

Quick Installation Guide

Wireless Access Point

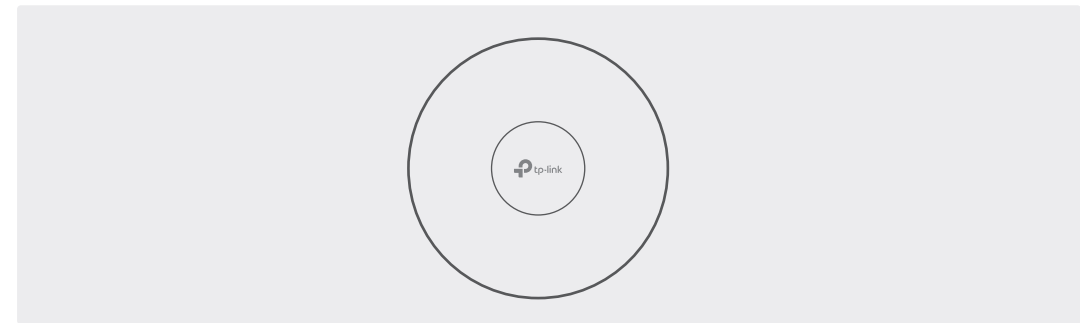
**Setup with videos**
Visit <https://www.tp-link.com/support/setup-video/> or scan the QR code to search for the setup video of your product model.



1 Hardware Overview

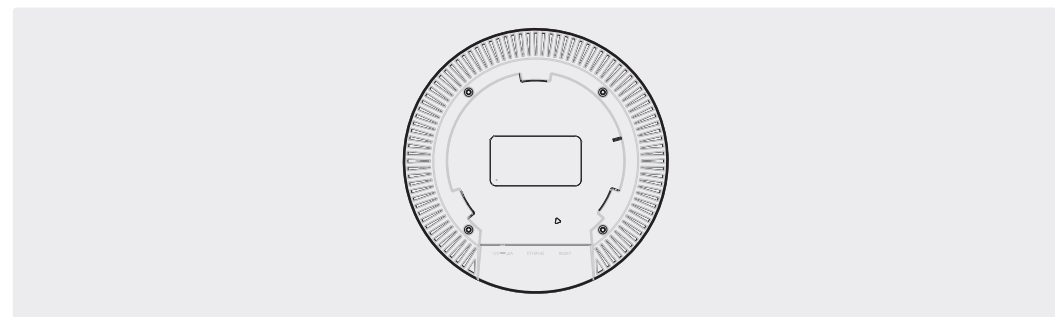
Note: For simplicity, we will take EAP650 V1 for example throughout the Guide. The image may differ from the actual product.

Front Panel



- LED Indicator**
On: Working normally/Initializing.
Off: Working abnormally/Power off/LED is turned off.
- Flashing:**
- **Initialization:** The LED flashes twice after initialization is completed.
 - **Upgrade:** The LED flashes once per second while upgrading.
 - **Reset:** The LED flashes quickly during the reset. The EAP will then reboot.
 - **Isolated:** The LED flashes slowly. The EAP is in the isolated state.
 - **Locate:** When the Locate feature is activated in the Omada controller, the LED flashes quickly to locate and identify the device. The LED will flash for 10 minutes, or you can disable the feature manually to stop it flashing.

Rear Panel



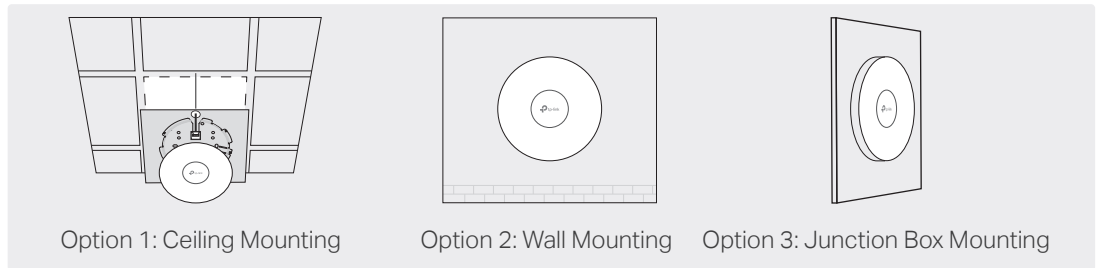
RESET
With the device powered on, press and hold the button for about 5 seconds until the LED flashes quickly. Then release the button. The device will restore to factory default settings.

Ethernet Port: ETH (PoE)
The port is used to connect to a 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. The port supports transmission speed of 10/100/1000 Mbps.

Power Port
Plug one end of the provided power adapter to this port and the other end to a standard electrical wall outlet to power the EAP. Please use the power adapter provided in the package.

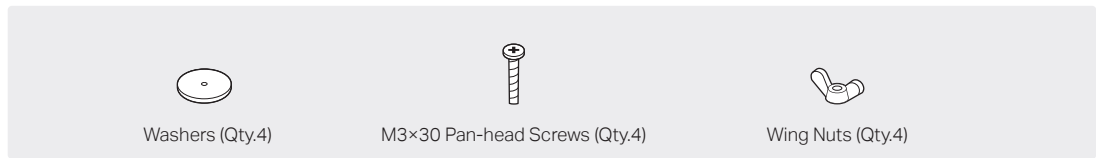
2 Hardware Installation

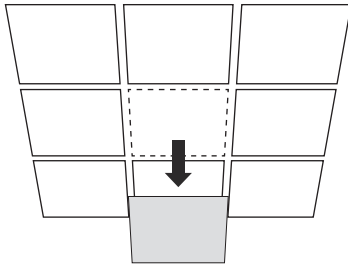
The EAP can be mounted to the ceiling, the wall, or in a junction box, using the screws in the package. Choose the appropriate mounting and installation steps below.
Note: This product requires heat dissipation through the metal bracket during use, please be careful not to touch the metal bracket in the heat dissipation.

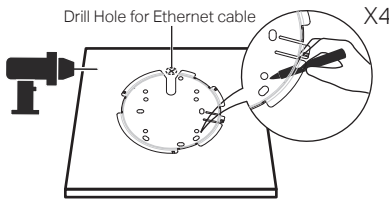


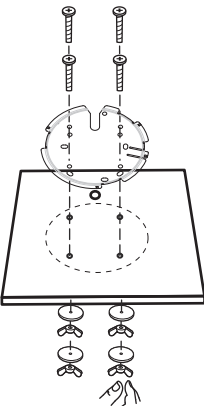
Option 1: Ceiling Mounting

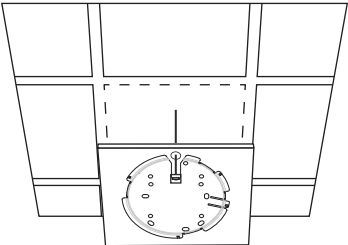
Note: Make sure that the ceiling tile is larger than the EAP.

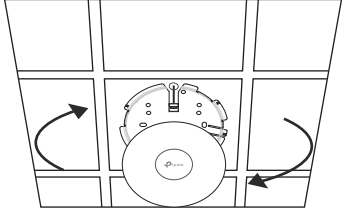


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Remove the ceiling tile.
- 

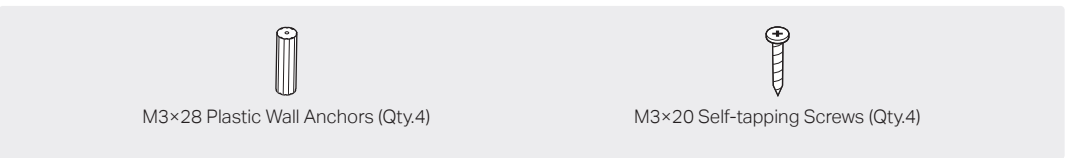
Place the mounting bracket in the center of the ceiling tile. Mark four positions for the screw holes and a location for the Ethernet cable hole. Drill four 4 mm (5/32 in) diameter holes for the screws and a 25 mm (63/64 in) diameter hole for the Ethernet cable at the marked positions.
- 

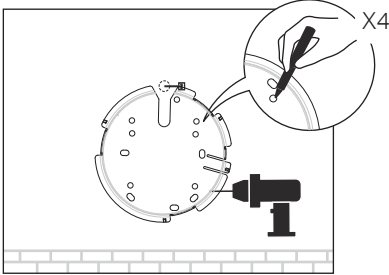
Secure the mounting bracket to the ceiling tile using four M3x30 pan-head screws, washers, and wing nuts, as shown on the left.
- 

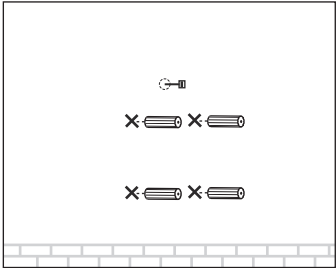
Feed the Ethernet cable through the hole and set the ceiling tile back into place.
- 

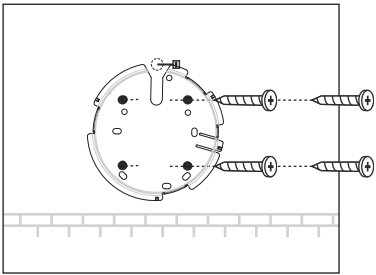
Connect the Ethernet cable to the Ethernet port. Please pay attention to the triangle sign. Attach the EAP to the mounting bracket, then rotate it until it locks into place, as shown on the left.

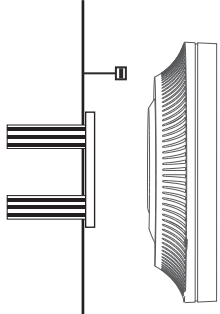
Option 2: Wall Mounting

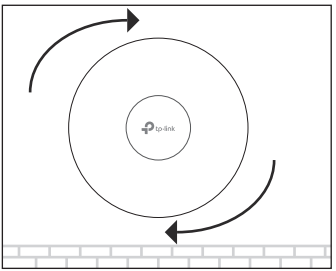


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1
If your Ethernet cable feeds through the wall, position the mounting bracket below the cable hole. Mark four positions for the screw holes and drill four 6 mm (15/64 in) diameter holes at the marked positions.
- 

2
Insert the plastic wall anchors into the 6 mm diameter holes.
- 

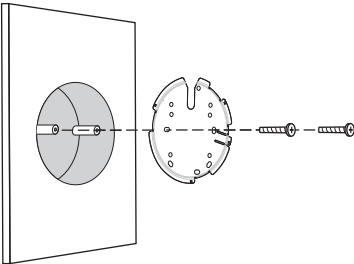
3
Secure the mounting bracket to the wall by driving the self-tapping screws into the anchors. Make sure that the shoulders of the mounting bracket are on the outside.
- 

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

5
Attach the EAP to the mounting bracket by rotating it until it locks into place, as shown on the left.

Option 3: Junction Box Mounting

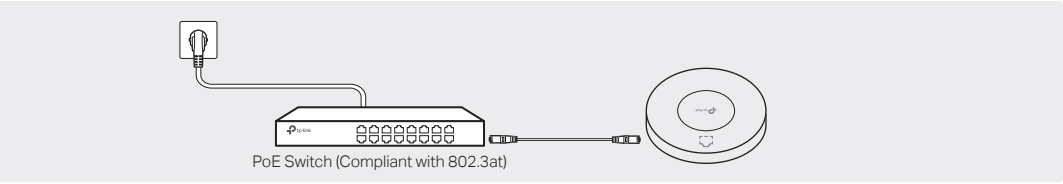
Prepare the cables and the junction box in advance. Ensure that the mounting holes align to your junction box.
*Compatible wall junctions:

- 
- Route the cables through the square cable hole on the mounting bracket, and secure the mounting bracket to the junction box using screws. Then follow Step 4 and Step 5 of Option 2 to complete the installation.
- 

3 Power Supply

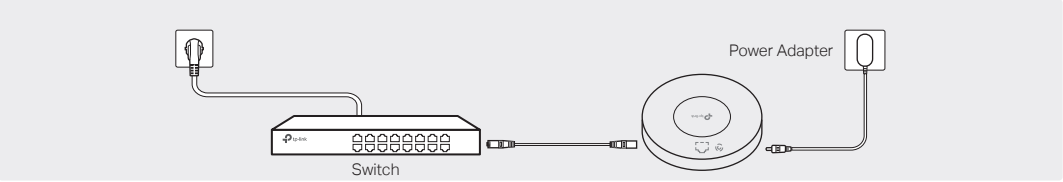
The EAP can be powered via a power adapter or a PSE device (such as a PoE switch) which complies with LPS or PS2 standard.

Option1: Via PoE Switch (Compliant with 802.3at)



Connect an Ethernet cable from the PoE switch (compliant with 802.3at) to the Ethernet port. **Note:** EAP610 V3 is also compliant with 802.3af.

Option2: Via Power Adapter



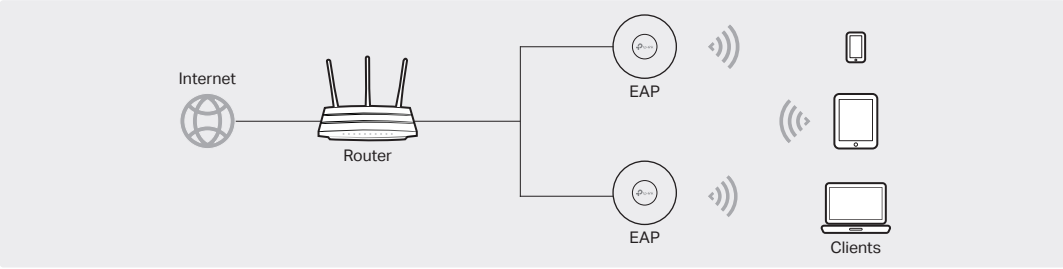
Plug one end of the provided power adapter into the power port of the EAP and the other end to a standard electrical wall outlet.

4 Software Configuration

Choose from the following methods to set up your EAPs:

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

Method 1: Standalone Mode



- Note:**
- Before you start, be sure to power up and connect your devices according to the topology figure.
 - 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.

Via Omada App

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



2. Connect your mobile device to the EAP by using the default SSID (format: **TP-Link_2.4GHz/5GHz_XXXXXX**) printed on the label at the bottom of the product.
3. Open the Omada App, and wait for the EAP to appear on the **Standalone APs** page. Tap on the EAP you want to configure.

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

Via Web Browser

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

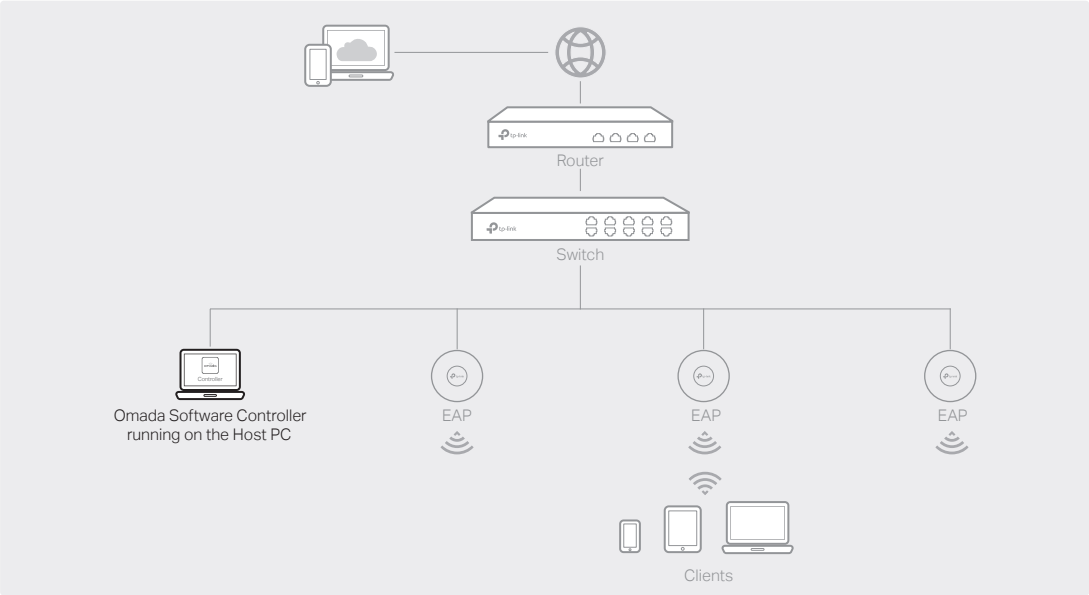
To configure other EAPs, connect your device to the EAP by the corresponding default SSID and repeat the steps listed above. You can configure some basic functions in Standalone Mode. If you want to configure advanced functions, use Controller Mode.

Method 2: Controller Mode

Choose from the following two types of Omada Controller:

- **Type 1: Omada Software Controller**
On a PC with Windows OS or Linux OS, download the Omada Software Controller from <https://www.tp-link.com/support/download/omada-software-controller/>. Then run the file and follow the wizard to install and launch the Omada Software Controller.

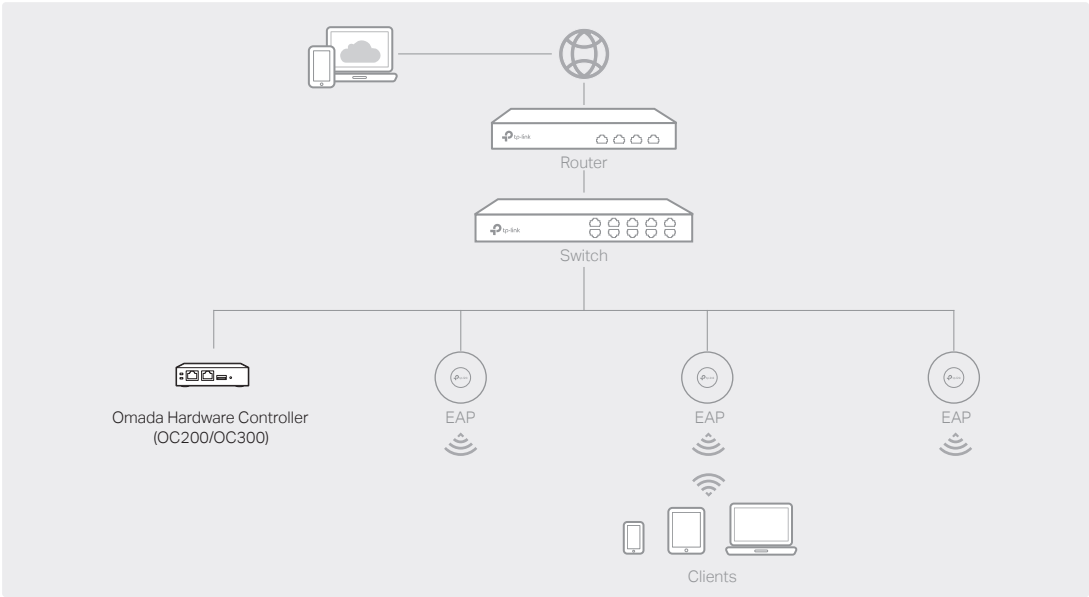
To manage your devices, Omada Software Controller needs to keep running on your computer.



- **Type 2: Omada Hardware Controller (OC200/OC300)**

Omada Hardware Controller (OC200/OC300) is a good alternative if you have no spare PC to keep running Omada Software Controller in the network. It needs to be purchased additionally.

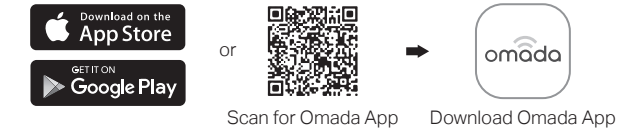
For more details, refer to the Installation Guide of OC200/OC300.



- Note:**
- Before you start, be sure to power up and connect your devices according to the topology figure.
 - 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.
 - Omada Controller must have network access to your Omada devices (the router, switch, and EAPs) in order to find, adopt, and manage them.

Via Omada App

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



2. Launch your Omada App and configure the controller at a 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 at the bottom of the product.
 - b. Launch Omada App and go to **Local Access**, tap the + button on the upper-right corner to add the controller. Then you can further configure the controller.

- Remote Management
 - Note:** Before you start, make sure that both your controller and mobile device can access the internet.
 - * For Omada Software Controller
 - a. Make sure that **Cloud Access** is enabled on your controller and your controller has been bound with your TP-Link ID.
 - b. Launch Omada App and log in with your TP-Link ID. Then go to **Cloud Access**. A list of controllers that have been bound with your TP-Link ID will appear. Then you can further configure the controller.
 - * For Omada Hardware Controller
 - a. Make sure that **Cloud Access** is enabled on your controller. By default, **Cloud Access** is enabled. Make sure that the Cloud LED is flashing slowly.
 - b. Launch Omada App and log in with your TP-Link ID. Then go to **Cloud Access**. Tap the + button on the upper-right to add your controller. Then you can further configure the controller.

Via Web Browser

1. Open the Omada Controller’s web page.
- * For Omada Software Controller
Launch the Omada Software Controller on your PC. After the initiation process, the controller automatically opens its web page. If not, click **Launch a Browser to Manage the Network**.
 - * For Omada Hardware Controller
As Omada Hardware Controller gets its IP address from the DHCP server of the router, we don’t know its IP address explicitly. However, we can find it out on the router’s DHCP client list.
 - a. You need first find the IP address of the router. Open the command line on your PC and enter **ipconfig**. In the result list, find the **Default Gateway**, which is also the IP address of the router.
 - b. Launch a web browser and enter the IP address of the router. Log into the router’s web page, and both the username and password are **admin** by default. Then go to **Network > LAN > DHCP Client List** to find the IP address of your controller according to its MAC address.
 - c. Enter the IP address of the your controller in the address bar to open its web page.
2. On the Omada Controller’s web page, follow the wizard to complete the quick setup.
3. After the quick setup, the login page appears. Enter the username and password you have created and click **Log in**. Then you can further configure the controller.
4. (For Remote Management) You can remotely access and manage your controller via Omada Cloud Service.
Note: Before you start, make sure that both your controller and your PC can access the internet.
- * For Omada Software Controller
 - a. Make sure that **Cloud Access** is enabled on your controller and your controller has been bound with your TP-Link ID. On the Omada Controller’s web page, go to **Settings > Cloud Access** to enable Cloud Access and bind your TP-Link ID. If you have set it up in the quick setup, skip this step.
 - b. Launch a web browser and enter **https://omada.tplinkcloud.com** in the address bar. Enter your TP-Link ID and password to log in. A list of controllers that have been bound with your TP-Link ID will appear. Then you can click **Launch** to further configure the controller.
 - * For Omada Hardware Controller
 - a. Make sure that **Cloud Access** is enabled on your controller. By default, **Cloud Access** is enabled. Make sure that the Cloud LED is flashing slowly.
 - b. Launch a web browser and enter **https://omada.tplinkcloud.com** in the address bar. Enter your TP-Link ID and password to log in. Click + **Add Controller** and choose **Hardware Controller** to add your controller. Then you can further configure the controller.

For the detailed configurations, refer to the User Guide 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/>.

-  To ask questions, find answers, and communicate with TP-Link users or engineers, please visit <https://community.tp-link.com> to join TP-Link Community.
-  For technical support, the user guide and other information, please visit <https://www.tp-link.com/support>, or simply scan the QR code.
-  If you have any suggestions or needs on the product guides, welcome to email techwriter@tp-link.com.cn.



- 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.

The products of TP-Link partly contain software code developed by third parties, including software code subject to the GNU General Public License ("GPL"). As applicable, the terms of the GPL and any information on obtaining access to the respective GPL Code used in TP-Link products are available to you in GPL-Code-Centre under (<https://www.tp-link.com/en/support/gpl/>). The respective programs are distributed WITHOUT ANY WARRANTY and are subject to the copyrights of one or more authors. For details, see the GPL Code and other terms of the GPL.





Regulatory Compliance

Ceiling Mount EAP

For Class B Ceiling Mount EAP with adapter:

FCC Compliance Information Statement



Product Name: Omada Ceiling Mount Access Point

Model Number: EAP110 / EAP115 / EAP225 / EAP235 / EAP245 / EAP265 HD / EAP610 / EAP620 HD / EAP650 / EAP660 HD / EAP670

Component Name	Model
I.T.E. Power Supply	TL-POE2406 (For EAP110) T090060-2B1 (For EAP115) TL-POE2412G (For EAP225 / EAP235) T120150-2B1 (For EAP245) T480050-2-POE (For EAP265 HD) T120100-2B1 (For EAP610 / EAP620 HD / EAP650 / EAP660 HD / EAP670)

Responsible party:

TP-Link USA Corporation, d/b/a TP-Link North America, Inc.

Address: 145 South State College Blvd. Suite 400, Brea, CA 92821

Website: <https://www.tp-link.com/us/>

Tel: +1 626 333 0234

Fax: +1 909 527 6803

E-mail: sales.usa@tp-link.com

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference.
- 2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

"To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20.7cm from all persons and must not be colocated or operating in conjunction with any other antenna or transmitter."

Product Name: I.T.E. Power Supply

Model Number: TL-POE2406 / T090060-2B1 / TL-POE2412G / T120150-2B1 / T480050-2-POE / T120100-2B1

Responsible party:

TP-Link USA Corporation, d/b/a TP-Link North America, Inc.

Address: 145 South State College Blvd. Suite 400, Brea, CA 92821

Website: <https://www.tp-link.com/us/>

Tel: +1 626 333 0234

Fax: +1 909 527 6803

E-mail: sales.usa@tp-link.com

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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- 2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

We, **TP-Link USA Corporation**, has determined that the equipment shown as above has been shown to comply with the applicable technical standards, FCC part 15. There is no unauthorized change is made in the equipment and the equipment is properly maintained and operated.

Issue Date:2020-5-12

CE Mark Warning



This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

OPERATING FREQUENCY (the maximum transmitted power)

For EAP110 / EAP115:

2412MHz—2472MHz(20dBm)

For EAP225 / EAP245 / EAP265 HD:

2412MHz—2472MHz(20dBm)

5180MHz—5240MHz(23dBm)

For EAP235 / EAP610 /EAP620 HD / EAP650 / EAP660 HD / EAP670:

2412MHz—2472MHz(20dBm)

5180MHz—5240MHz(23dBm)

5260MHz—5320MHz(23dBm)

5500MHz—5700MHz(30dBm)

EU declaration of conformity

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/ce>.

RF Exposure Information

This device meets the EU requirements (2014/53/EU Article 3.1a) on the limitation of exposure of the general public to electromagnetic fields by way of health protection.

The device complies with RF specifications when the device used at 20cm from your body.

National Restrictions

For EAP225 / EAP235 / EAP245 / EAP265 HD / EAP610 / EAP620 HD / EAP650 / EAP660 HD / EAP670:

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

	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	UKNI

Canadian Compliance Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1) L'appareil ne doit pas produire de brouillage;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Caution

For EAP225 / EAP235 / EAP245 / EAP265 HD / EAP610 / EAP620 HD / EAP650 / EAP660 HD / EAP670:

1) The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems; 5150 MHz to 5350 MHz is restricted to indoor operations in Hong Kong.

2) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;

DFS (Dynamic Frequency Selection) products that operate in the bands 5250- 5350 MHz, 5470-5600MHz, and 5650-5725MHz.

Avertissement

1) Le dispositif fonctionnant dans la bande 5150-5250 MHz est réservé uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;

2) Le gain maximal d'antenne permis pour les dispositifs avec antenne(s) amovible(s) utilisant les bandes 5250-5350 MHz et 5470-5725 MHz doit se conformer à la limitation P.I.R.E.;

Les produits utilisant la technique d'atténuation DFS (sélection dynamique des fréquences) sur les bandes 5250- 5350 MHz, 5470-5600MHz et 5650-5725MHz.

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 24.6cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 24.6cm de distance entre la source de rayonnement et votre corps.

Industry Canada Statement

CAN ICES-3 (B)/NMB-3(B)

Korea Warning Statements

당해 무선설비는 운용중 전파혼신 가능성이 있음 .

NCC Notice & BSMI Notice

注意!

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。

前述合法通信，指依電信管理法規定作業之無線電通信。

低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

針對EAP225 / EAP245 / EAP265 HD / EAP610 /EAP620 HD / EAP650 / EAP660 HD / EAP670:

應避免影響附近雷達系統之操作。

高增益指向性天線只得應用於固定式點對點系統。

安全諮詢及注意事項

- 請使用原裝電源供應器或只能按照本產品注明的電源類型使用本產品。
- 清潔本產品之前請先拔掉電源線，請勿使用液體、噴霧清潔劑或濕布進行清潔。
- 注意防潮，請勿將水或其他液體潑灑到本產品上。
- 插槽與開口供通風使用，以確保本產品的操作可靠並防止過熱，請勿堵塞或覆蓋開口。
- 請勿將本產品置放於靠近熱源的地方，除非有正常的通風，否則不可放在密閉位置上。
- 不要私自拆開機殼或自行維修，如產品有故障請與原廠或代理商聯繫。

限用物質含有情況標示聲明書

產品元件名稱	限用物質及其化學符號					
	鉛 Pb	鎘 Cd	汞 Hg	六價鉻 CrVI	多溴聯苯 PBB	多溴二苯醚 PBDE
PCB	○	○	○	○	○	○
外殼	○	○	○	○	○	○
電源供應器	—	○	○	○	○	○
備考1. "超出0.1 wt %" 及 "超出0.01 wt %" 系指限用物質之百分比含量超出百分比含量基準值。 備考2. "○"系指該項限用物質之百分比含量未超出百分比含量基準值。 備考3. "—" 系指該項限用物質為排除項目。						



Продукт сертифіковано згідно с правилами системи УкрСЕПРО на відповідність вимогам нормативних документів та вимогам, що передбачені чинними законодавчими актами України.



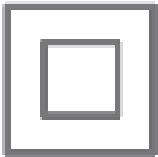
Safety Information

- 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 damaged charger or USB cable to charge the device.
- Do not use any other chargers than those recommended.
- Do not use the device where wireless devices are not allowed
- 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.

Please read and follow the above safety information when operating the device. We cannot guarantee that no accidents or damage will occur due to improper use of the device. Please use this product with care and operate at your own risk.

Explanation of the symbols on the product label

Note: The product label can be found at the bottom of the product and its I.T.E. power supply.

Symbol	Explanation
	Class II equipment
	AC voltage
	DC voltage
	Indoor use only.
	Polarity of output terminals
	Energy efficiency marking (Level VI)
	Caution
	Operator's manual



RECYCLING

This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment.

User has the choice to give his product to a competent recycling organization or to the retailer when he buys a new electrical or electronic equipment.

Mounting Requirements

For safety, we recommend you to use the original screws in the package when mounting. The following are alternatives to mount the device on the wall:

- (For EAP115) Use 3 screws which comply with ANSI B1.1 4# or 6# standard and are longer than 7.5 mm.
- (For EAP225 / EAP235 / EAP245 / EAP265 HD) Use 3 screws which comply with ANSI B1.1 4# standard and are longer than 7 mm.
- (For EAP610 / EAP620 HD / EAP650 / EAP660 HD / EAP670) Use 4 screws which comply with ANSI B1.1 4# standard and are longer than 15 mm.