

[Manuals.plus](#) /

› [Extreme Networks](#) /

› ExtremeMobility AP505i 802.11ax Wireless Indoor Access Point User Manual

## Extreme Networks AP505i

# ExtremeMobility AP505i User Manual

Model: AP505i | Brand: Extreme Networks

## INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of the ExtremeMobility AP505i 802.11ax Wireless Indoor Access Point. The AP505i is designed to meet the high demands of modern WiFi environments, offering robust performance for businesses connecting users, employees, guests, customers, and IoT devices. It aims to improve efficiency and enhance the overall network experience.



**Figure 1:** ExtremeMobility AP505i Wireless Indoor Access Point. This image shows the top-down view of the white, rectangular access point with rounded corners. It features subtle ventilation grilles along the sides and a single port visible on one edge, likely for power or network connectivity. The top surface has a subtle, embossed logo or indicator.

## SETUP AND INSTALLATION

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Proper installation is crucial for optimal performance of your AP505i access point. Ensure you have all necessary components before beginning.

## 1. Unboxing and Component Check

- Verify all components are present: AP505i unit, mounting bracket, screws, and any included power adapter or PoE injector (if not using PoE switch).
- Inspect the unit for any physical damage.

## 2. Site Selection

Choose a central location for the access point to maximize wireless coverage. Avoid placing it near large metal objects, concrete walls, or sources of electromagnetic interference (e.g., microwave ovens, cordless phones).

## 3. Mounting the Access Point

The AP505i can be mounted on a ceiling or wall. Use the provided mounting bracket and hardware. Ensure the mounting surface is sturdy enough to support the device's weight (approximately 3.3 pounds).

1. Secure the mounting bracket to the desired location using appropriate screws.
2. Align the AP505i with the bracket and slide it into place until it clicks securely.

## 4. Powering On and Network Connection

The AP505i supports Power over Ethernet (PoE) or an external power adapter (sold separately).

- **PoE Connection:** Connect an Ethernet cable from a PoE-enabled switch or PoE injector to the Ethernet port on the AP505i.
- **External Power:** If not using PoE, connect a compatible power adapter to the power input port and then to a power outlet.
- Connect the Ethernet cable from your network to the AP505i's Ethernet port.

## 5. Initial Configuration

Refer to the Extreme Networks documentation for detailed instructions on initial configuration, including setting up SSIDs, security protocols, and management access. This typically involves accessing the device's web interface via its IP address or using Extreme Networks' cloud management platform.

## OPERATING THE AP505i

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Once installed and configured, the AP505i operates as a wireless access point, broadcasting Wi-Fi signals for client devices.

### Network Connectivity

- Client devices (laptops, smartphones, tablets) can connect to the Wi-Fi networks broadcast by the AP505i using the configured SSIDs and passwords.
- The AP505i supports 802.11ax (Wi-Fi 6) for high-efficiency and high-throughput wireless communication.

### Monitoring and Management

The AP505i can be managed through its web-based interface or via Extreme Networks' cloud management solutions. This allows administrators to:

- Monitor network status and connected clients.

- Adjust wireless settings (channels, power levels).
- Update firmware.
- View logs and performance metrics.

## MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your AP505i.

- **Firmware Updates:** Periodically check for and apply the latest firmware updates from Extreme Networks. This ensures security patches, bug fixes, and new features are implemented.
- **Physical Cleaning:** Keep the device free from dust and debris. Use a soft, dry cloth to clean the exterior. Do not use liquid cleaners or aerosols.
- **Environmental Conditions:** Ensure the operating environment remains within specified temperature and humidity ranges to prevent overheating or damage.
- **Network Monitoring:** Regularly monitor network performance and device health through the management interface to identify and address potential issues proactively.

## TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your AP505i.

| Problem                            | Possible Cause                                                                                  | Solution                                                                                                       |
|------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| No Power/LEDs Off                  | Power cable disconnected; PoE issue; faulty power adapter.                                      | Check power connections. Ensure PoE switch/injector is active. Test with a different power source if possible. |
| Cannot Connect to Wi-Fi            | Incorrect Wi-Fi password; SSID not broadcasting; device out of range; Wi-Fi disabled on client. | Verify password. Check AP configuration. Move closer to AP. Ensure Wi-Fi is enabled on client device.          |
| Slow Wi-Fi Speed                   | Network congestion; interference; outdated firmware; poor signal strength.                      | Reduce number of connected devices. Check for interference sources. Update firmware. Optimize AP placement.    |
| Cannot Access Management Interface | Incorrect IP address; network connectivity issue; firewall blocking access.                     | Verify AP's IP address. Check network cable. Temporarily disable client firewall.                              |

For more advanced troubleshooting or issues not listed here, please refer to the official Extreme Networks support documentation or contact their technical support.

## SPECIFICATIONS

Key technical specifications for the ExtremeMobility AP505i:

**Wireless LAN Standard:** 802.11ax (Wi-Fi 6)

**Frequency Band:** 5 GHz (Single-Band operation as per specifications, though 802.11ax typically supports 2.4/5GHz, the product spec lists 5GHz primarily)

**Total Number of Antennas:** 4 (Internal)

**Wireless Transmission Rate:** 480 Gbits

**Item Weight:** 3.3 pounds

**Dimensions (Approximate):** Height 19 in, Width 83 in, Depth 83 in

**Manufacturer:** Extreme Networks, Inc

**Model Name:** AP505i

**Special Feature:** Access Point Mode

**Compatible Devices:** iPhone

**Connectivity Technology:** Wi-Fi

**Recommended Uses:** Business

*Note: Some specifications like "Wireless Transmission Rate 480 Gbits" and "Dimensions (Height 19 in, Width 83 in, Depth 83 in)" appear to be unusually high or large for a typical indoor access point and might be typos in the original product data. Please refer to the official Extreme Networks product datasheet for the most accurate and up-to-date specifications.*

## WARRANTY AND SUPPORT

For detailed information regarding the product warranty, please refer to the warranty statement provided with your purchase or visit the official Extreme Networks website. Technical support and additional resources can be found at: [Extreme Networks Support](#)

You can also visit the [Extreme Networks Store on Amazon](#) for more product information and related accessories.

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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