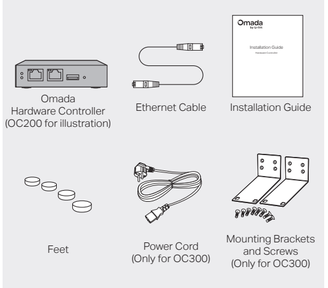
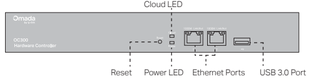
Thank you for purchasing Omada Hardware Controller. This Installation Guide is designed to guide you through installation.
Note: The image may differ from the actual product.

1 Package Contents

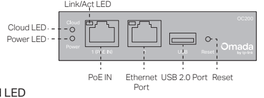


2 Hardware Overview

Front Panel of OC300



Front Panel of OC200/OC220(OC200 for illustration)



Cloud LED
On: The device is bound to a TP-Link ID.
Flashing Slowly: The device is connected to cloud but not bound to a TP-Link ID.
Flashing Quickly: The device is being reset to its factory default settings.
Off: The device is disconnected from cloud.

Power LED
On: Working normally.
Off: Working abnormally.

1000M (For OC300)
On: Running at 1000 Mbps.
Off: Running at 10/100 Mbps.

Link/Act
On: A device is linked to the corresponding port but no activity.
Flashing: Transmitting or receiving data.
Off: No device is linked to the corresponding port.

Ethernet Port
Connect to a device to transmit data.

1 (PoE IN) Port (For OC200/OC220)
Connect to a device to transmit data, or connect to a standard 802.3af/at PoE device (e.g., a TP-Link PoE switch) to transmit data and gain power supply simultaneously.

USB 2.0/3.0 Port
Connect to a storage device to back up the configuration file and database. For OC200/OC220, this port is available only when OC200/OC220 is powered by a PoE device.

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

Rear Panel of OC300

Rear Panel of OC200/OC220

Kensington Security Slot
Secure the lock (not provided) into the security slot to prevent the device from being stolen.

Grounding Terminal (For OC300)
The device comes with lightning protection mechanism. You can also ground the device through the PE (Protecting Earth) cable of AC cord or with Ground Cable.

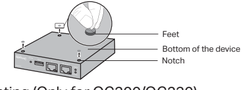
Power Socket (For OC300)
Connect the female connector of the power cord here, and the male connector to the AC power outlet (100-240V~50/60Hz).

Micro USB (For OC200/OC220)
Connect to a USB Power Source (5 VDC, minimum 1 A) for power supply if PoE is unavailable.

3 Installation

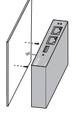
Desktop Installation

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 rubber feet.
3. Turnover the device and attach the supplied rubber feet to the recessed areas on the bottom at each corner of the device.



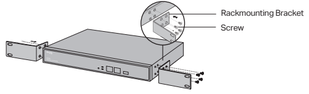
Wall Mounting (Only for OC200/OC220)

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

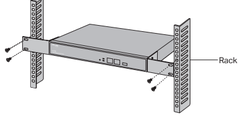


Rack Installation (Only for OC300)

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.

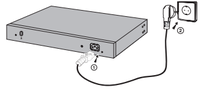


4 Power On

The Cloud LED flashes three times when initialization is finished.

For OC300

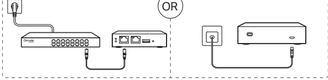
Connect to the power source via the provided power cord.



For OC200/OC220

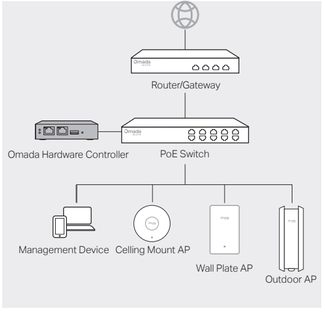
Via Standard PoE Device
Connect an Ethernet cable from the ETH1 (PoE IN) port to a standard 802.3af/at PoE device, such as a PoE switch.

Via USB Power Source
Connect a USB cable (not provided) from the micro USB port to the USB Power Source (5 VDC, minimum 1 A).



5 Typical Network Topology

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



6 Software Configurations

The Omada Hardware Controller supports two management options:

- Remote Management: configure and manage via cloud access
- Local Management: configure and manage locally

Remote Management

Via Omada App

1. Make sure that your mobile device and the 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:

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

3. Launch the app and go to **Controller Mode**. Then, log in with your TP-Link ID.
4. Tap the **+** button in the upper-right corner, select **On-Premises Controller** to add the controller, and follow the step-by-step instructions to complete the quick setup. Alternatively, you can add the controller by scanning the device key printed on the product label.

Via Web Browser

1. Make sure that your management device and the 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).

3. Enter your TP-Link ID and password to log in.
4. Click **On-Premise Systems**, then click **+ Add** and choose **Hardware Controller** to add your controller.
5. Follow the step-by-step instructions to complete the configuration wizard.

Local Management

Via Omada App

1. Download the Omada app on your mobile device. It can be downloaded 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

2. Make sure that your mobile device and the controller are on the same subnet.
3. Launch the app and go to **Controller Mode**. Then, tap the **+** button in the upper-right corner to add the 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 Web Browser

1. Make sure that your management device and the controller are on the same subnet.
2. Check the DHCP server (typically a router/gateway) for the 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 the controller's IP address.
   - The fallback IP address is used when the controller fails to obtain a dynamic IP from the DHCP server.
3. Launch a web browser and type the controller's IP address in the address bar, then press **Enter** (Windows) or **Return** (Mac).

4. Click **Let's Get Started** and follow the step-by-step instructions to complete the configuration wizard.

More Resources

Main Site	https://www.omadanetworks.com/
Video Center	https://support.omadanetworks.com/video/
Documents	https://support.omadanetworks.com/document/
Product Support	https://support.omadanetworks.com/product/
Technical Support	https://support.omadanetworks.com/contact-support/

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.

For OC200/OC220

TP-Link hereby declares that the hardware controller is in compliance with the essential requirements and other relevant provisions of directives 2014/30/EU, 2014/35/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/ce.

For OC300

TP-Link hereby declares that the hardware controller 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/ce.

TP-Link hereby declares that the hardware controller 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

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.
- The plug on the power supply cord is used as the disconnect device, the socket-outlet shall be easily accessible.
- Plug the product into the wall outlets with earthing connection through the power supply cord. (OC300)
- (For IN version) This equipment can be powered only by equipments that comply with Limited Power Source (LPS) defined in the standard of IEC 60950-1.
  (For other versions) This equipment can be powered only by equipments that comply with Power Source Class 2 (PS2) or Limited Power Source (LPS) defined in the standard of IEC 62368-1.

Omada by tp-link

Installation Guide

Hardware Controller

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