

TP-Link EAP772-Outdoor

TP-Link Omada EAP772-Outdoor WiFi 7 BE11000 Access Point

INSTRUCTION MANUAL

1. Product Overview

The TP-Link Omada EAP772-Outdoor is a high-performance, weatherproof WiFi 7 Tri-Band Access Point designed for outdoor environments. It provides robust wireless connectivity with support for the latest Wi-Fi 7 standard, including the 6GHz band, and integrates seamlessly into the Omada Software Defined Networking (SDN) platform for centralized management.

Key features include:

- Tri-Band Six-Stream WiFi 7 (802.11be) for high-speed wireless connectivity.
- IP68 Weatherproof Enclosure for outdoor durability.
- 2.5 Gigabit Ethernet Port with Power over Ethernet (PoE+) support.
- Integrated into Omada SDN for cloud-based or on-premises management.
- Omni-directional coverage with Automatic Frequency Coordination (AFC) for 6GHz band.

2. Package Contents

Verify that your package contains the following items:

- TP-Link Omada EAP772-Outdoor Access Point Body
- PoE Injector
- Mounting Kit (Pole/Wall Mount Straps and Screws)
- Installation Guide

3. Physical Components

Familiarize yourself with the physical aspects of the EAP772-Outdoor Access Point.



Figure 3.1: Front view of the EAP772-Outdoor Access Point, showing the TP-Link Omada logo and status LED.



Figure 3.2: Bottom view of the access point, featuring the Reset button, 2.5G Ethernet port (PoE+), and grounding terminal.

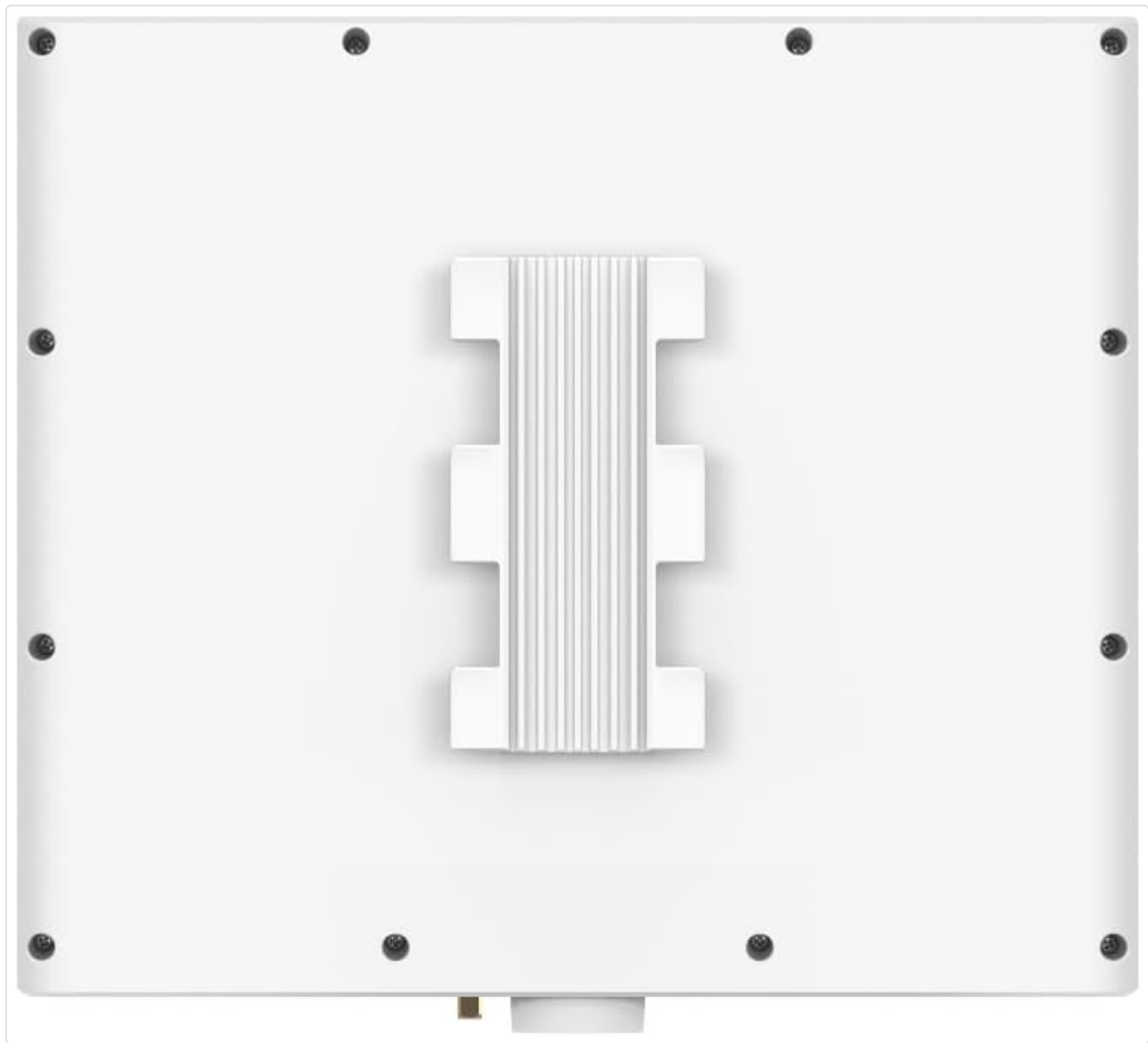


Figure 3.3: Product label displaying model number (EAP772-Outdoor), default access credentials, and regulatory information.

LED Indicator:

- **Solid Green:** Device is operating normally.
- **Flashing Green:** Device is booting up or being reset.
- **Solid Amber:** Device is experiencing an error or issue.

Ports and Buttons:

- **2.5G Ethernet Port (PoE+):** Connects to a PoE+ switch or the provided PoE injector for both data and power.
- **Reset Button:** Press and hold for approximately 8 seconds to restore factory default settings.
- **Grounding Terminal:** For connecting a grounding wire to protect against electrical surges.

4. Setup and Installation

The EAP772-Outdoor is designed for flexible outdoor deployment. Ensure proper grounding and weatherproofing during installation.

4.1 Mounting the Access Point

The device supports both pole and wall mounting. Choose a location that provides optimal Wi-Fi coverage and is accessible for cabling.



Figure 4.1: Example of pole mounting using the included straps. Ensure the device is securely fastened and oriented correctly for optimal signal.

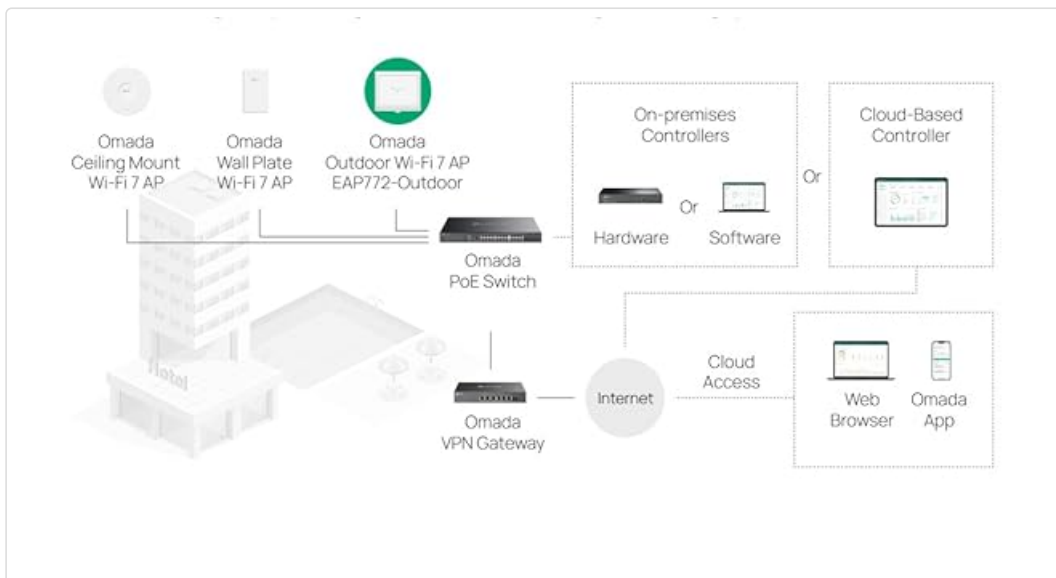


Figure 4.2: Example of wall mounting. Use the provided screws and anchors to secure the mounting bracket to a solid surface.

4.2 Powering the Device

The EAP772-Outdoor is powered via Power over Ethernet (PoE+). Connect an Ethernet cable from the 2.5G Ethernet port on the access point to a PoE+ switch or the provided PoE injector. Ensure the PoE source meets the 802.3at standard.

4.3 Initial Configuration

The EAP772-Outdoor can be managed via the Omada SDN Controller (recommended for multiple devices) or in standalone mode.

- **Omada SDN Controller:** For centralized management, connect the EAP to a network with an Omada Controller (hardware or software). The controller will discover and allow adoption of the EAP. Refer to the Omada Controller's user manual for detailed setup.
- **Standalone Mode:** For single device management, connect a computer to the same network as the EAP. Access the EAP's web interface via its default IP address (check the product label or your network's DHCP server for the assigned IP). Default login credentials are provided on the product label.

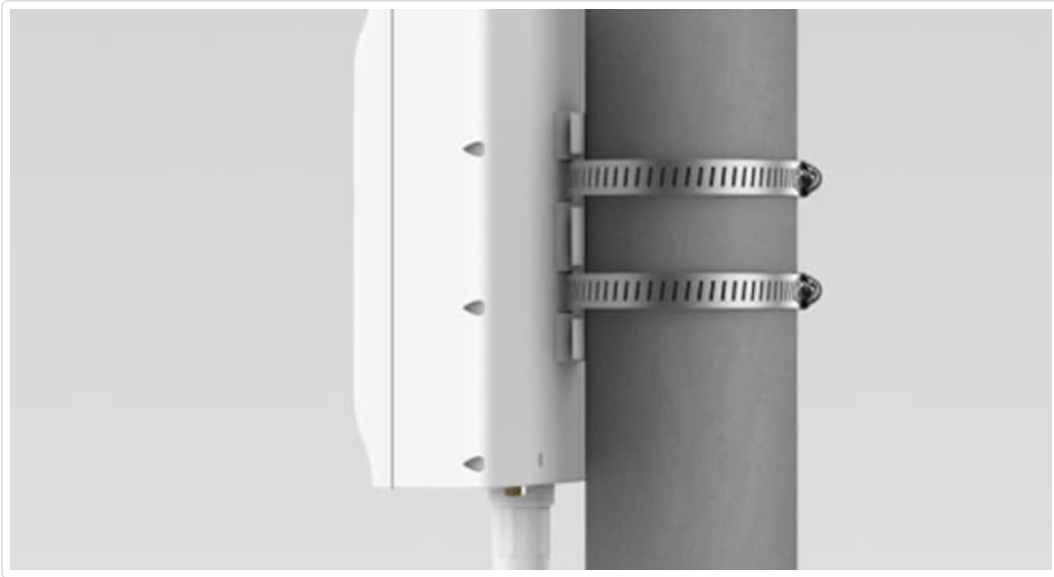


Figure 4.3: Diagram illustrating the integration of the EAP772-Outdoor into an Omada SDN network, managed by either an on-premises or cloud-based controller.

5. Operating the Access Point

Once configured, the EAP772-Outdoor will broadcast Wi-Fi networks according to your settings. Devices can connect to these networks using the configured SSIDs and passwords.

5.1 Connecting to Wi-Fi

On your wireless device (smartphone, laptop, tablet), scan for available Wi-Fi networks. Select the SSID broadcast by your EAP772-Outdoor and enter the password if required. The device supports Tri-Band operation (2.4 GHz, 5 GHz, and 6 GHz) for optimized performance across various client devices.



Figure 5.1: Illustration of Wi-Fi coverage provided by the access point, highlighting the distinct ranges of the 2.4 GHz, 5 GHz, and 6 GHz frequency bands.

5.2 Omada SDN Management

For advanced features, monitoring, and management of multiple EAPs, use the Omada SDN Controller. This platform allows for centralized control, guest network setup, captive portal, seamless roaming, and more. Access the controller via a web browser or the Omada app.

6. Maintenance

Regular maintenance ensures optimal performance and longevity of your access point.

- **Firmware Updates:** Periodically check the TP-Link website or your Omada Controller for firmware updates. Keeping the firmware current ensures access to the latest features, security patches, and performance improvements.
- **Cleaning:** Gently wipe the exterior of the device with a soft, dry cloth. Do not use liquid cleaners or aerosols. Ensure all port covers are securely closed to maintain IP68 weatherproofing.
- **Environmental Considerations:** While IP68 rated, avoid direct exposure to extreme conditions beyond its operating specifications. Ensure proper ventilation if installed in an enclosed space (though designed for outdoor use, extreme heat can still impact performance).

7. Troubleshooting

If you encounter issues with your EAP772-Outdoor, refer to the following common troubleshooting steps.

- **No Power/LED Off:**
 - Ensure the Ethernet cable is securely connected to both the EAP and the PoE+ source.
 - Verify that the PoE+ injector or switch is powered on and functioning correctly.
 - Check the Ethernet cable for damage.
- **No Wi-Fi Signal:**
 - Confirm the EAP's LED is solid green, indicating normal operation.
 - Check your Omada Controller or standalone settings to ensure Wi-Fi is enabled and SSIDs are broadcasting.
 - Verify that the EAP is adopted by the Omada Controller if in SDN mode.
- **Slow Wi-Fi Speed:**
 - Check for network congestion or interference.
 - Ensure client devices are compatible with Wi-Fi 7 or the highest supported standard for optimal performance.
 - Verify the EAP's uplink connection speed to the network.
 - Consider adjusting channel settings in the Omada Controller to avoid interference.
- **Cannot Access Web Management Interface:**
 - Ensure your computer is on the same network segment as the EAP.
 - Verify the EAP's IP address. If using DHCP, check your router's client list.
 - If the EAP is managed by an Omada Controller, its local web interface might be disabled. Access it through the controller.
- **Factory Reset:** If issues persist, a factory reset can resolve many configuration-related problems. With the device powered on, press and hold the Reset button (located on the bottom) for approximately 8 seconds until the LED flashes. The device will restart with default settings.

8. Specifications

Feature	Detail
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Feature	Detail
Model Name	EAP772-Outdoor
Brand	TP-Link
Wireless Type	802.11be (WiFi 7)
Frequency Band Class	Tri-Band (2.4 GHz, 5 GHz, 6 GHz)
Connectivity Technology	Wi-Fi, Ethernet
Ethernet Port	1x 2.5 Gigabit Ethernet (PoE+)
Power Supply	802.3at PoE+
Special Feature	IP68 Weatherproof Enclosure
Item Weight	4.36 pounds
Package Dimensions	12.8 x 9.69 x 4.02 inches
Color	White
Included Components	Access Point Body, PoE Injector

9. Warranty Information

TP-Link products are covered by a limited warranty. The specific terms and duration of the warranty may vary by region and product type. Please refer to the official TP-Link website or the warranty card included with your product for detailed warranty information.

Keep your purchase receipt as proof of purchase for warranty claims.

10. Technical Support

For technical assistance, additional resources, or to download the latest firmware and software, please visit the official TP-Link support website:

www.tp-link.com/support

You can also find FAQs, troubleshooting guides, and community forums on the support page.