tp-link OC400 Omada Hardware Controller

tp-link OC400 Omada Hardware Controller Installation Guide

Contents

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Specifications

- **Model:** Omada Hardware Controller OC400
- **Power Supply:** PWR1 and PWR2
- **LED Indicators:** PWR1, PWR2, FAN, CLOUD, USB1/USB2, SFP+ (Port 1-2), RJ45 (Port 3-6)

- **Interface:** USB1/USB2, Console, SFP+ (Port 1-2), Ethernet (Port 3-6), Kensington Security Slot, Power Socket, Grounding Terminal
- **Button:** Reset
- **Features:** Kensington Security Slot, Power Grounding Socket Terminal, Lightning Protection Mechanism

Hardware Overview

Front Panel

LED	Indication
PWR1*	On: The device is powered by PWR1. Off: PWR1 is disconnected or it works improperly, or the device is powered off.
PWR2	Green On: The device is powered by PWR2. Yellow On**: PWR2 are connected, but the device is powered by PWR1.* Off: PWR2 is disconnected or it works improperly, or the device is powered off.
FAN	Green On: The fan works properly. Yellow On: The fan works improperly.
CLOUD	On: The device is bound to a TP-Link ID. Slow Flashing: The device is connected to cloud but not bound to a TP-Link ID. Quick Flashing: The device is being reset to its factory settings. Off: The device is disconnected from cloud.
USB1/USB2	Green On: A USB storage device is inserted and identified. Off: No USB storage device is inserted, or it is corrupted or incompatible.
SFP+ (Port 1-2)	Green On: Running at 10 Gbps, but no activity. Green Flashing: Running at 10 Gbps and transmitting or receiving data. Yellow On: Running at 1000 Mbps, but no activity. Yellow Flashing: Running at 1000 Mbps and transmitting or receiving data. Off: No device is linked to the corresponding port.
RJ45 (Port 3-6)	Green On: Running at 1000 Mbps, but no activity. Green Flashing: Running at 1000 Mbps and transmitting or receiving data. Yellow On: Running at 100/10 Mbps, but no activity. Yellow Flashing: Running at 100/10 Mbps and transmitting or receiving data. Off: No device is linked to the corresponding port.
*PWR1 is the primary power supply and it takes priority over PWR2. **When both PWR1 and PWR2 work properly and the device is powered by PWR1, it takes 10-20 seconds for the LED PWR2 (yellow) to go out.	

Back Panel

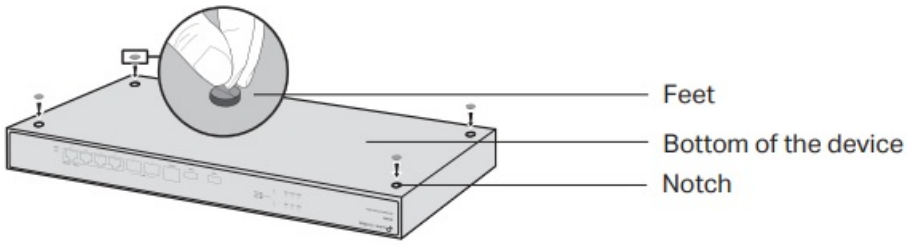
Interface	Description
USB1/USB2	USB 3.0 ports connecting to USB storage devices.
Console	Connect with a computer for monitoring the device.
SFP+ (Port 1-2)	SFP+ slot is designed to install the 10 Gbps SFP+ module.
Ethernet (Port 3-6)	RJ45 ports connecting to local PCs or switches.
Kensington ty Slot	Secure the lock (not provided) into the security slot to prevent the device from being stolen.
Power Socket	Connect to the power outlet via the provided power cord.
Grounding Terminal	The device comes with a lightning protection mechanism.

Button	Description
Reset	After the device is initialized, press and hold the button for 5s to reset the device to its factory default settings.

Hardware Installation

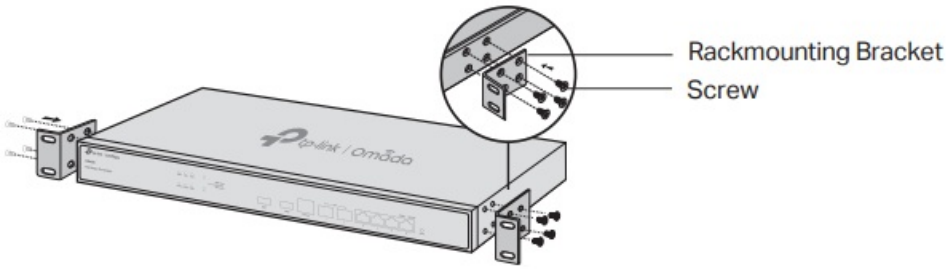
Desktop Installation

1. Set the device on a flat surface to support the entire weight of the device with all fittings.
2. Remove the adhesive backing papers from the supplied rubber feet.
3. Turn over the device and attach the rubber feet to the recessed areas on the bottom at each corner of the device.

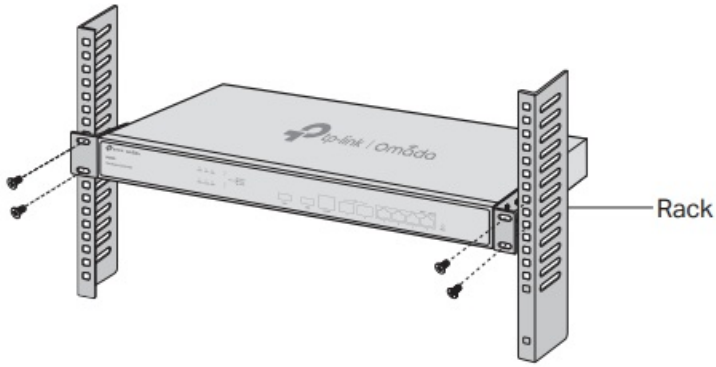


Rack Installation

1. Check the grounding and stability of the rack.
2. Secure the supplied rack-mounting brackets to each side of the device with supplied screws.

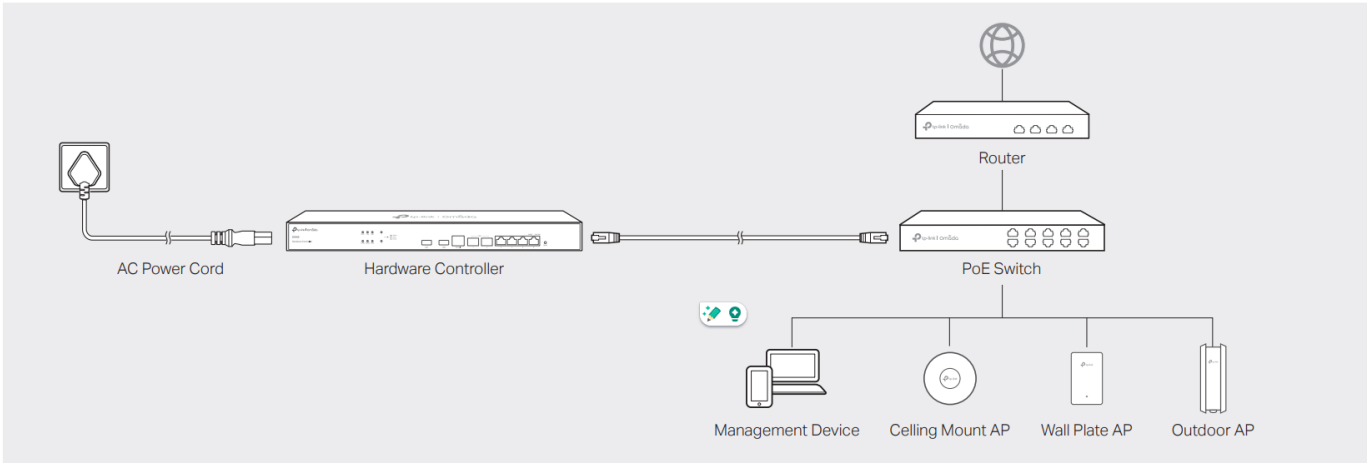


3. After the brackets are attached to the device, use suitable screws (not provided) to secure the brackets to the rack.



Hardware Connection

A DHCP server (typically a router) with DHCP function enabled is required to assign IP addresses to the EAPs and Hardware Controller in your local network.



Software Configuration

Remote Management

Configure and manage via cloud access.

Via Omada App

1. Make sure that your mobile device and Hardware Controller can access the internet.
2. Download the Omada app on your mobile device. It can be downloaded from the App Store or Google Play:

3. Launch the app and go to Cloud Access. Then log in with your TP-Link ID.
4. Tap the + button on the upper right to add your controller.
5. Follow the step-by-step instructions to complete the Quick Setup.

Via a Web Browser

1. Make sure that your management device and Hardware Controller can access the internet.
2. Launch a web browser and type https://omada.tplinkcloud.com in the address bar, then press Enter (Windows) or Return (Mac). **https://omada.tplinkcloud.com**
3. Enter your TP-Link ID and password to log in.
4. Click Controller on the left column, and then click + Add Controller and choose Hardware Controller to add your controller.
5. Click Let's Get Started and follow the step-by-step instructions to complete the configuration wizard.

Local Management

Configure and manage locally.

Via Omada App

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

2. Make sure that your mobile device and Hardware Controller are in the same subnet.
3. Launch the app and go to Local Access. Then tap the + button on the upper-right corner to add your controller.
4. Choose the auto-detected device or manually add your device by entering its IP address/URL and port number. Follow the step-by-step instructions to complete the Quick Setup.

Via a Web Browser

1. Make sure that your management device and Hardware Controller are in the same subnet.
2. Check the DHCP server (typically a router) for your controller's IP Address. The default fallback IP address is 192.168.0.253.
    - If you have downloaded the Omada app, you can also check the app for your controller's IP address.
    - The fallback IP address is used when the controller fails to get a dynamic IP address from the DHCP server.

3. launch a web browser and type your controller's IP address in the address bar, then press Enter (Windows) or Return (Mac). **https://<IP_address>**
4. Click Let's Get Started and follow the step-by-step instructions to complete the configuration wizard.

For detailed configurations, please visit **https://www.tp-link.com/support** to download the User Guide in the download center.

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.
- 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.

Caution: Shock hazard Disconnect all power sources

EU Declaration of Conformity

- TP-Link hereby declares that the device complies 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 device complies 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/**.

Note: OC400 is used as an example throughout the Guide. Images may differ from the actual product.

SCANNER

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.

FAQ

Frequently Asked Questions

- **Q: How do I know if my device is properly powered?**
  - A: Check the LED indicators PWR1 and PWR2. Green indicates power while yellow or off states may suggest improper power supply or device shutdown.
- **Q: What should I do if my USB storage device is not recognized?**
  - A: Ensure the USB storage device is properly inserted. If the LED remains off, try reinserting the device or check for compatibility issues.
- **Q: How can I secure my hardware controller from theft?**
  - A: Utilize the Kensington Security Slot by locking the device with a compatible lock to prevent unauthorized removal.

Documents / Resources

	tp-link OC400 Omada Hardware Controller [pdf] Installation Guide OC400 Omada Hardware Controller, OC400, Omada Hardware Controller, Hardware Controller, Controller

References

- TP-Link Community
- Omada Cloud
- CE Regulatory Compliance | TP-Link
- TP-Link Product Support - Wireless Networking Equipment Support
- Regulatory Compliance | TP-Link
- User Manual