.

3. Open the Omada App, go to the Standalone Mode > EAPs page, and wait for the Main AP to appear. Tap on the AP to configure it.

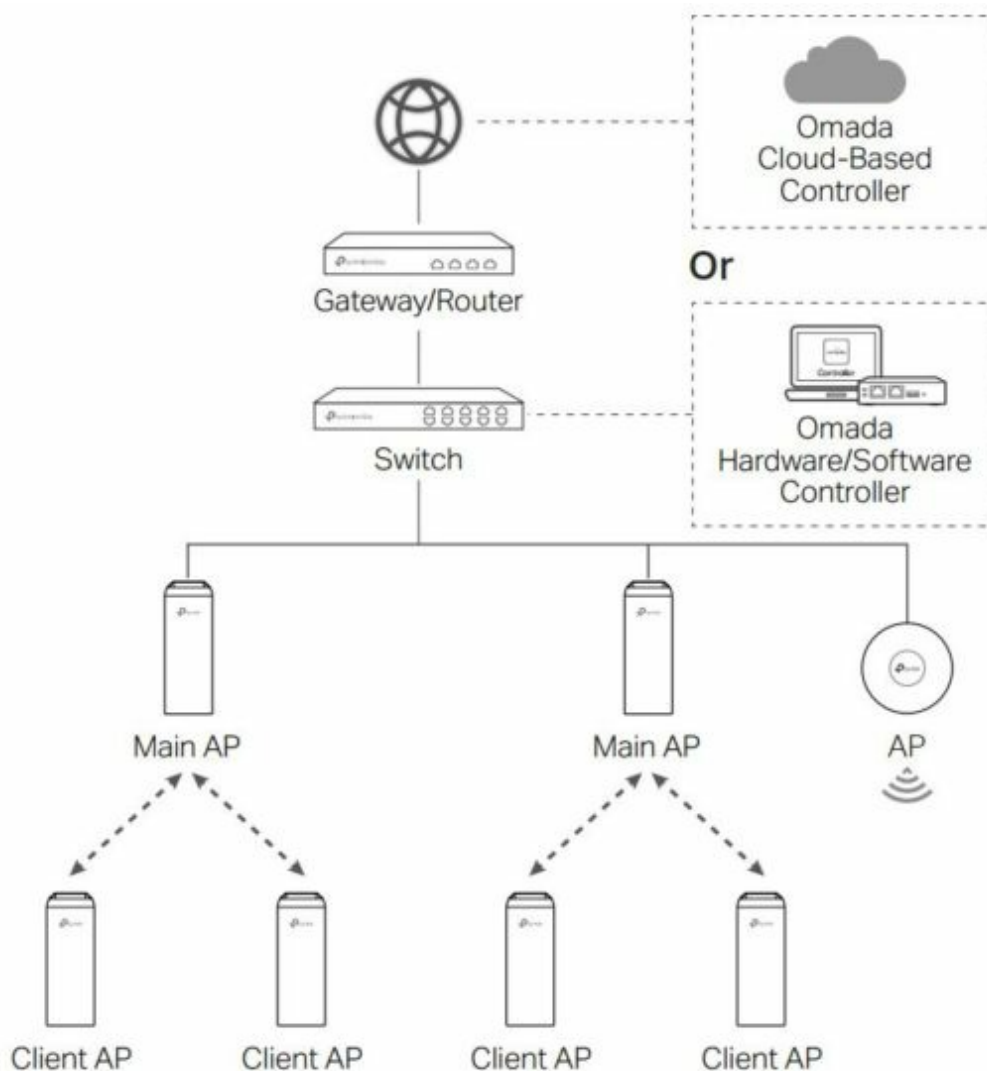
4. Add the Client AP(s).

- For the Client AP in the same KIT as the Main AP, the app will automatically scan for it and add it to the network.
- For other Bridge APs, go to the EAPs page, tap Bridge, then tap + and follow app instructions to manually add them to the network.

Note: For security, we recommend changing the default login username and password of each AP.

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 APs and clients in your local network.
- The Omada Controller must have network access to your Omada devices (the gateways/routers, switches, and APs) 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-softwarecontroller/>.

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.tp-linkcloud.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 APs.

Note:

Bridge KIT APs have factory-set roles. If you want to change their roles, refer to the User Guide at: <https://www.tp-link.com/support/download/?type=smb>

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 the Omada Portal (<https://omada.tplinkcloud.com>).

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 an AP in your network.

Note: If you connect to a Bridge AP, ensure you have set up it first. The default SSID on the product is isolated from service networks.

- 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 APs.

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 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.
- 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 original packing of this product. If you

have any questions, please don't hesitate to contact us.

- Adapter should be used indoors where the ambient temperature is lower than or equal to 40°C. Outdoor products are powered through the adapter's output line.
- The plug on the power supply cord is used as the disconnect device, the socket-outlet shall be easily accessible.
- 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.
- Plug the adapter into the wall outlets with earthing connection through the power supply cord.

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/>.



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 AP Controller, go to the Devices page and select the desired AP 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 APs. The guides can be found at our Download Center:

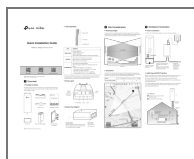
<https://www.tp-link.com/support/download/?type=smb>.

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.



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EAP115-Bridge, EAP215-Bridge, Omada EAP215-Bridge Wireless Bridge Access Point, Omada EAP215-Bridge, Wireless Bridge Access Point, Bridge Access Point, Access Point, Point

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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