Installation Guide

4G+ Cat6 Gigabit Rackmount DSL Gateway

Note: The image may differ from the actual product.

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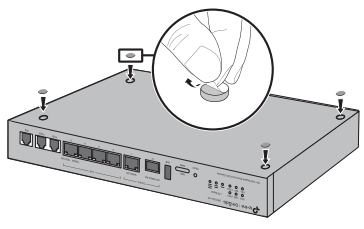
Installation

The gateway supports desktop installation and rack installation.

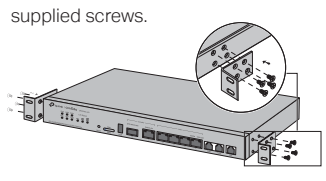
■ Desktop Installation:

Use the supplied rubber feet to the recessed areas on the bottom ateach corner of the device.

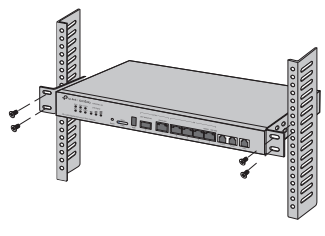


■ Rack installation:

a. Secure the supplied rack-mounting brackets to each side of the device with supplied screws.

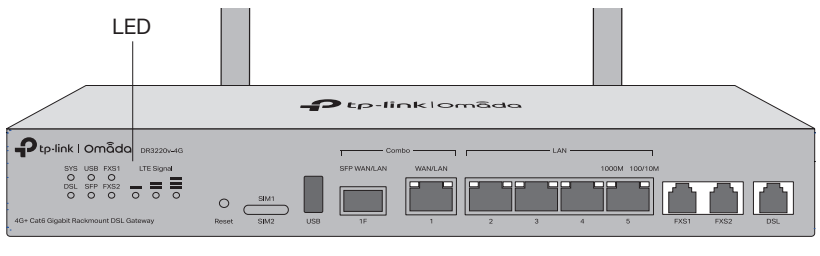


b. Use suitable screws (not provided) to secure the brackets to the rack.



1 Hardware Overview

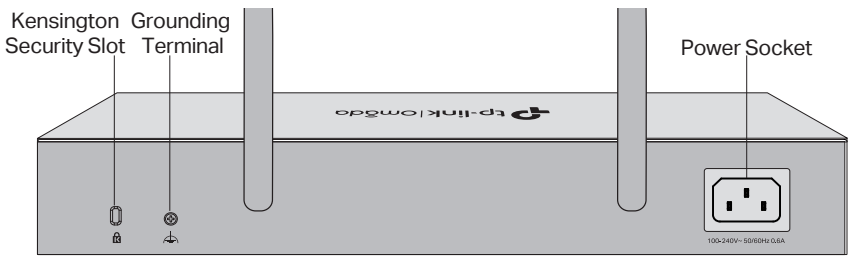
▪ Front Panel



- **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
SIM1/SIM2	The device supports two nano SIM cards, but only one is active for internet at a time while the other is used for network backup.
USB	USB 3.0 port for USB modem and USB storage device.
Combo	The **SFP WAN/LAN** port and the **WAN/LAN** port form the combo port. Only **one port** can be used at a time. By default, it is a WAN port. You can configure it to a LAN port on the management page.
LAN (Ports 2-5)	Gigabit RJ45 LAN port.
FXS1/FXS2	Connect to a phone to make and receive calls over the internet.
DSL	For connecting the gateway to the internet. Connect it directly to the phone jack.
Kensington Security Slot	Secure the lock (not provided) into the security slot to prevent the device from being stolen.
Grounding Terminal	The gateway already comes with lightning protection mechanism. For detailed lightning protection measures, refer to the Lightning Protection Guide: https://www.tp-link.com/us/configuration-guides/lightning_protection_guide/.
Power Socket	Connect to the power outlet via the provided power cord.

▪ Back Panel

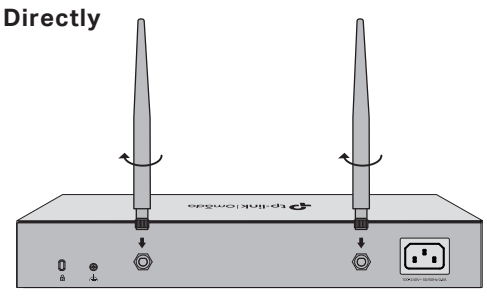


LED	Indication
SYS	**Slow Flashing:** System is running normally. **Quick Flashing:** The gateway is being reset. **On/Off:** System is starting up or running abnormally.
DSL	**On:** DSL synchronization is complete, and the device can access internet. **Flashing:** DSL synchronization is in progress. **Off:** DSL synchronization failed or the DSL port is not connected.
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.
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.
FXS1/FXS2	**On:** The phone is off-hook. **Flashing:** The phone is ringing. **Off:** The phone is on-hook.
LTE Signal (3 LEDs)	**Flashing:** Connecting to the 4G network. **On:** Indicates the signal strength the gateway received from the mobile internet. More bars indicate a better signal strength. **Off:** No mobile internet signal.
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.

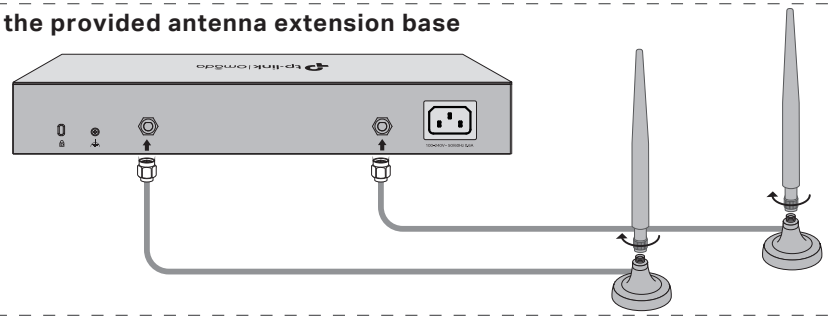
2 Hardware Connection

1. Attach the LTE antennas.

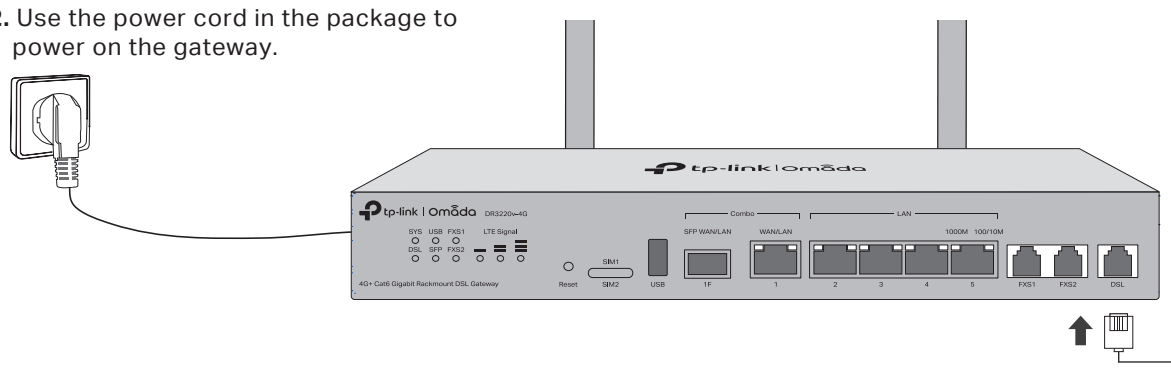
Option 1 Directly



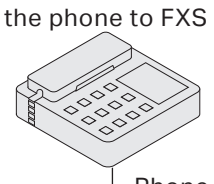
Option 2 Via the provided antenna extension base



2. Use the power cord in the package to power on the gateway.



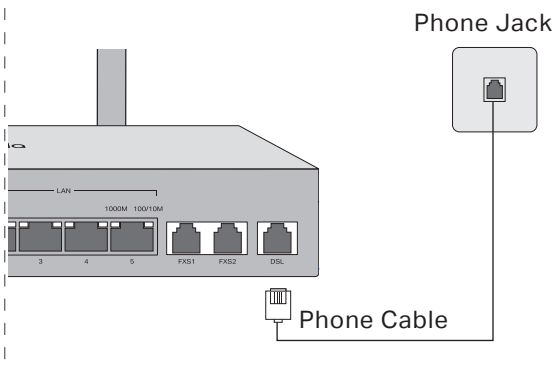
3. Connect the phone to FXS port.



4. Connect to the internet using one or multiple options.

Option 1 Connect to Internet via Phone Cable

Connect the DSL port to the phone jack via the phone cable.

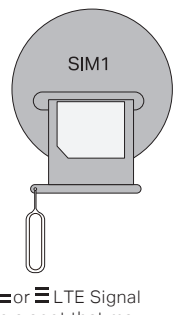


Option 2 Connect to Internet via 4G SIM card

You can insert two SIM cards, but only one is active for internet at a time while the other is used for network backup.

a. Insert the SIM-eject tool (or paperclip) into the small hole beside the SIM tray and push gently but firmly until the tray pops out.

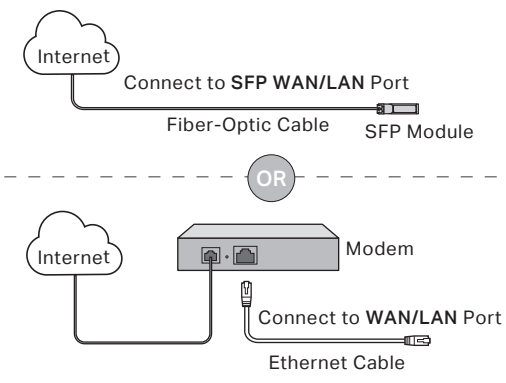
b. Put the nano-SIM card in the SIM slot on the tray with the contact area face down. Wait until the SYS LED flashes slowly and the LTE Signal LED turns solid, indicating the gateway is connected to the internet.



Note: For better internet connection, make sure ☰ or ☰ LTE Signal LED is lit. Otherwise, try relocating the gateway to a spot that may receive a stronger mobile network signal, such as near a window.

Option 3 Connect to Internet via Ethernet Cable/ Fiber Cable

The **SFP WAN/LAN** port and the **WAN/LAN** port form the combo port. Only **one port** can be used at a time.



3 Software Configuration

The gateway supports two configuration options:

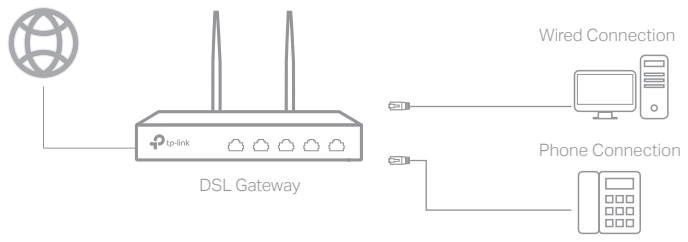
- Standalone Mode: Configure and manage the gateway by itself.
- Controller Mode: Configure and manage network devices centrally. It is recommended in large-scale networks, which consist of a large number of devices such as access points, switches, and gateways.

Note:

1. When the gateway is managed by a controller, configurations of the gateway will be overridden by the controller.
2. For the detailed configurations, refer to the User Guide of the gateway and the controller. The guides can be found on the download center of our official website: https://www.tp-link.com/support/download/.

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.

Note: Make sure the ports you select as WAN ports correspond to the real situation.

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**.

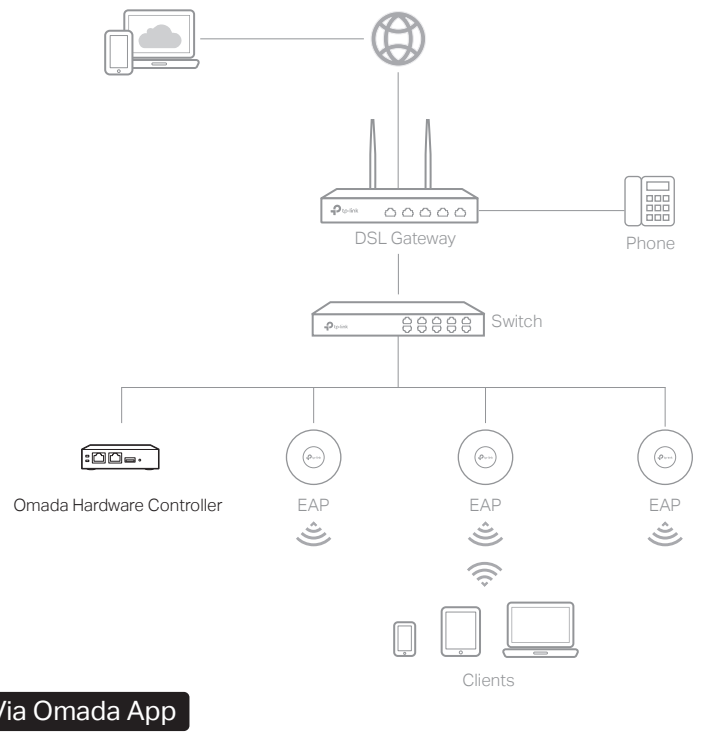
Option 2: Controller Mode

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

• Type 1: Via Omada Hardware Controller

The Omada Hardware Controller (e.g., OC200/OC300, purchased separately) is a good alternative if you have no spare PC to run the Omada Software Controller.

For more details, refer to the Installation Guide of your Omada Hardware Controller.



Via Omada App

1. Download the TP-Link Omada App on your mobile device. It can be downloaded from App Store or Google Play:

   Download on the App Store / GET IT ON Google Play or Scan for Omada App → Download Omada App

2. Launch your Omada App and configure the controller at a local site or remote site.

   Local Management

   a. Connect your mobile device to the gateway by using the default SSID printed on the label at the bottom of the product.

   b. Launch Omada App and go to **Local Access**, tap the **+** button on the upper-right corner to add the controller. Then you can further configure the network.

   Remote Management

   Note: Before you start, make sure that both your controller and mobile device can access the internet.

   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 Omada App and log in with your TP-Link ID. Then go to **Cloud Access**. Tap the **+** button on the upper-right to add your controller. Then you can further configure the network.

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 gateway.

Via Web Browser

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. Use a PC (make sure it is set to **Obtain an IP address automatically**) to 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 in to 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.

   Note: When configuring the gateway, make sure the ports you select as WAN ports correspond to the real situation.

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 network.
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.

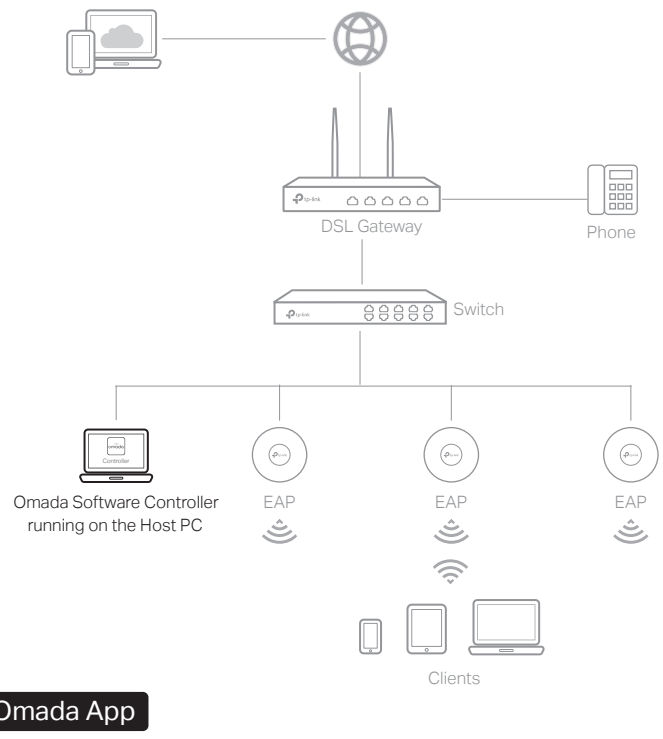
   b. Launch a web browser and enter **https://omada.tplinkcloud.com** in the address bar. Enter your TP-Link ID and password to log in. Click **+ Add Controller** and choose **Hardware Controller** to add your controller. Then you can further configure the network.

5. (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.

• Type 2: Via Omada Software Controller

The Omada Software Controller is free software for centralized management. To centrally manage your devices, the Omada Software Controller needs to continually run on your computer.



Via Omada App

1. Download the TP-Link Omada App on your mobile device. It can be downloaded from App Store or Google Play:

   Download on the App Store / GET IT ON Google Play or Scan for Omada App → Download Omada App

2. Launch your Omada App and configure the controller at a local site or remote site.

   Local Management

   a. Connect your mobile device to the gateway by using the default SSID printed on the label at the bottom of the product.

   b. Launch Omada App and go to **Local Access**, tap the **+** button on the upper-right corner to add the controller. Then you can further configure the network.

   Remote Management

   Note: Before you start, make sure that both your controller and mobile device can access the internet.

   a. Make sure that **Cloud Access** is enabled on your controller and your controller has been bound with your TP-Link ID.

   b. Launch Omada App and log in with your TP-Link ID. Then go to **Cloud Access**. A list of controllers that have been bound with your TP-Link ID will appear. Then you can further configure the network.

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 gateway.

Via Web Browser

1. On a 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 web management page of the gateway, 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.

   Note: When configuring the gateway, make sure the ports you select as WAN ports correspond to the real situation.

4. After the quick setup, the login page appears. 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 network.

5. (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.

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.
- Place the device with its bottom surface downward.
- The socket-outlet shall be installed near the equipment and shall be easily accessible.
- Plug the product into the wall outlets with earthing connection through the power supply cord.

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