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TP-Link EAP225

TP-Link AC1200 Wireless Wi-Fi Access Point (EAP225) User Manual

Model: EAP225

1. INTRODUCTION

The TP-Link AC1200 Wireless Wi-Fi Access Point (EAP225) is a high-performance device designed to provide reliable and fast wireless connectivity. Featuring 802.11ac 2x2 MIMO technology, it supports dual-band operation with speeds up to 300Mbps on 2.4GHz and 867Mbps on 5GHz. This access point is ideal for business environments requiring robust Wi-Fi coverage and centralized management.

Key features include Power over Ethernet (PoE) support for flexible installation, Band Steering to optimize client connections, and a Captive Portal for secure guest authentication. The EAP225 can be managed easily using the free TP-Link Omada Controller software, allowing for efficient management of multiple EAPs from a single location.

2. PACKAGE CONTENTS

Verify that all items are present in your package. If any item is missing or damaged, please contact your retailer.



Figure 2.1: Package Contents. This image displays the TP-Link EAP225 access point, its power adapter, mounting kits, and the quick installation guide, all included in the product packaging.

- AC1200 Wireless Dual Band Gigabit Access Point (EAP225)
- Power Adapter (12VDC, 1.5A)
- Mounting Kits (for ceiling/wall mounting)
- Installation Guide

3. PHYSICAL OVERVIEW

The EAP225 features a sleek, low-profile design suitable for ceiling or wall mounting. It includes internal omni-directional antennas and a Gigabit Ethernet port for network connectivity and Power over Ethernet (PoE).



Figure 3.1: Front View of EAP225. This image shows the top-down view of the TP-Link EAP225 access point, highlighting its white, ribbed casing and the small green LED indicator on the front edge.



Figure 3.2: Bottom View of EAP225. This image displays the underside of the TP-Link EAP225, revealing the Gigabit Ethernet (RJ-45) port,

the power input, and the various mounting slots and Kensington lock slot.

LED Indicator

- **Green:** Device is operating normally.
- **Flashing Green:** Device is starting up or firmware is being updated.
- **Off:** Device is powered off or the LED has been disabled via software.

Ports

- **Gigabit Ethernet (RJ-45) Port:** Supports IEEE 802.3af PoE for power and data transmission.
- **Power Input:** For use with the included power adapter when PoE is not available.

4. SETUP

This section guides you through the physical installation and initial power-up of your EAP225.

4.1 Mounting the Access Point

The EAP225 is designed for flexible deployment and can be mounted on a ceiling or wall using the provided mounting kits. Refer to the detailed instructions in the included Installation Guide for specific steps.

4.2 Powering the Device

The EAP225 can be powered in two ways:

- **Power over Ethernet (PoE):** Connect the Gigabit Ethernet port to a PoE-enabled switch (802.3af/802.3at PoE+) or a Gigabit PoE Adapter. This method simplifies installation by delivering both power and data over a single Ethernet cable.
- **Power Adapter:** If PoE is not available, connect the included 12VDC, 1.5A power adapter to the power input port on the EAP225 and plug it into a standard electrical outlet.

4.3 Network Connection

Connect the EAP225's Gigabit Ethernet port to your network's router or switch. Ensure the network connection is active and provides internet access if desired.

5. CONFIGURATION AND OPERATION

The EAP225 can be configured and managed using the TP-Link Omada Controller software or via its web-based management interface.

5.1 Using TP-Link Omada Controller Software

The Omada Controller software provides centralized management for hundreds of EAPs. It allows for easy setup, monitoring, and configuration of your wireless network. Download the latest version of the Omada Controller software from the official TP-Link website.

1. Install the Omada Controller software on a computer within the same network as your EAP225.
2. Launch the software and follow the on-screen instructions to discover and adopt your EAP225.
3. Configure your Wi-Fi settings, including SSIDs (network names), security protocols (WPA2-PSK recommended), and passwords for both 2.4GHz and 5GHz bands.

5.2 Web-based Management Interface (Standalone Mode)

For single EAP deployments or initial setup, you can access the web-based management interface directly.

1. Connect your computer to the same network as the EAP225.
2. Find the IP address assigned to the EAP225 (e.g., via your router's DHCP client list or using a network scanner).
3. Open a web browser and enter the EAP225's IP address.
4. Log in using the default username and password (typically 'admin' for both, you will be prompted to change them).
5. Navigate through the interface to configure wireless settings, network parameters, and other advanced features.

5.3 Key Operational Features

- **Dual-Band Wi-Fi:** The EAP225 operates on both 2.4GHz and 5GHz frequencies, providing flexibility for various devices and applications. The 5GHz band offers faster speeds and less interference, while 2.4GHz provides wider coverage.
- **Band Steering:** Automatically directs dual-band capable devices to the less congested 5GHz band, optimizing network performance and ensuring faster connections.
- **Captive Portal:** Provides a secure and customizable authentication method for guest users, requiring them to agree to terms of use or enter credentials before accessing the network.
- **Multiple SSIDs:** Create multiple wireless networks (SSIDs) for different user groups (e.g., employees, guests) with separate security settings.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your EAP225.

- **Firmware Updates:** Periodically check the TP-Link official website for the latest firmware versions. Updating the firmware can improve performance, add new features, and fix bugs.
- **Cleaning:** Gently clean the exterior of the access point with a soft, dry cloth. Do not use liquid or aerosol cleaners.
- **Environmental Conditions:** Ensure the device is operated within its specified temperature and humidity ranges to prevent damage.
- **Restarting:** If the device experiences issues, a simple restart (power cycle) can often resolve minor problems.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your EAP225.

7.1 No Power/LED Off

- Verify the power adapter is securely connected to the EAP225 and a working power outlet.
- If using PoE, ensure the PoE switch or injector is powered on and the Ethernet cable is properly connected.
- Check if the LED indicator has been intentionally disabled in the Omada Controller software or web interface.

7.2 No Wireless Signal

- Ensure the EAP225 is powered on and the LED indicator is green.
- Check the wireless settings in the Omada Controller or web interface to ensure Wi-Fi is enabled and SSIDs are broadcasting.
- Verify that your client devices are within the range of the access point.
- Check for any physical obstructions or sources of interference.

7.3 Cannot Access Management Interface

- Ensure your computer is on the same network segment as the EAP225.
- Verify the IP address of the EAP225. If it's set to DHCP, check your router's DHCP client list.
- Try clearing your browser's cache or using a different browser.
- If you forgot the login credentials, you may need to perform a factory reset (refer to the Installation Guide for reset instructions).

8. SPECIFICATIONS

Feature	Description
Wireless Type	802.11a, 802.11ac, 802.11b, 802.11g, 802.11n
Wireless Speed	AC1200 (300Mbps at 2.4GHz, 867Mbps at 5GHz)
MIMO Technology	2x2 MIMO
Antennas	4 Internal Omni Antennas, 4 dB each
Ethernet Port	1x Gigabit Ethernet (RJ-45) Port (supports IEEE 802.3af PoE)
Power Consumption	Max. 10.15W
Power Supply	802.3af/802.3at PoE+ or 12VDC, 1.5A Power Supply
Mounting	Ceiling/Wall Mounting (Kits included)
Dimensions (LxWxH)	7.1 x 1.9 x 7.1 inches (180 x 47.5 x 180 mm)
Operating System Compatibility	Windows 10, Windows Vista, Windows XP (for Omada Controller)
Color	White
Kensington Lock Slot	Yes

9. WARRANTY AND SUPPORT

TP-Link provides comprehensive support for its products.

9.1 Warranty Information

The TP-Link EAP225 comes with a LIMITED LIFETIME WARRANTY. Please refer to the official TP-Link website or the warranty card included with your product for detailed terms and conditions.

9.2 Technical Support

TP-Link offers 24/7 Technical Support. For assistance with setup, configuration, or troubleshooting, please visit the official TP-Link support website or contact their technical support hotline. You can find contact information and FAQs at www.tp-link.com/us/support/.

