Quick Installation Guide

Desktop Access Point

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Note: This guide uses EAP650-Desktop for demonstration. Images may differ from your actual product.

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1 Hardware Overview

LED	Indication
Power	**Blue On:** Power supply is normal. **Flash Orange:** Power supply is insufficient. **Off:** Power is off, or LEDs are turned off.
System	**On:** The EAP is initializing or working normally. **Off:** The EAP is working abnormally. **Flash:** • **Flash Twice:** Initialization is complete. • **Flash Once per Second:** The EAP is upgrading or resetting. • **Quick Flash:** The Controller is locating the EAP.* • **Sustained Flash:** The EAP is in the isolated state.
IN (ETH0)	**Green On:** The port is receiving 802.3bt PoE power. **Orange On:** The port is receiving non-802.3bt PoE power**. **Off:** The port is not connected or not receiving PoE power.
OUT (ETH1)	**On:** The port is supplying power to a PoE powered device. **Off:** The port is not connected or not supplying power.
Link/Act (ETH0~ETH3)	**On:** The port is linked but has no activity. **Flash:** The port is transmitting or receiving data. **Off:** The port is not linked.
FXS	**On:** The SIP account is registered successfully. **Slow Flash:** The phone is off hook. **Quick Flash:** The phone is ringing. **Off:** No SIP account is registered.

Button	Description
RESET	With the EAP powered on, press and hold the button for about 5 seconds until the System LED flashes, then release the button. The EAP will restore to factory settings.
LED	Press the button to turn on/off the LEDs.

Interface	Description
Power	Connect to a power socket via the provided power adapter.
ETH0 (PoE IN)	Connect to a power sourcing equipment for both data transmission and PoE input**.
ETH1 (PoE OUT)	Connect to a PoE powered device for both data transmission and PoE output***.
ETH2 ~ ETH3	Connect to a client device to transmit data.
FXS	Connect to a phone to make and receive calls over the internet.

* When the Locate feature is activated in the Omada Controller, the 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.

** 802.3at/bt PoE input is required. 802.3af and passive PoE inputs will disable 5 GHz band and PoE output and thus not recommended.

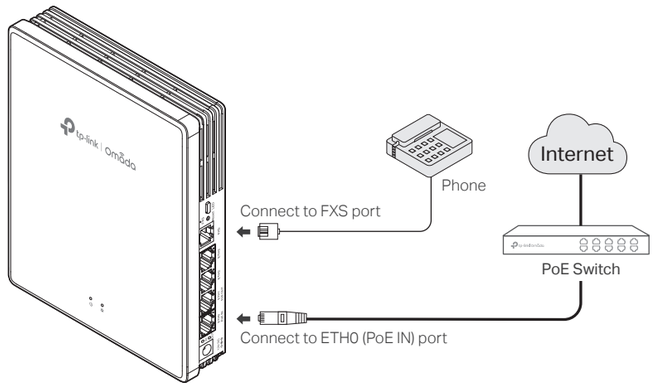
*** The device can supply PoE output power only when it is receiving 802.3at/bt PoE input power.

2 Hardware Connection

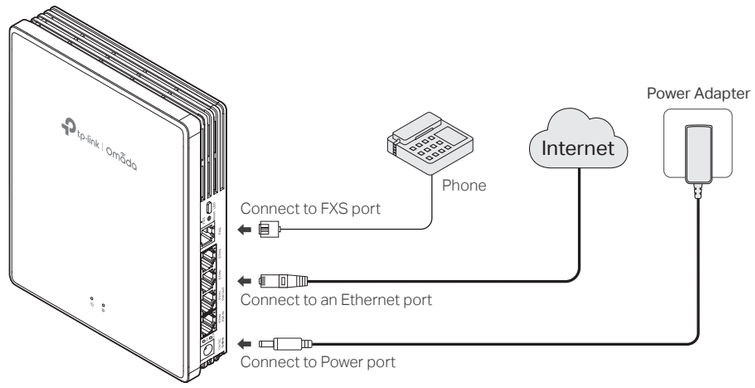
The EAP can only be powered by a power adapter, or by a PSE device (such as a PoE switch) that complies with Power Source Class 2 (PS2) or Limited Power Source (LPS) defined in the standard of IEC 62368-1.

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

Option 1: Power by PoE Switch



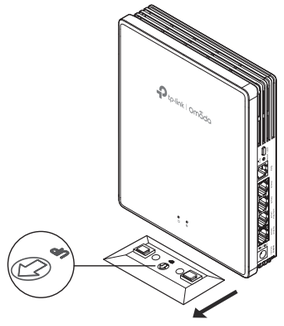
Option 2: Power by Power Adapter



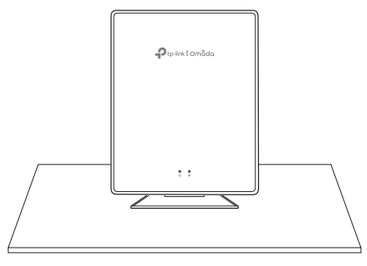
3 Hardware Installation

Option 1: Desktop Mounting

1. Attach the EAP to the multi-functional base.

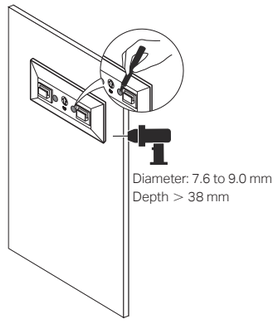


2. Place the EAP vertically on a horizontal surface (such as a desktop or shelf) that is out of children's reach.

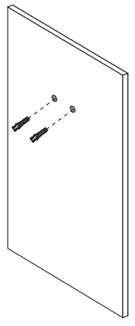


Option 2: Wall Mounting (using the multi-functional base)

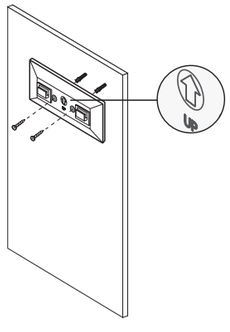
1. Mark and drill holes for mounting.



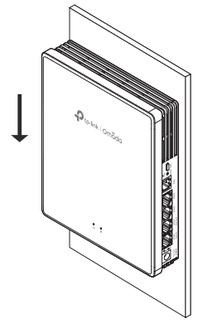
2. Insert the plastic wall anchors into the holes.



3. Secure the multi-functional base to the wall in the correct direction.

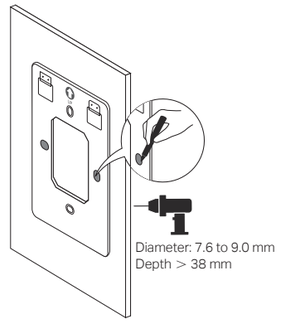


4. Attach the EAP to the base.

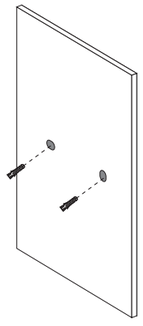


Option 3: Wall Mounting (using the mounting bracket)

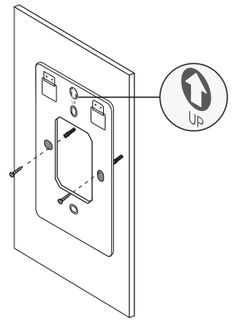
1. Mark and drill holes for mounting.



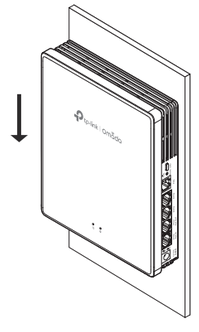
2. Insert the plastic wall anchors into the holes.



3. Secure the mounting bracket to the wall in the correct direction.



4. Attach the EAP to the bracket.



4 Set Up

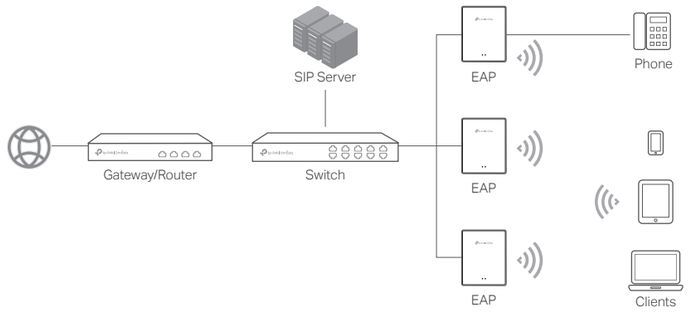
Choose a method to set up your EAPs:

- **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 the 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.
4. (Optional) Configure the phone service.

   Go to the **Telephony** page and set up the telephone number with the information provided by your telephony service provider. Now you can make phone calls over the internet.

Via Omada App

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

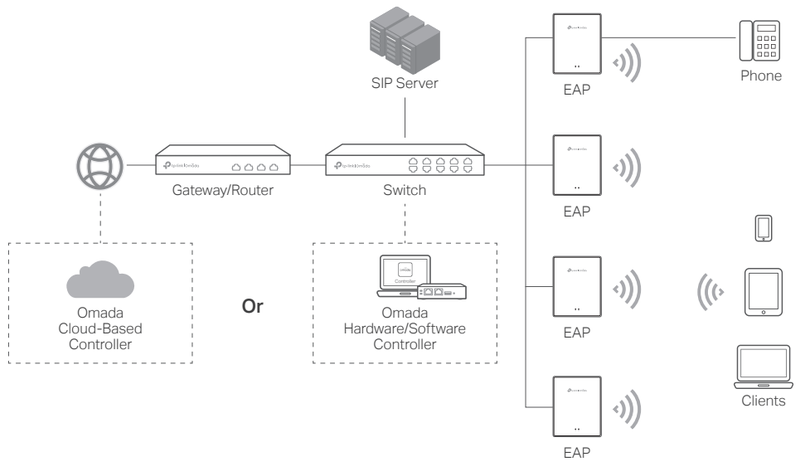


2. Connect your mobile device to the EAP by using the default SSIDs printed on the label of the product.
3. Launch the Omada App, go to the **Standalone Mode** page, and wait for the EAP to appear. Tap on the EAP to configure it.

   The Omada App is designed to help you quickly configure common settings. If you want to configure advanced settings (such as phone service), 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**

     Purchase 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.
4. (Optional) Configure the phone service.

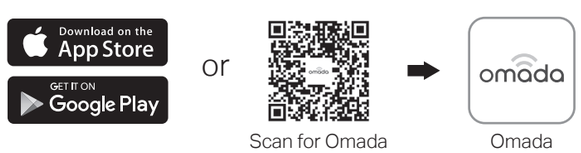
   Go to **Settings > VoIP** to configure the phone service with the information provided by your telephony service provider. For detailed instructions, refer to your Controller's user guide.

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**).

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 the **Controller Mode** page. Tap the + button on the upper-right corner to add the Controller.

   - **Cloud Access**

     a. Launch the Omada App and go to the **Controller Mode** page.

     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 (such as phone service), use the web page of your Controller.

EAC

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 PoE ports shall not be used to charge lithium batteries or devices supplied by lithium batteries.

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/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.