

# Installation Guide

Multi-Gigabit VPN Gateway

Images may differ from the actual product.  
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## More Resources

Main Site	<a href="https://www.omadanetworks.com/">https://www.omadanetworks.com/</a>
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## Warranty

For details on the warranty period, policy, and procedures, visit <https://support.omadanetworks.com/warranty-services/>.

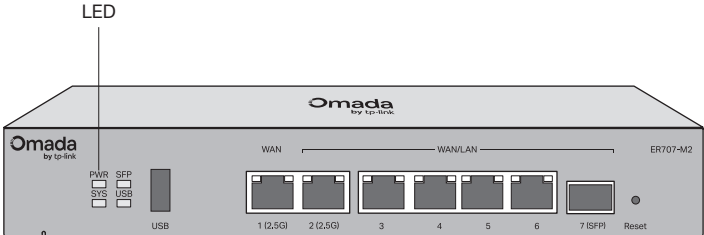
## Support

For technical support, user guides, and other information, please visit <https://support.omadanetworks.com/>, or simply scan the QR code.



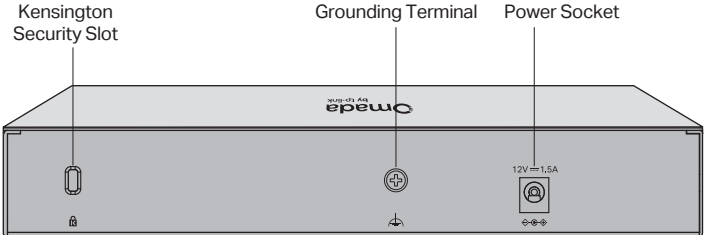
## 1 Hardware Overview

### Front Panel

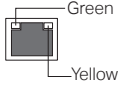


- Reset:** Press and hold the button for 5 seconds, the SYS LED will flash quickly, indicating the device is being reset to its factory default settings.

### Back Panel

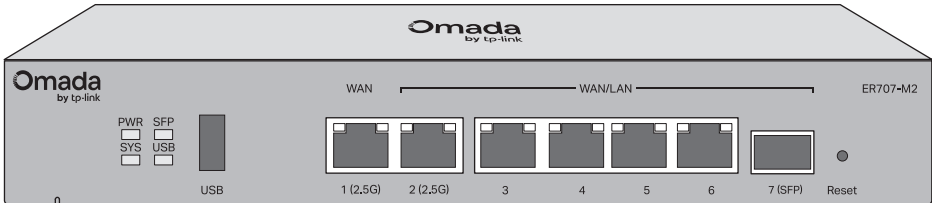


Interface	Description
USB	USB 2.0 for USB modem and USB storage device.
1 (2.5G)	2.5G RJ45 WAN port.
2 (2.5G)	2.5G RJ45 WAN/LAN port. By default, it is a LAN port connecting to local PCs or switches. You can configure it to a WAN port on the management page.
Port 3	Gigabit RJ45 WAN/LAN port. By default, it is a WAN port. You can configure it to a LAN port on the management page.
Ports 4-6	Gigabit RJ45 WAN/LAN ports. By default, they are LAN ports connecting to local PCs or switches. You can configure each port to a WAN port on the management page.
7 (SFP)	Gigabit SFP WAN/LAN port connecting to an SFP module. By default, it is a LAN port. You can configure it to a WAN port on the management page.
Kensington Security Slot	Secure the lock (not provided) into the security slot to prevent the device from being stolen.
Grounding Terminal	The gateway comes with a lightning protection mechanism.
Power Socket	Connect to the power outlet via the provided power adapter.

LED	Indication
PWR	On: Power is on. Off: Power is off.
SYS	<b>Slow Flashing:</b> System is running normally. <b>Quick Flashing:</b> The gateway is being reset. <b>On/Off:</b> System is starting up or running abnormally.
SFP	<b>On:</b> Running at 1000 Mbps without activity. <b>Off:</b> No device is linked to the corresponding port. <b>Flashing:</b> Running at 1000 Mbps, and transmitting or receiving data.
USB	<b>For USB Modem:</b> <b>Flashing:</b> A modem is connected, and it is initializing. <b>On:</b> The modem is loaded. <b>Off:</b> No modem is inserted, or it is corrupted or incompatible. <b>For USB Storage:</b> <b>On:</b> A USB storage device is inserted and identified. <b>Off:</b> No USB storage device is inserted, or it is corrupted or incompatible.
Link/Act 	<b>For 2.5G Port:</b> <b>Green On:</b> Running at 2.5 Gbps without activity. <b>Green Off:</b> No device is linked to the corresponding port. <b>Green Flashing:</b> Running at 2.5 Gbps, and transmitting or receiving data. <b>Yellow On:</b> Running at 1000/100/10 Mbps, but no activity. <b>Yellow Off:</b> No device is linked to the corresponding port. <b>Yellow Flashing:</b> Running at 1000/100/10 Mbps, and transmitting or receiving data. <b>For Gigabit Port:</b> <b>Green On:</b> Running at 1000 Mbps without activity. <b>Green Off:</b> No device is linked to the corresponding port. <b>Green Flashing:</b> Running at 1000 Mbps, and transmitting or receiving data. <b>Yellow On:</b> Running at 100/10 Mbps, but no activity. <b>Yellow Off:</b> No device is linked to the corresponding port. <b>Yellow Flashing:</b> Running at 100/10 Mbps, and transmitting or receiving data.

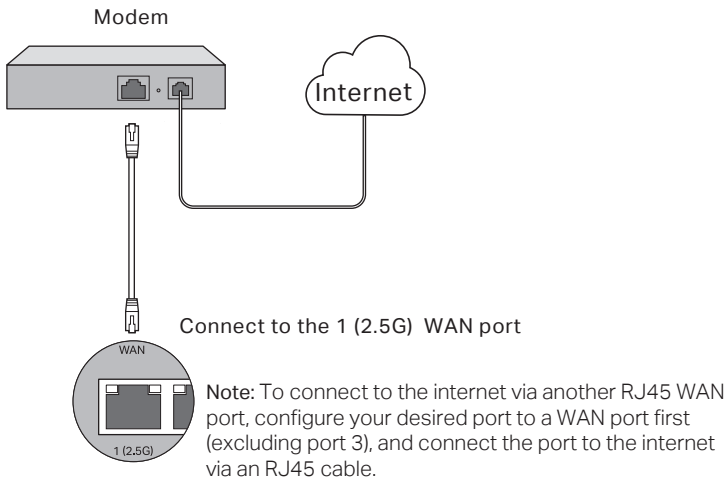
## 2 Hardware Connection

- Connect to the power source using the provided power adapter.



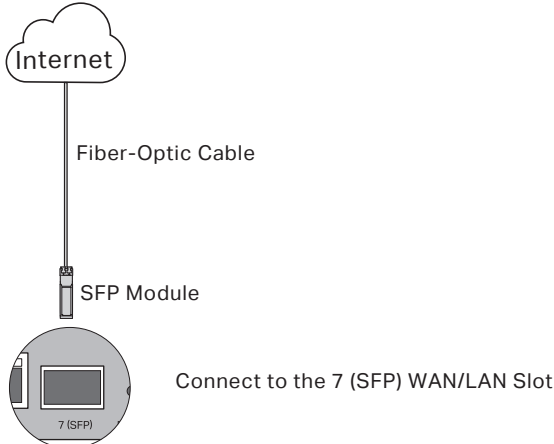
- Connect to the internet using one or multiple options.

### Option 1: Via Ethernet



### Option 2: Via Fiber

For internet connection via fiber network, refer to **FAQ-Q1** to configure the SFP port as a WAN port first, and connect the SFP port to the internet via an SFP module.



## 3 Software Configuration

The gateway supports two configuration options:

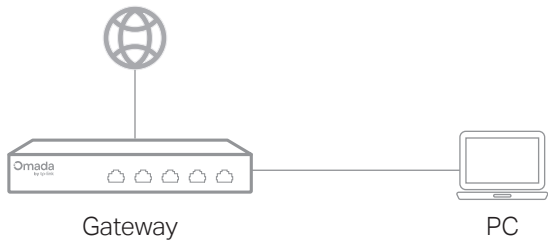
- Standalone Mode: Configure and manage the gateway by itself.
- Controller Mode: Configure and manage network devices centrally. This is recommended for large-scale networks, which consist of a large number of Omada devices such as access points, switches and gateways.

**Note:**

1. When the gateway is managed by a controller, configurations of the gateway will be overridden by the controller.
2. For detailed configurations, refer to the User Guide of the gateway and the controller. The guides can be found at <https://support.omadanetworks.com/document/>.

### Option 1: Standalone Mode

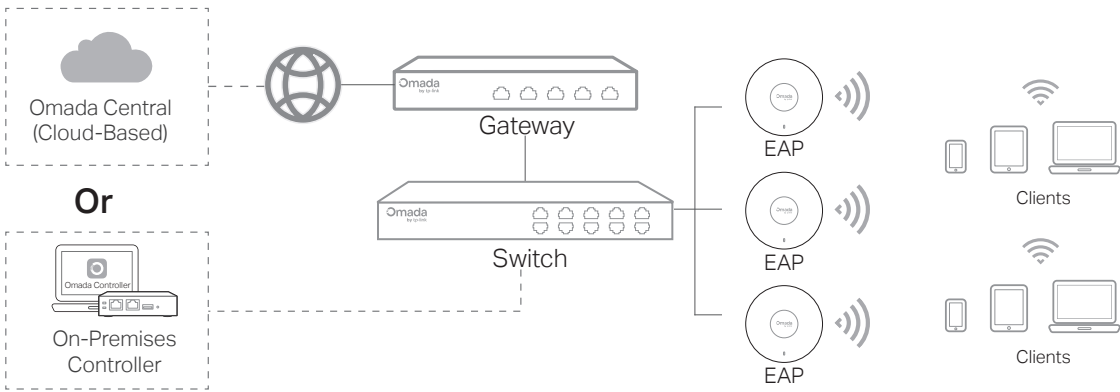
1. Connect a computer to a LAN port of the gateway with an RJ45 cable properly.  
**Note:** If your computer is configured with a fixed IP, change it to **Obtain an IP address automatically**.
2. Launch a web browser, enter <https://omadaer.net>, and then follow the web instructions to complete the quick setup.  
**Note:** Ensure that the ports you select as WAN ports align with the actual setup.



### Option 2: Controller Mode

**Note:** The Omada Controller must have network access to your Omada devices in order to find, adopt, and manage them.

To set up an Omada gateway with an Omada Controller, scan the QR code or refer to the Omada Controller configuration guide at <https://www.omadanetworks.com/support/faq/4096/>.



#### Omada App

With the TP-Link Omada app, you can access and manage your Omada devices at a local site or remotely with a tap of your phone. You can download and install the TP-Link Omada app from the App Store or Google Play.

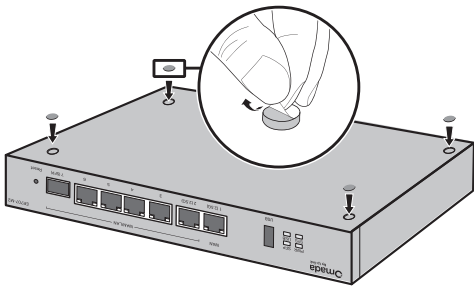


## 4 Installation

The gateway supports multiple mounting options. Choose the option according to your needs. For wall mounting and rack mounting, you need to purchase mounting accessories.

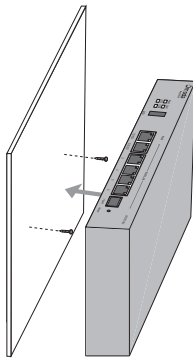
#### Option 1: Desktop Installation

1. Remove the adhesive covers from the rubber feet.
2. Turnover the device and attach the supplied rubber feet to the bottom of the device to prevent it from slipping when placed on a desktop.
3. Place the device on a flat table.

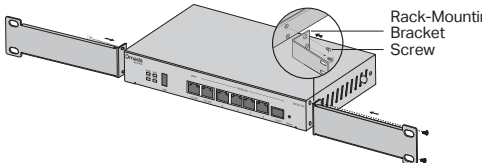
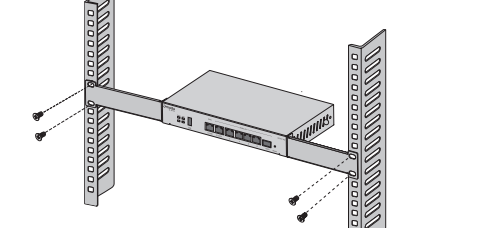


#### Option 2: Wall Mounting

1. Drill two holes on the wall according to the mounting holes on the bottom of the gateway.
2. Secure the gateway to the wall with two suitable screws (not provided).



#### Option 3: Rack Mounting

1. Secure the rack-mounting brackets (not provided) to each side of the device with screws.  

2. Use suitable screws (not provided) to secure the brackets to the rack.  


### 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 <https://omadaer.net>. 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 192.168.188.1, 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 **192.168.188.1**, and go to **Network > LAN > LAN**. In the **Network List** section, change the IP address **192.168.188.1** to **192.168.1.1**, and click **OK**.

#### 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 gateway is in compliance with the essential requirements and other relevant provisions of directives 2014/30/EU, 2014/35/EU, 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 gateway 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/>.

