Extreme Networks AP305C-WR

User Manual for Extreme Networks AP305C-WR

Model: AP305C-WR

Product Overview

The Extreme Networks AP305C-WR is a cutting-edge wireless networking device designed to enhance connectivity and performance in various environments. This device features advanced 2x2 radio technology, operating primarily on the 5GHz frequency band to ensure faster and more reliable data transmission.

Equipped with a 1x Gigabit Ethernet port, the AP305C-WR allows for seamless integration into existing network infrastructures. Its robust design and Power over Ethernet (PoE) capability simplify installation and deployment, making it suitable for both professional and home network upgrades.

Key features include:

- Advanced 2x2 radio technology for superior wireless performance.
- Optimized for 5GHz frequency for high-speed data transmission.
- Integrated 1x Gigabit Ethernet port for wired connectivity.
- Supports Power over Ethernet (PoE) for flexible installation.
- Designed for reliable and uninterrupted network connectivity.

Product Visuals

Figure 1: Front view of the Extreme Networks AP305C-WR, showcasing its sleek, white, square design with the Extreme

Networks logo.

Figure 2: Angled view of the Extreme Networks AP305C-WR, highlighting its compact form factor and subtle indicator lights.

Setup Guide

Follow these steps to properly set up your Extreme Networks AP305C-WR:

1. **Unpack the Device:** Carefully remove the AP305C-WR from its packaging. Verify that all components are present, including the access point unit and any mounting hardware.
2. **Choose a Location:** Select a central location for optimal wireless coverage. Consider mounting the device on a ceiling or wall for best performance. Ensure the location is within range of your network switch or PoE injector.
3. **Connect to Network and Power:**
   - If using Power over Ethernet (PoE): Connect an Ethernet cable from a PoE-enabled switch or PoE injector to the Gigabit Ethernet port on the AP305C-WR. This single cable will provide both data connectivity and power.
   - If using an external power adapter (not included): Connect the power adapter to the device's power input and then plug it into a power outlet. Connect an Ethernet cable from your network switch or router to the Gigabit Ethernet port on the AP305C-WR.
4. **Mount the Device (Optional):** If mounting, use the provided hardware to securely attach the AP305C-WR to the chosen surface. Refer to the mounting template (if included) for precise drilling.
5. **Verify Status Indicators:** Once powered on, observe the LED indicators on the device. Refer to the "Operating" section for details on LED behavior, which indicates power, network connectivity, and wireless activity.
6. **Initial Configuration:** Access the device's web interface or use Extreme Networks management software to perform initial configuration, such as setting up Wi-Fi SSIDs, security protocols, and network settings. Consult the Extreme Networks documentation for detailed software configuration instructions.

Operating Instructions

The Extreme Networks AP305C-WR is designed for continuous operation once properly configured. Here's what you need to know about its operational status:

LED Indicators

The device features LED indicators that provide visual feedback on its operational status:

- **Power LED:** Indicates the power status of the device.

    - *Solid Green:* Device is powered on and operating normally.
    - *Off:* Device is not receiving power.

- **Network/Activity LED:** Indicates network connectivity and data activity.
    - *Solid Green:* Connected to the network.
    - *Blinking Green:* Data activity (transmitting or receiving).
    - *Off:* No network connection.

Wireless Connectivity

Once configured, the AP305C-WR will broadcast the configured Wi-Fi networks (SSIDs). Client devices can then connect to these networks using the appropriate security credentials.

- Ensure your client devices (laptops, smartphones, tablets) have their Wi-Fi enabled.
- Scan for available Wi-Fi networks and select the SSID broadcast by your AP305C-WR.
- Enter the Wi-Fi password or passphrase when prompted.
- Once connected, your device should have internet access through the AP305C-WR.

Management Access

For advanced configuration and monitoring, access the device's management interface via a web browser or dedicated management software. Refer to your network administrator or Extreme Networks documentation for default IP addresses and login credentials.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your Extreme Networks AP305C-WR. Follow these guidelines:

- **Cleaning:**

  Gently wipe the exterior of the device with a soft, dry, lint-free cloth. Do not use liquid cleaners, aerosols, or solvents, as these can damage the casing or internal components. Ensure the device is powered off before cleaning.

- **Ventilation:**

  Ensure that the device's ventilation openings are not blocked. Adequate airflow is crucial to prevent overheating and maintain stable operation. Do not place the device in enclosed spaces without proper air circulation.

- **Firmware Updates:**

  Regularly check the Extreme Networks support website for firmware updates. Keeping the firmware up-to-date can improve performance, enhance security, and resolve known issues. Follow the manufacturer's instructions carefully when performing firmware updates.

- **Environmental Conditions:**

  Operate the device within its specified environmental conditions (temperature, humidity) to prevent damage. Avoid exposing the device to extreme temperatures, direct sunlight, or high humidity.

- **Cable Management:**

  Ensure all connected cables (Ethernet, power) are securely plugged in and not strained or kinked. Loose connections can lead to intermittent performance issues.

Troubleshooting

If you encounter issues with your Extreme Networks AP305C-WR, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on (Power LED off).	No power supply; faulty cable; faulty PoE source.	• Check if the Ethernet cable is securely connected to a PoE-enabled port or if the power adapter is properly plugged in. • Verify the power source (PoE switch/injector or power outlet) is active. • Try a different Ethernet cable or power adapter if available.
No network connectivity (Network LED off).	Loose Ethernet cable; network switch issue; incorrect network configuration.	• Ensure the Ethernet cable is firmly connected to both the AP305C-WR and the network switch/router. • Verify the network switch/router is functioning correctly. • Check network settings in the device's configuration interface.
Poor Wi-Fi signal or slow speeds.	Interference; improper placement; outdated firmware; channel congestion.	• Relocate the AP305C-WR to a more central position, away from obstructions and sources of interference (e.g., microwaves, cordless phones). • Update the device firmware to the latest version. • In the configuration interface, try changing the Wi-Fi channel to a less congested one.
Cannot access management interface.	Incorrect IP address; network connectivity issue; firewall blocking.	• Verify the IP address of the AP305C-WR. • Ensure your computer is on the same network segment as the device. • Temporarily disable any firewalls on your computer to test access. • Perform a factory reset if all else fails (consult manufacturer's guide for procedure).

If the problem persists after trying these solutions, please contact Extreme Networks technical support for further assistance.

Technical Specifications

Feature	Detail

Feature	Detail
Brand	Extreme Networks
Model	AP305C-WR
Part Number	AP305C-WR
Hardware Interface	Ethernet
Number of Ports	2 (Includes 1x Gigabit Ethernet port and internal radio interfaces)
Wireless Technology	2x2 Radios, 5GHz
Power Source	Power over Ethernet (PoE)
Batteries Required	No
Package Dimensions	13 x 13 x 4 cm
Product Weight	4706 Grams (4.71 kg)
UPC	644728052141

Note: Specifications are based on available product information and are subject to change.

Warranty and Support

Product Warranty

Extreme Networks products typically come with a standard manufacturer's warranty. For specific details regarding the warranty period and coverage for your AP305C-WR, please refer to the warranty documentation included with your purchase or visit the official Extreme Networks website.

Extended warranty options may also be available through authorized resellers or third-party providers, such as the Assurant extended warranty plans mentioned during purchase. These plans offer additional coverage beyond the standard manufacturer's warranty.

Technical Support

For technical assistance, troubleshooting beyond this manual, or inquiries regarding your Extreme Networks AP305C-WR, please contact Extreme Networks technical support.

- **Online Support:** Visit the Extreme Networks support portal for knowledge base articles, FAQs, and software downloads.
- **Contact Information:** Refer to the Extreme Networks official website for the most current contact details, including phone numbers and email support options for your region.

When contacting support, please have your product model (AP305C-WR) and serial number ready to expedite the process.

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