

Installation Guide

Omada Gigabit VPN Gateway

PWR	SYS
On: Power on Off: Power off	Flashing: System running normally On/Off: System running abnormally
USB	
On: Connecting to a USB device Off: No USB device connected Flashing: Identifying the connected device	
Link/Act	
 On: Connecting to a device but no activity Off: No device connected to the corresponding port Flashing: Transmitting or receiving data	

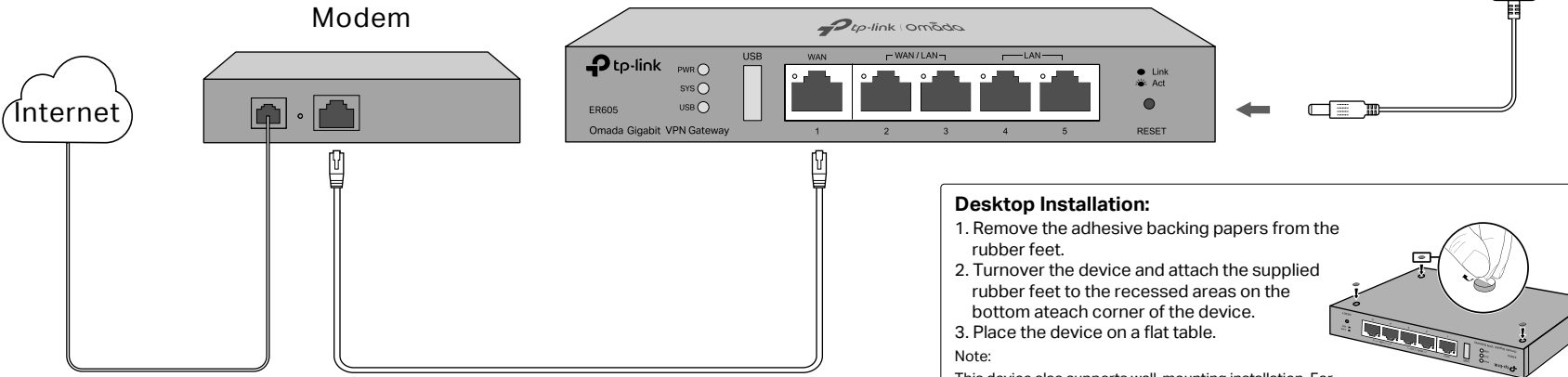
Images may differ from the actual product.

Connection

1 Connect the modem to the gateway's **WAN Port 1** with an Ethernet cable.

Note: To connect to the internet via another WAN port (port 2 or port 3), configure your desired port to WAN, then connect the port to the internet. Refer to **FAQ-Q1** for more details.

2 Use the charger provided in the package to power on the gateway.



Configuration

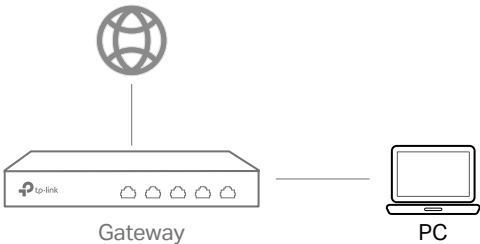
The gateway supports two configuration options:

- Standalone Mode: Configure and manage the gateway singly.
- Controller Mode: Configure and manage the network devices centrally. It is recommended in the large-scale network, which consists of mass devices such as access points, switches, and gateways.

Note: When the gateway is managed by a controller, configurations of the gateway will be overridden by the controller.

Option 1: Standalone Mode

In Standalone Mode, use a computer to configure and manage the gateway.



1. Connect a computer to a LAN port of the gateway with an RJ45 cable properly. If your computer is configured with a fixed IP, change it to **Obtain an IP address automatically**.

2. Open a web browser and type the default management address **192.168.0.1** in the address field of the browser, then press the **Enter** key.
3. Create a username and a password for subsequent login attempts and for security.
4. Use the username and password set above to log in to the webpage.
5. After a successful login, you can configure the function by clicking the setup menu on the left side of the screen.

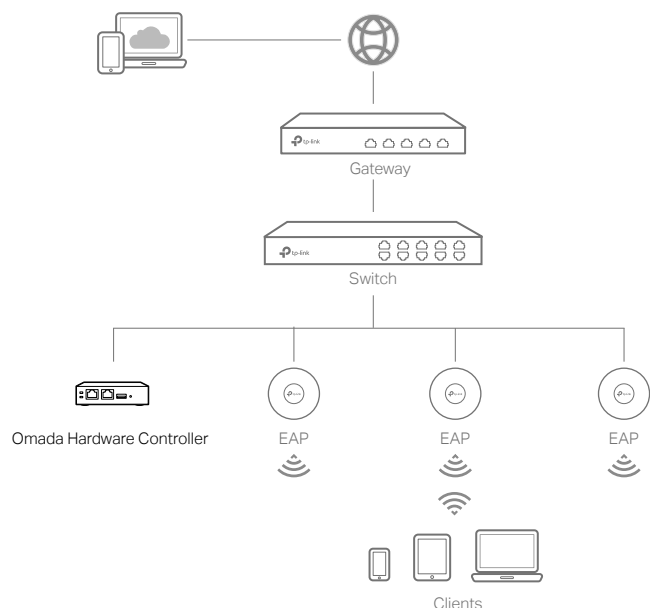
For detailed configurations, refer to the User Guide of the gateway. The guide can be found on the download center of our official website: <https://www.tp-link.com/support/download/?type=smb>.

Option 2: Controller Mode Choose from the following two types of Omada Controller:

Type1: Via Omada Hardware Controller

Omada Hardware Controller (e.g., OC200/OC300, purchased separately) 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 Omada Hardware Controller.



1. As Omada Hardware Controller gets its IP address from the DHCP server of the gateway, we don't know its IP address explicitly. However, we can find it out on the gateway's DHCP client list.
 - a. You need first find the IP address of the gateway. 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 gateway.
 - b. Launch a web browser and enter the IP address of the gateway. Create a username and password, and log into the gateway's web page. 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 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.
 - 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.

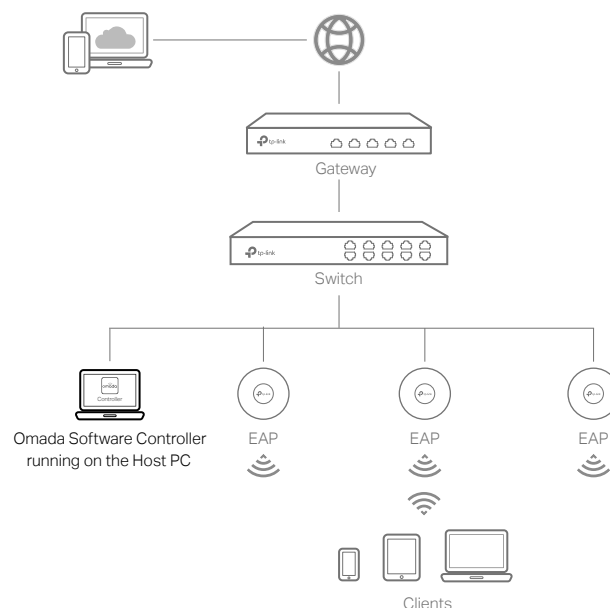
* Omada App

With Omada App, you can also manage your controller at a local site or a remote site via your mobile device.



Type2: Via Omada Software Controller

Omada Software Controller is a free software for centralized management. To centrally manage your devices, Omada Software Controller needs to keep running on your computer.



1. On the PC with Windows OS or Linux OS, download the Omada Software Controller installation file from <https://www.tp-link.com/support/download/omada-software-controller/>.
Note: To download Omada Software Controller successfully, it is recommended to configure the gateway's network to access the internet. Refer to Standalone Mode to launch the management page and go to **Network > WAN** to complete the configuration.
2. Run the file and follow the wizard to install the Omada Software Controller.
3. Launch the Omada Software 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 network.

Omada Cloud Portal

After installing Omada Software Controller, you can remotely access the controller through Omada Cloud Portal. Follow the steps below.

- a. 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.
- b. Launch a web browser and enter <https://omada.tplinkcloud.com> in the address bar.
- c. 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 the detailed configurations, refer to the User Guide of the controller. The guide can be found on the download center of our official website: <https://www.tp-link.com/support/download/?type=smb>.

Frequently Asked Questions (FAQ)

Q1. What should I do if I want to change the mode of the WAN/LAN ports?

Follow the steps:

1. (Recommended) Refer to the Interface Description table of this guide for the default mode of the WAN/LAN ports.
2. Connect a computer to a LAN port of this gateway. If your computer is configured with a fixed IP address, change it to **Obtain an IP address automatically**.
3. Log in to this gateway's management page at <http://192.168.0.1> or the controller's management page. Go to **Network > WAN > WAN Mode**, change the mode of the WAN/LAN ports by ticking the checkboxes, and click **Save**.

Q2. What should I do if I need to connect this gateway to a modem gateway?

Check the LAN IP address of the modem gateway first. If the LAN IP address of the modem gateway is 192.168.0.1, which is the same as the default LAN IP address of this gateway, follow the steps to change the LAN IP address of this gateway:

1. Connect a computer to a LAN port of this gateway. If your computer is configured with a fixed IP address, change it to **Obtain an IP address automatically**.
2. Log in to this gateway's management page at <http://192.168.0.1> or the controller's management page, and go to **Network > LAN > LAN**. In the **Network List** section, change the IP address 192.168.0.1 to 192.168.1.1, and click **OK**.

For technical support, the user guide and other information, please visit <https://www.tp-link.com/support/?type=smb>.

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.
- Adapter shall be installed near the equipment and shall be easily accessible.
- Place the device with its bottom surface downward.

EU Declaration of Conformity

TP-Link hereby declares that the device is in compliance with the essential requirements and other relevant provisions of directives 2014/30/EU, 2014/35/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 Electromagnetic Compatibility Regulations 2016 and Electrical Equipment (Safety) Regulations 2016.

The original UK declaration of conformity may be found at <https://www.tp-link.com/support/ukca/>

