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

1 Package Contents


Omada
Hardware Controller

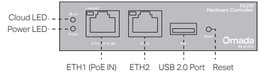

Ethernet Cable


Rubber Feet

Installation Guide

2 Hardware Overview

Front Panel



Cloud LED

On: The device is bound to a TP-Link ID.
Flashing Slowly: The device is connected to the 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 the cloud.

Power LED

On: Working normally.
Off: Working abnormally.

Link/Act

Solid Green: Running at 1000 Mbps, but no activity.
Flashing Green: Running at 1000 Mbps and transmitting or receiving data.
Solid Amber: Running at 100/10 Mbps, but no activity.
Flashing Amber: Running at 100/10 Mbps and transmitting or receiving data.
Off: No device is linked to the corresponding port.

ETH1 (PoE IN) Port

Connect to a standard 802.3af/at PoE device, such as a TP-Link PoE switch, for simultaneous data transmission and power supply.

ETH2 Port

Connect to a device to transmit data.

USB 2.0 Port

Connect to a storage device to back up the configuration file and database. This port is available only when the controller 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

Kensington Security Slot

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

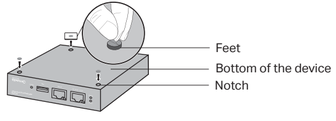
Micro USB

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

3 Installation

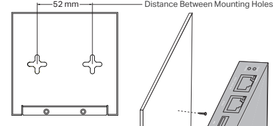
Desktop

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 to prevent it from slipping when placed on a desktop.

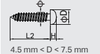


Wall Mounting

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).



Screw Specifications:

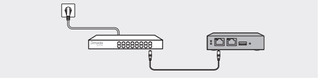


4.5 mm < D < 7.5 mm
H < 2.6 mm
L2 > 10 mm
d < 4 mm

4 Power On

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 TP-Link PoE switch. Make sure your power supply matches your device.



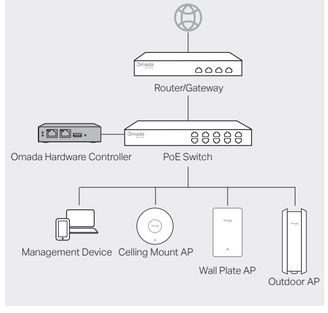
Via USB Power Source

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

The Cloud LED flashes three times when initialization is finished.

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 OC220 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 OC220 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 **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 OC220, 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 OC220 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:

2. Make sure that your mobile device and OC220 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 OC220.
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 OC220 are on the same subnet.
2. Check the DHCP server (typically a router) for OC220'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 OC220's IP address.
   - The fallback IP address is used when OC220 fails to obtain a dynamic IP from the DHCP server.
3. Launch a web browser and type OC220'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.

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.
- The power source should meet PS2 and other requirements according to IEC 62368-1.

Omada by tp-link

Installation Guide

Omada Hardware Controller