TP-Link EAP115 V4

TP-Link EAP115 V4 Omada N300 Ceiling Mount Wireless Access Point User Manual

Model: EAP115 V4
Brand: TP-Link

Product Overview

The TP-Link EAP115 V4 Omada N300 Ceiling Mount Wireless Access Point is designed to provide reliable and efficient wireless connectivity. It integrates seamlessly into the Omada Software Defined Networking (SDN) platform, offering centralized management and cloud access for simplified network administration.

Key Features:

- **Fast Speeds with 2x2 MIMO:** Equipped with Wireless N300 2x2 MIMO technology, the EAP115 easily delivers Wi-Fi speeds of up to 300 Mbps.
- **Integrated into Omada SDN:** Omada's Software Defined Networking (SDN) platform integrates network devices including access points, switches & gateways with multiple control options offered - Omada Hardware controller or Omada Software Controller. Standalone mode also applies.
- **Cloud Access:** Remote Cloud access and Omada app brings centralized cloud management of the whole network from different sites—all controlled from a single interface anywhere, anytime.
- **SDN Compatibility:** For SDN usage, make sure your devices/controllers are either equipped with or can be upgraded to SDN version. SDN controllers work only with SDN Access Points, Switches & Gateways. Non-SDN controllers work only with non-SDN APs. For devices that are compatible with SDN firmware, please visit 'From the manufacturer - Q&A' section or TP-Link website.
- **Flexible Power Options for Easy Installation:** EAP115 supports both 802.3af/at PoE and external 9VDC/0.6A power supply, making deployment effortless and flexible.

Image: Front view of the TP-Link EAP115 V4 Access Point, showing its white, ribbed design and a green indicator light.

Package Contents

Upon unboxing your TP-Link EAP115 V4, verify that all components are present:

- 300Mbps Wireless N Ceiling Mount Access Point EAP115
- Power Adapter (for non-PoE installations)
- Mounting Kit (includes screws for ceiling and wall mounting)
- Installation Guide

Image: The TP-Link EAP115 V4 Access Point laid out with its mounting plate, power adapter, and installation screws.

Setup

1. Physical Installation

The EAP115 V4 is designed for flexible deployment, supporting both ceiling and wall mounting. Use the provided mounting plate and screws to secure the access point in your desired location. The device can be powered via Power over Ethernet (PoE) using an 802.3af/at compliant switch or injector, or by the included 9VDC/0.6A power adapter.

Image: The TP-Link EAP115 V4 Access Point mounted on a ceiling in a commercial setting, illustrating its discreet placement and Wi-Fi coverage.

2. Initial Configuration (Omada App)

The Omada app provides a straightforward method for setting up your EAP115 V4. Ensure your mobile device is connected to the same network as the EAP for initial discovery.

1. Download and install the TP-Link Omada app from your device's app store.
2. Open the Omada app and navigate to the "Standalone APs" section.
3. The app will scan for available EAPs on your network. Select your EAP115 V4 from the list.
4. Follow the on-screen prompts to set a new username and password for the EAP's administration.
5. Configure your wireless basic settings, including the SSID (network name) and password for the 2.4GHz network.
6. Review the summary of your settings and confirm to apply them. The device will then apply the settings, which may take a few minutes.

Once settings are applied, the Omada app will display the EAP's overview, including IP address, MAC address, firmware version,

and utilization statistics. You can further manage wireless settings, view connected clients, and perform actions like rebooting or resetting the device from this interface.

Operating Instructions

Connecting to the Network

After successful setup, the EAP115 V4 will broadcast the configured Wi-Fi network. Devices can connect to this network using the SSID and password you set during the configuration process. The access point provides a stable 2.4 GHz Wi-Fi signal, suitable for general internet browsing, streaming, and connecting various smart home devices.

Centralized Management (Omada SDN)

For larger networks or multiple EAPs, the Omada SDN platform offers centralized management. This allows you to control all your Omada devices from a single interface, whether through a hardware controller, software controller, or cloud access via the Omada app. This enables features like guest networks, captive portal, and seamless roaming across multiple access points.

Maintenance

- **Firmware Updates:** Regularly check for and install firmware updates via the Omada app or web interface to ensure optimal performance, security, and access to new features.
- **Cleaning:** Keep the access point clean and free from dust accumulation to prevent overheating and maintain performance. Use a soft, dry cloth for cleaning.
- **Environmental Conditions:** Ensure the device is operated within its specified temperature and humidity ranges to prolong its lifespan.
- **Network Monitoring:** Utilize the Omada app or controller to monitor network health, client connections, and device utilization for proactive maintenance.

Troubleshooting

- **No Power/Indicator Light Off:**

  Ensure the power adapter is securely connected or that the PoE source is active and providing power. Check the Ethernet cable connection if using PoE.

- **Cannot Access Setup Page/Omada App Not Finding Device:**

  Verify that your device is connected to the same local network as the EAP. Ensure the EAP is powered on. If using the Omada app, confirm local network permissions are granted to the app. A factory reset (using the reset button on the device) may be necessary if configuration issues persist.

- **Poor Wi-Fi Speed or Coverage:**

  Check the physical placement of the EAP. Obstacles like thick walls or other electronic devices can interfere with the signal. Ensure the EAP is not too far from connected devices. Verify that your internet connection speed is not the bottleneck. This model operates on the 2.4GHz band, which offers wider coverage but lower speeds compared to 5GHz bands found in other models.

- **Device Not Functioning as a Repeater:**

  The EAP115 V4 is primarily an access point, requiring a wired Ethernet connection to your router or switch to broadcast Wi-Fi. It is not designed to function as a wireless repeater that extends an existing Wi-Fi signal without a wired backhaul.

Specifications

Feature	Detail

Wireless Type	802.11n, 802.11b, 802.11g
Brand	TP-Link
Series	EAP115 V4
Item Model Number	EAP115 V4
Operating System	Windows 10/8/7/Vista/XP
Item Weight	1.1 pounds
Product Dimensions	7.46 x 6.78 x 1.16 inches
Color	White
Voltage	9 Volts (DC)
Frequency	2.4 GHz
Connectivity Technology	USB, Ethernet

Warranty and Support

For detailed warranty information and technical support, please refer to the official TP-Link website or the documentation included with your product.

A comprehensive User Guide is available in PDF format for further reference: User Guide (PDF)

Legal Disclaimer:

1. Maximum wireless transmission rates are the physical rates derived from IEEE Standard 802.11 specifications. Range and coverage specifications are based upon test results under normal usage conditions. Actual wireless transmission rate and wireless coverage are not guaranteed and will vary as a result of 1) environmental factors, including building materials, physical objects and obstacles, 2) network conditions, including local interference, volume and density of traffic, product location, network complexity, and network overhead and 3) client limitations, including rated performance, location, connection quality, and client condition.

2. Actual network speed may be limited by the rate of the product's Ethernet WAN or LAN port, the rate supported by the network cable, Internet service provider factors and other environmental conditions.