

Installation Guide

4G+ Cat6 AX3000 Gigabit Desktop DSL Gateway

Images may differ from the actual product.

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More Resources

Main Site	https://www.omadanetworks.com/
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Warranty

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

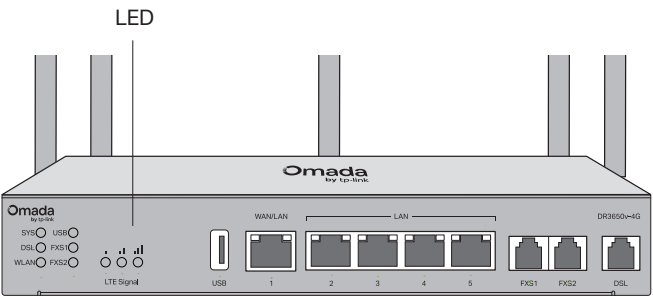
Support

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



1 Hardware Overview

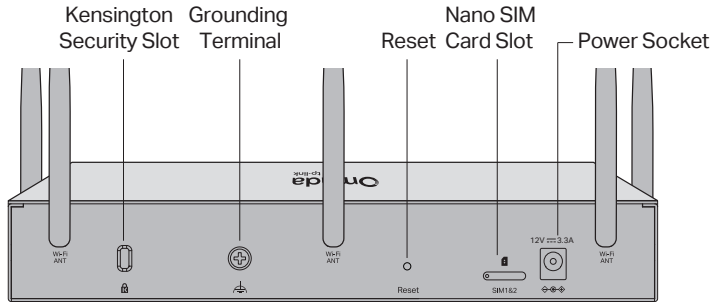
▪ Front Panel



- **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 port for USB modem and USB storage device.
WAN/LAN	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/ .
SIM1&2	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.
Power Socket	Connect to the power outlet via the provided power adapter.

▪ 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.
WLAN	On: Wireless networking is enabled. Off: Wireless networking is disabled.
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.
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 On: Running at 1000 Mbps without 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 without 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 Wi-Fi antennas and 4G antennas.

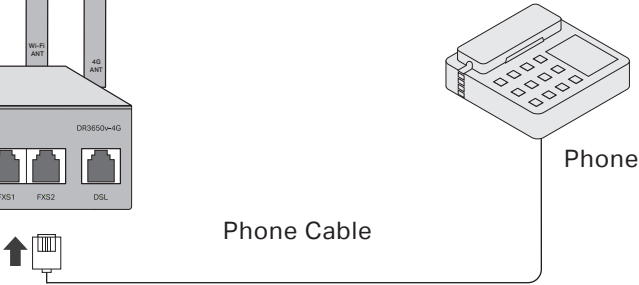
Antennas can be distinguished by their markings

Note: Make sure you attach the Wi-Fi antennas and 4G antennas to the correct connectors.

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



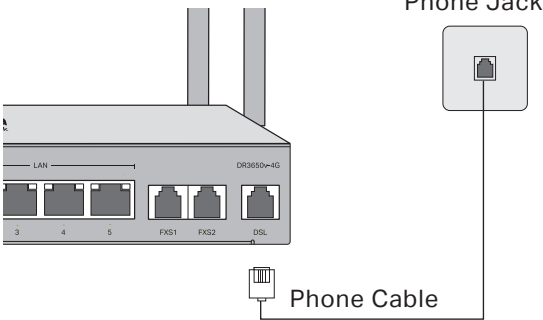
3. Connect the phone to FXS port.



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

Option 1 Connect to Internet via Phone Cable

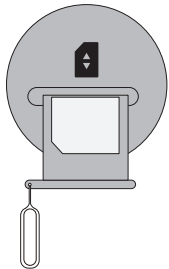
Connect the DSL port to the phone jack via the phone cable.



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.

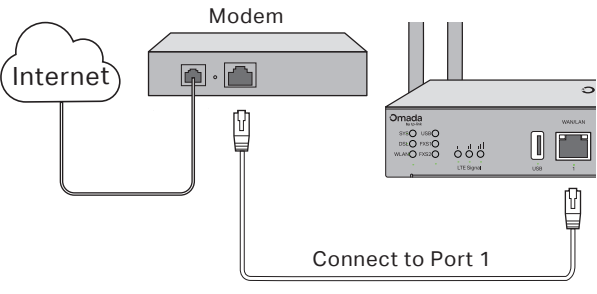
- a. Insert the SIM-eject tool (or paperclip) into the small hole beside the SIM tray and push gently but firmly until the tray pops out.
- b. Put the nano-SIM card in the SIM slot on the tray with the contact area face down. Wait until the SYS LED flashes slowly and the LTE Signal LED turns solid, indicating the gateway is connected to the internet.



Note: For better internet connection, make sure the 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

Connect the WAN/LAN port to the internet via the Ethernet cable.



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:

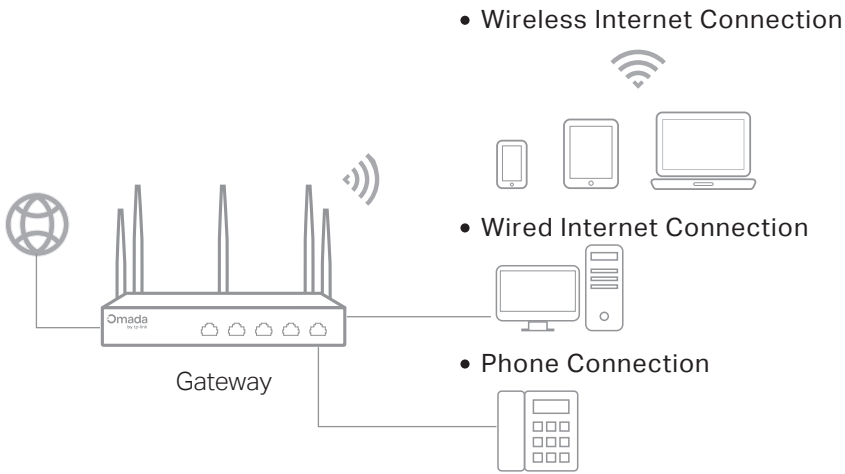
1. When the gateway is managed by a controller, configurations of the gateway will be overridden by the controller.
2. For detailed configurations, refer to the User Guide of the gateway and the controller. The guides can be found at <https://support.omadanetworks.com/document/>.

Option 1: Standalone Mode

1. Connect your device to the gateway with an Ethernet cable or wirelessly using the default SSID (network name) printed on the label at the bottom of the gateway.

Note: If your computer is configured with a fixed IP, change it to **Obtain an IP address automatically**.

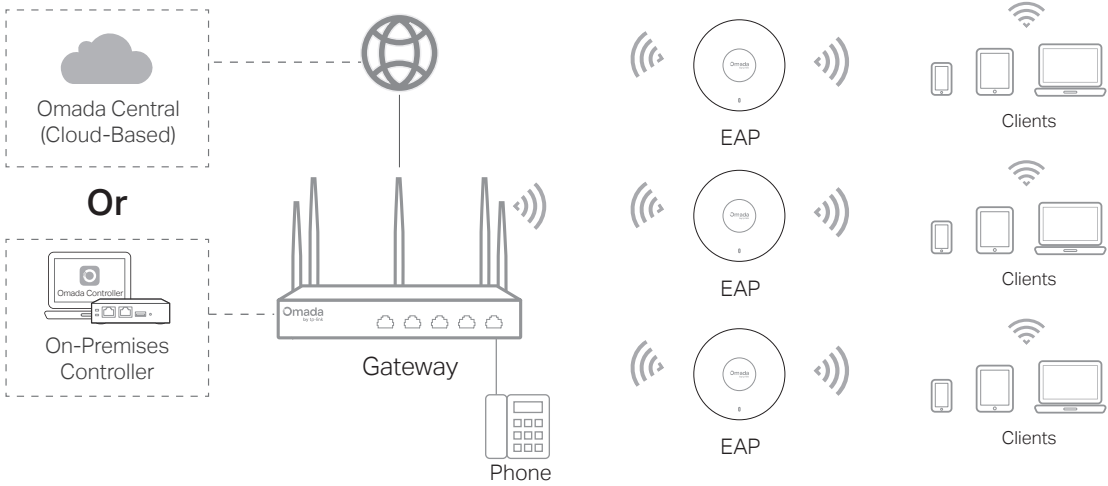
2. Launch a web browser, enter <https://omadaer.net>, and then follow the web instructions to complete the quick setup and the phone service.



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.

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.

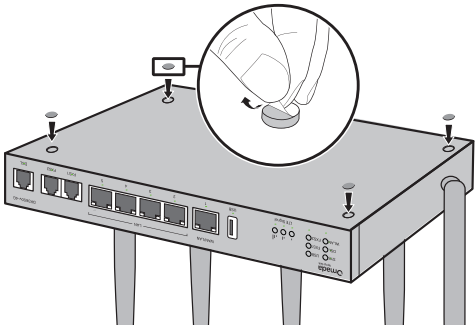


4 Installation

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.

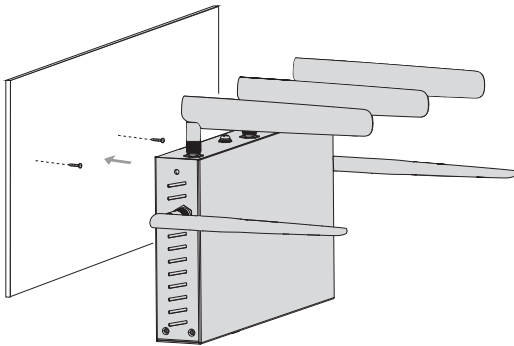
Option 1: Desktop Installation

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.



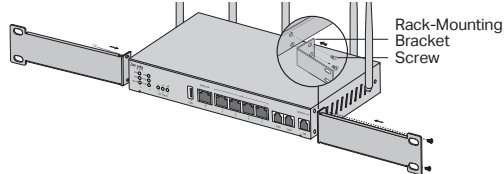
Option 2: Wall Mounting

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).

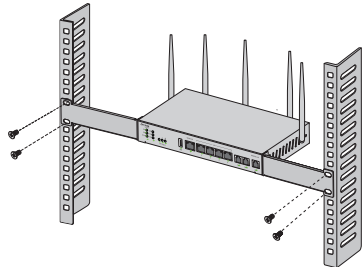


Option 3: Rack Mounting

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.



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.
- 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 2014/53/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 gateway 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/>.