tp-link

Installation Guide

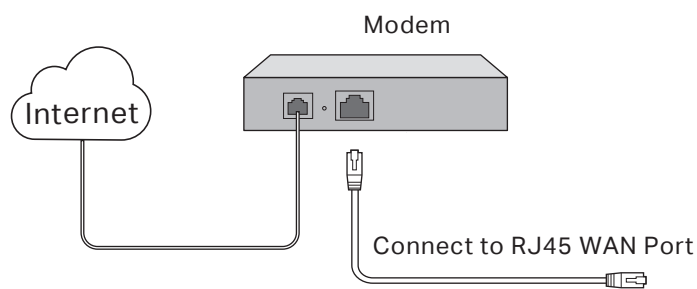Omada VPN Router

Note: The image may differ from the actual product.

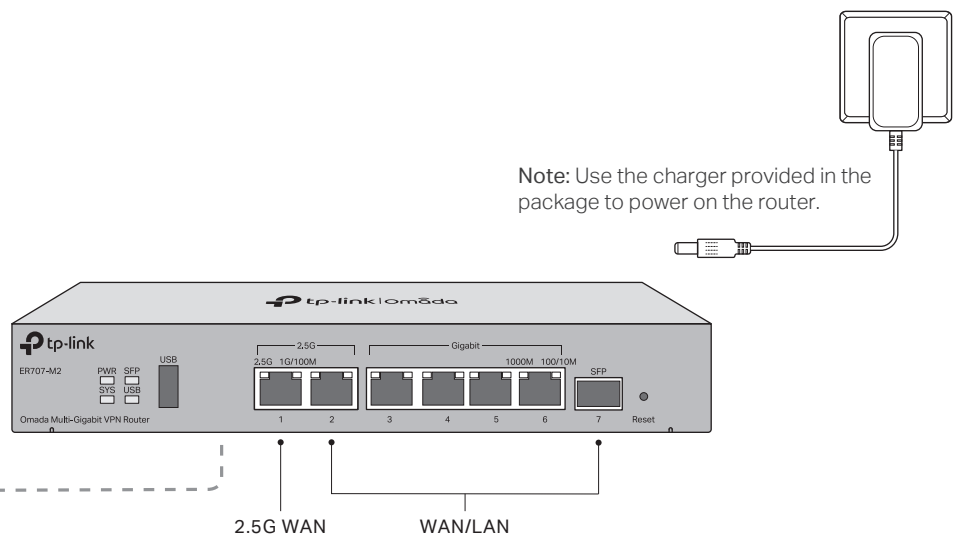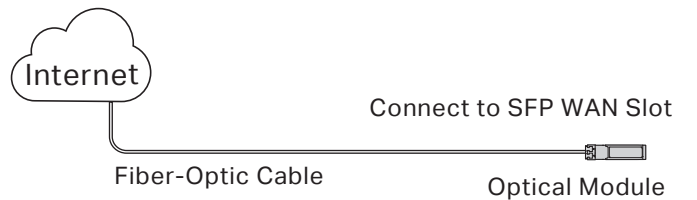| LED	Indication
PWR	**On:** Power is on. **Off:** Power is off.
SYS	**Slow Flashing:** System is running normally. **Quick Flashing:** The router is being reset. **On/Off:** System is starting up or running abnormally.
SFP	**On:** Running at 1000 Mbps, but no activity. **Off:** No device is linked to the corresponding port. **Flashing:** Running at 1000 Mbps, and transmitting or receiving data.
USB	**For USB Modem:** **Flashing:** A modem is connected, and it is initializing. **On:** The modem is loaded. **Off:** No modem is inserted, or it is corrupted or incompatible. **For USB Storage:** **On:** A USB storage device is inserted and identified. **Off:** No USB storage device is inserted, or it is corrupted or incompatible.
Link/Act Green Yellow	**For 2.5G Port:** **Green On:** Running at 2.5 Gbps, but no activity. **Green Off:** No device is linked to the corresponding port. **Green Flashing:** Running at 2.5 Gbps, and transmitting or receiving data. **Yellow On:** Running at 1000/100/10 Mbps, but no activity. **Yellow Off:** No device is linked to the corresponding port. **Yellow Flashing:** Running at 1000/100/10 Mbps, and transmitting or receiving data. **For Gigabit Port:** **Green On:** Running at 1000 Mbps, but no activity. **Green Off:** No device is linked to the corresponding port. **Green Flashing:** Running at 1000 Mbps, and transmitting or receiving data. **Yellow On:** Running at 100/10 Mbps, but no activity. **Yellow Off:** No device is linked to the corresponding port. **Yellow Flashing:** Running at 100/10 Mbps, and transmitting or receiving data.

Connection

Note: For simplicity, we take ER707-M2 as an example.

▪ Connect via Ethernet

Modem

Internet

Connect to RJ45 WAN Port

Note: Use the charger provided in the package to power on the router.

▪ Connect via fiber network

Internet

Connect to SFP WAN Slot

Fiber-Optic Cable

Optical Module

2.5G WAN

WAN/LAN

Configuration

The router supports two configuration options:

- Standalone Mode: Configure and manage the router 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 router is managed by a controller, configurations of the router will be overriden by the controller.

Option 1: Standalone Mode

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

Router

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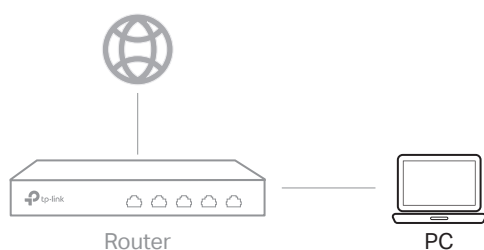
1. Connect a computer to a LAN port of the router with an RJ45 cable properly. If your computer is configured with a fixed IP, change it to **Obtain an IP address automatically**.

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 router. The guide can be found on the download center of our official website: https://www.tp-link.com/support/download/.

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

Type1: Via 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.

Omada Hardware Controller (OC200/OC300) — EAP — EAP — EAP — Router — Switch — Clients
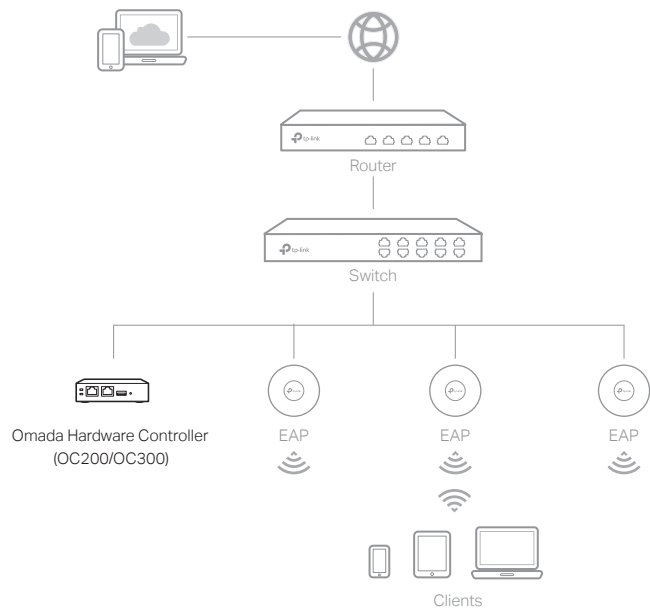
1. As Omada Hardware Controller gets its IP address from the DHCP server of the router, we don't know its IP address explicitly. However, we can find it out on the router's DHCP client list.
   a. You need first find the IP address of the router. Open the command line on your PC and enter **ipconfig**. 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. Create a username and password, and log into the router'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.

   [Download on the App Store] or [GET IT ON Google Play] [QR code] ➡ omada

   Scan for Omada App   Omada App

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.

Omada Software Controller running on the Host PC — EAP — EAP — EAP — Router — Switch — Clients
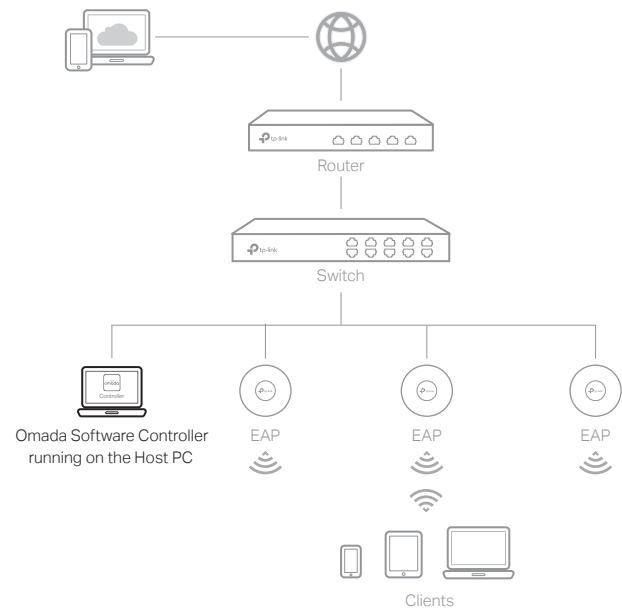
1. On the PC with Windows OS or Linux OS, download the Omada Software Controller installation file from https://www.tp-link.com/support/download/omada-software-controller/.

   Note: To download Omada Software Controller successfully, it is recommended to configure the router'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/.

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 and other information, please visit **https://www.tp-link.com/support**, or simply scan the QR code.

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.
- The plug on the power supply cord is used as the disconnect device, the socket-outlet shall be easily accessible.

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/.

EAC UK CA ♲ CE