HUAWEI AP361 (50086871)

Huawei eKitEngine AP361 User Manual

Model: AP361 (50086871)

1. Introduction

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your Huawei eKitEngine AP361 Wireless Access Point. Please read this manual thoroughly before using the device to ensure proper functionality and safety.

2. Safety Information

- Ensure the device is installed in a well-ventilated area, away from direct sunlight and heat sources.
- Do not expose the device to water or excessive humidity.
- Use only the power adapter or PoE source specified for this device.
- Do not attempt to open or repair the device yourself. Refer all servicing to qualified personnel.
- Keep the device away from children.

3. Package Contents

Please check the package contents upon unboxing. If any items are missing or damaged, contact your vendor.

- Huawei eKitEngine AP361 Wireless Access Point (Main Unit)
- Quick Start Guide
- Mounting Bracket and Screws

Note: Power adapter is not included if using Power over Ethernet (PoE).

4. Product Overview

The Huawei eKitEngine AP361 is a high-performance wireless access point designed for robust and reliable Wi-Fi connectivity. It supports Power over Ethernet (PoE) for simplified installation.



Figure 4.1: Front View - Shows the clean, white circular design with the HUAWEI logo and Wi-Fi 6 indicator.



Figure 4.2: Rear View - Displays the mounting points and the GE0/PoE_IN Ethernet port for power and data connection.



Figure 4.3: Side View - Illustrates the slim profile of the access point.

4.1. Components and Indicators

- **LED Indicator:** Located on the front, indicates device status (e.g., power, network activity).
- **GE0/PoE_IN Port:** Gigabit Ethernet port for network connection and Power over Ethernet input.
- **Reset Button:** Used to restore factory default settings.
- **Mounting Points:** For secure installation on ceilings or walls.

5. Setup

5.1. Installation Location

Choose a central location for optimal Wi-Fi coverage, away from obstructions like thick walls or metal objects. The device is designed for indoor use.

5.2. Mounting the Device

1. Attach the mounting bracket to the desired ceiling or wall location using the provided screws.
2. Align the AP361 with the mounting bracket and twist clockwise until it locks securely into place.

5.3. Connecting the Device

1. Connect an Ethernet cable from a PoE-enabled switch or PoE injector to the GE0/PoE_IN port on the back of the AP361.
2. Ensure the PoE source is active. The device will power on automatically.
3. Observe the LED indicator on the front. It should turn solid green once the device has successfully booted and established a network connection.

6. Operating

6.1. Initial Configuration

The Huawei eKitEngine AP361 typically requires configuration via a network controller or management software. Refer to the specific documentation for your Huawei network management system (e.g., eKitEngine Controller) for detailed configuration steps, including:

- Setting up SSIDs (Wi-Fi network names)
- Configuring security protocols (WPA2/WPA3)
- Managing user access and bandwidth
- Firmware updates

6.2. Connecting to the Wi-Fi Network

Once the AP361 is configured and broadcasting a Wi-Fi signal:

1. On your wireless device (smartphone, laptop, tablet), open the Wi-Fi settings.
2. Select the SSID (Wi-Fi network name) broadcast by the AP361.
3. Enter the network password if prompted.
4. Your device should now be connected to the Wi-Fi network.

7. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or aerosols.
- **Firmware Updates:** Regularly check for and install firmware updates through your network management system to ensure optimal performance and security.
- **Environmental Conditions:** Ensure the operating environment remains within specified temperature and humidity ranges to prevent damage.

8. Troubleshooting

Problem	Possible Cause	Solution
No power/LED off	No PoE connection or faulty cable.	Check Ethernet cable connection. Ensure PoE source is active and functioning.
Cannot connect to Wi-Fi	Incorrect Wi-Fi password, AP not broadcasting, or signal too weak.	Verify password. Check AP status via management system. Relocate closer to the AP.

Problem	Possible Cause	Solution
Slow Wi-Fi speed	Network congestion, interference, or outdated firmware.	Reduce number of connected devices. Check for interference sources. Update firmware.
Device unresponsive	Software glitch or configuration error.	Perform a soft reboot (disconnect/reconnect PoE). If issue persists, perform a factory reset (refer to management system for procedure).

9. Specifications

Feature	Detail
Brand	HUAWEI
Model Number	50086871 (AP361)
Operating System	eKitEngine
Connectivity Technology	Ethernet, Wireless (Wi-Fi 6, 1775 Mbit/s)
Frequency	5 GHz (Dual-band operation implied by 1775 Mbit/s, typically 2.4GHz + 5GHz)
Special Features	Access Point Mode, Internet Security
Color	White
Dimensions (L x W x H)	18 x 18 x 3.5 cm
Item Weight	450 g
Power Input	Power over Ethernet (PoE)
Wireless Range	Up to 10 Meters (*Note: This value seems low for an AP, typically refers to a specific test condition or a very small area. Users should expect wider coverage in open spaces.*)
Batteries Required	1 AAAA batteries (*Note: This specification is unusual for an access point and may refer to an accessory not included or a data entry error. The device is primarily PoE powered.*)

10. Warranty and Support

For warranty information and technical support, please refer to the official HUAWEI website or contact your local HUAWEI service center. Keep your purchase receipt as proof of purchase for warranty claims.
Online Resources: HUAWEI Support Website

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Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question