Installation Guide

Gigabit VPN Gateway

Images may differ from the actual product.
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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.
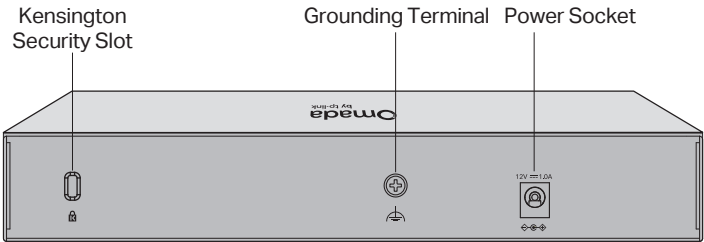
1 Hardware Overview

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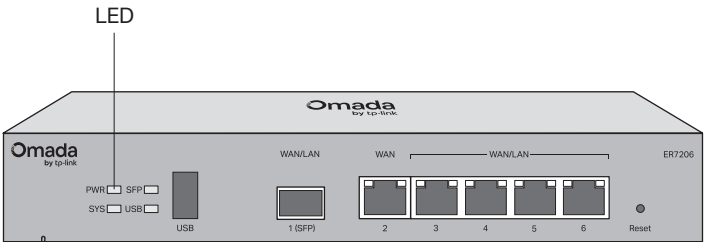
- **Reset:** Press and hold the button for 5 seconds, the SYS LED will flash quickly, indicating the device is being reset to its factory default settings.

Interface	Description
USB	USB 3.0 for USB modem and USB storage device.
SFP WAN/LAN	Gigabit SFP WAN/LAN port connecting to an SFP module. By default, it is a WAN port. You can configure it to a LAN port on the management page.
WAN	Gigabit RJ45 WAN port.
WAN/LAN (Ports 3-6)	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.
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. Connect to grounding facilities.
Power Socket	Connect to the power outlet via the provided power adapter.

▪ Back Panel

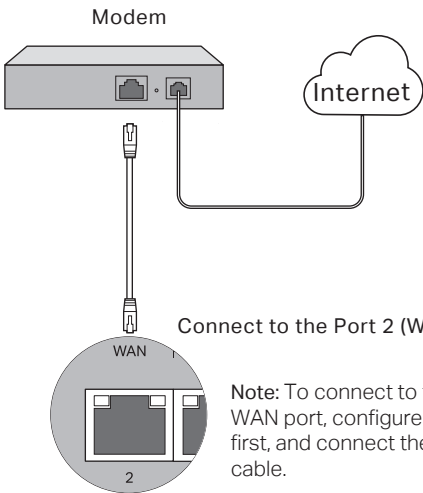| LED	Indication
PWR	On: Power is on. Off: Power is off.
SYS	Slow Flashing: System is running normally. Quick Flashing: The gateway is being reset. On/Off: System is starting up or running abnormally.
SFP	On: Running at 1000 Mbps, but no activity. Off: No device is linked to the corresponding port. Flashing: 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)	Green On: Running at 1000 Mbps, but no activity. Green Flashing: Running at 1000 Mbps, and transmitting or receiving data. Green Off: Not running at 1000 Mbps, or no device is connected to the corresponding port. Yellow On: Running at 100/10 Mbps, but no activity. Yellow Flashing: Running at 100/10 Mbps, and transmitting or receiving data. Yellow Off: Not running at 100/10 Mbps, or no device is connected to the corresponding port.

2 Hardware Connection

**1.** Connect to the power source using the provided power adapter.
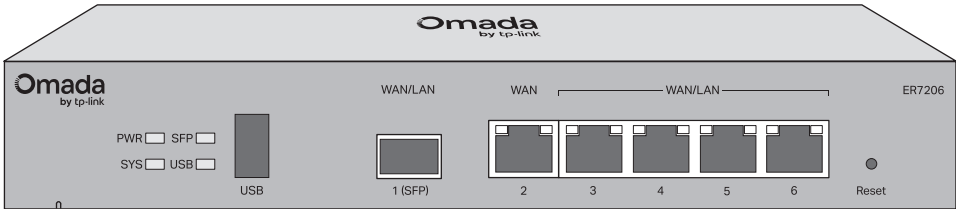
2. Connect to the internet using one or multiple options.

Option 1: Via Ethernet

Modem

Internet

Connect to the Port 2 (WAN port)

WAN

Note: To connect to the internet via another RJ45 WAN port, configure your desired port to a WAN port first, and connect the port to the internet via an RJ45 cable.

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.

Internet

Fiber-Optic Cable

SFP Module

WAN/LAN

Connect to the 1 (SFP) WAN/LAN Slot

1 (SFP)
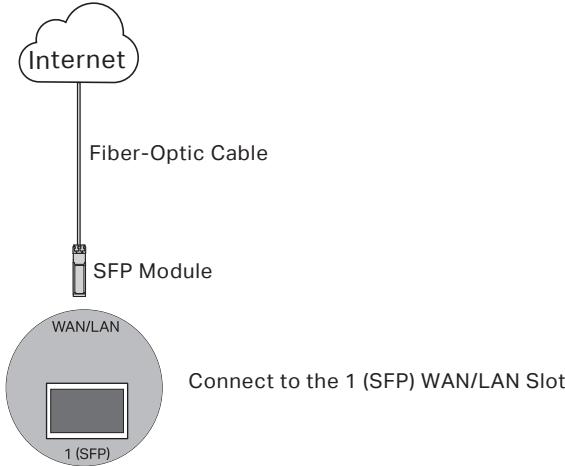
3 Software Configuration

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.
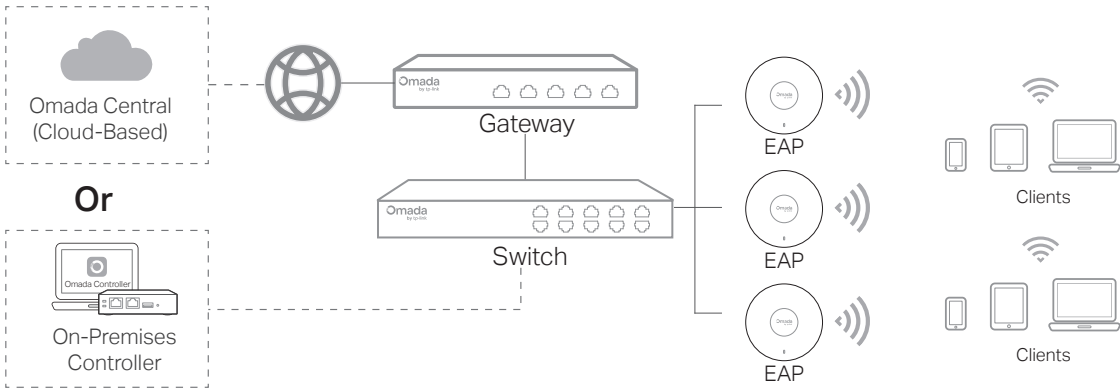
   Note: Ensure that the ports you select as WAN ports align with the actual setup.
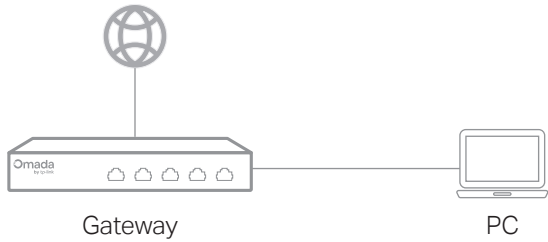
Gateway   PC

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/.

Scan for Controller
Configuration Guide

Omada Central
(Cloud-Based)

Or

On-Premises
Controller

Gateway

Switch

EAP

EAP

EAP

Clients

Clients

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.

Download on the App Store

GET IT ON Google Play

or

Scan for Omada App   Download Omada App

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.
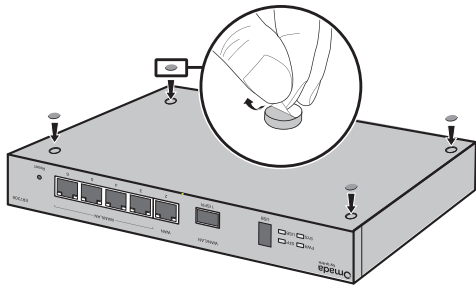
Option 2: Wall Mounting

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).
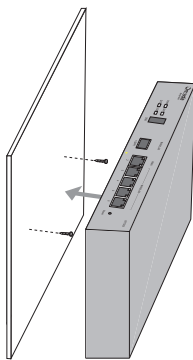
Option 3: Rack Mounting

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

Rack-Mounting
Bracket
Screw

2. Use suitable screws (not provided) to secure the brackets to the rack.
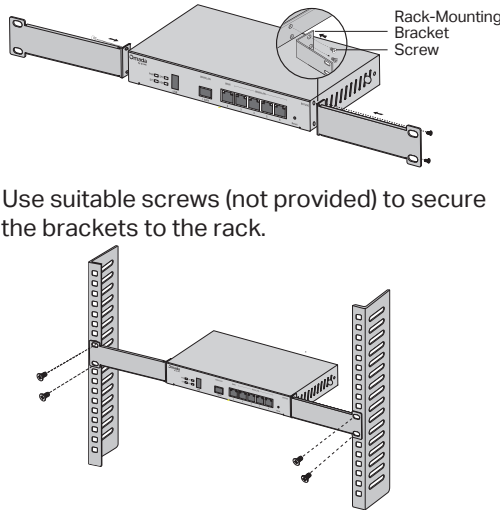
Frequently Asked Questions (FAQ)

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 Omada 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 the same as the default LAN IP address of Omada Gateway, follow the steps to change the LAN IP address of Omada Gateway:

1. Connect a computer to a LAN port of Omada Gateway. If your computer is configured with a fixed IP address, change it to **Obtain an IP address automatically**.

2. Log in to Omada Gateway's management page at https://omadaer.net, and go to **Network > LAN > LAN**. In the **Network List** section, change the IP address to a non-conflicting IP address, such as 192.168.1.1, and click **OK**.