

Cisco 9105AXI

Cisco Catalyst 9105AXI Wireless Access Point User Manual

Model: 9105AXI

1. INTRODUCTION AND OVERVIEW

The Cisco Catalyst 9105 Series Access Points represent a new generation of enterprise-grade wireless access solutions. Designed for resilience, security, and intelligence, the 9105AXI model extends Cisco's intent-based network capabilities, catering to networks of all sizes. It is engineered to meet the increasing demands of IoT devices while fully supporting the latest Wi-Fi 6 (802.11ax) innovations.

This access point provides a seamless and high-performance wireless experience, adapting to diverse network deployments. Beyond the Wi-Fi 6 standard, it integrates advanced security features, operational flexibility, and enhanced network intelligence. The Catalyst 9105AXI is also suitable for teleworker deployments, offering secure wired and wireless access for remote employees due to its compact form factor and low power consumption.



Figure 1: Top-down view of the Cisco Catalyst 9105AXI Wireless Access Point. The device is white with the Cisco logo embossed on the top surface and a small indicator light.

2. SETUP AND INSTALLATION

The Cisco Catalyst 9105 Series offers flexible installation options to suit various environments. The 9105i model can be mounted to a ceiling using a dedicated bracket or placed on a desk. The 9105w model is specifically designed for wall mounting, making it ideal for hospitality settings, residence halls, and other multi-dwelling units.

General Installation Guidelines:

- **Site Survey:** Before installation, conduct a thorough site survey to determine optimal placement for wireless coverage and performance.
- **Power:** Ensure a stable power source is available. The device typically supports Power over Ethernet (PoE) for simplified deployment.
- **Network Connectivity:** Connect the access point to your network infrastructure using an Ethernet cable. The Gigabit Ethernet port ensures high-speed wired connectivity.
- **Mounting:** Use appropriate mounting hardware and follow the specific instructions provided in the detailed installation guide for your model (9105i or 9105w).
- **Initial Configuration:** Access the device's management interface via a web browser or command-line interface (CLI) to perform initial network configuration, including SSID setup, security settings, and integration with your network controller (e.g., Cisco DNA Center).

For detailed, step-by-step installation instructions, including specific mounting procedures and initial configuration, please refer to the official Cisco Catalyst 9105 Series Access Point Installation Guide available on the Cisco support website.

3. OPERATING THE ACCESS POINT

Once installed and configured, the Cisco Catalyst 9105AXI Access Point operates to provide robust wireless connectivity. It leverages Wi-Fi 6 technology to deliver high data rates, improved capacity, and better performance in dense environments.

Key Operational Features:

- **Wi-Fi 6 (802.11ax) Support:** Provides enhanced speed, efficiency, and capacity for a growing number of connected devices.
- **Cisco User Defined Network:** Allows IT administrators to grant end-users control over their own wireless network partition on a shared network, enabling secure and remote deployment of personal devices.
- **Integrated Security:** Features built-in security protocols to protect your wireless network and connected clients.
- **IoT Readiness:** Designed to support the increasing number of Internet of Things (IoT) devices, ensuring stable and efficient connectivity.
- **Management:** The access point is typically managed through a centralized network controller, such as Cisco DNA Center, which provides comprehensive control over setup, configuration, and monitoring.

The access point's indicator lights provide visual feedback on its operational status. Refer to the official documentation for a detailed explanation of LED patterns and their meanings.

4. MAINTENANCE

Regular maintenance ensures the optimal performance and longevity of your Cisco Catalyst 9105AXI Access Point.

Recommended Maintenance Practices:

- **Firmware Updates:** Periodically check for and apply the latest firmware updates from Cisco. These updates often include performance enhancements, security patches, and new features.
- **Environmental Control:** Ensure the access point is operating within its specified temperature and humidity ranges. Maintain proper ventilation around the device to prevent overheating.
- **Physical Inspection:** Occasionally inspect the device for any physical damage, loose cables, or excessive dust accumulation. Clean the exterior with a soft, dry cloth if necessary.
- **Configuration Backup:** Regularly back up your access point's configuration settings. This allows for quick restoration in case of an unexpected issue or device replacement.
- **Performance Monitoring:** Monitor network performance and access point health through your network management system to identify and address potential issues proactively.

5. TROUBLESHOOTING

If you encounter issues with your Cisco Catalyst 9105AXI Access Point, consider the following basic troubleshooting steps:

Common Troubleshooting Steps:

- **Check Power:** Verify that the access point is receiving power, either via PoE or a dedicated power adapter. Check the power indicator light.
- **Network Cable:** Ensure all Ethernet cables are securely connected to both the access point and the network switch/router.
- **Indicator Lights:** Consult the official documentation to understand the meaning of the access point's LED

indicators. These can often provide clues about the device's status or any errors.

- **Restart Device:** A simple reboot can often resolve temporary software glitches. Disconnect power for a few seconds and then reconnect.
- **Verify Configuration:** Confirm that the access point's network configuration (SSID, security settings, IP address) is correct and matches your network requirements.
- **Check Network Connectivity:** Ensure that other devices on your wired network can access the internet. If not, the issue might be with your upstream network.
- **Consult Logs:** Access the device's logs through the management interface for error messages or warnings that can help diagnose the problem.
- **Contact Support:** If the issue persists after performing basic troubleshooting, contact Cisco technical support or your network administrator for further assistance.

6. SPECIFICATIONS

Feature	Detail
Model Number	9105AXI
Product Dimensions	9.5 x 8.75 x 2.75 inches
Item Weight	1.58 pounds
ASIN	B0BQ3L19G4
Wireless Communication Technologies	Bluetooth, 802.11ax (Wi-Fi 6)
Connectivity Technologies	Ethernet, Wireless
Manufacturer	Cisco Systems, Inc
Date First Available	December 9, 2022

7. WARRANTY AND SUPPORT

For information regarding the warranty coverage for your Cisco Catalyst 9105AXI Wireless Access Point, please refer to the warranty documentation provided with your purchase or visit the official Cisco website. Warranty terms and conditions can vary by region and purchase agreement.

For technical support, product documentation, software downloads, and additional resources, please visit the [Cisco Support Community](#) or contact your authorized Cisco partner or reseller.

ASK A QUESTION ABOUT THIS MANUAL

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.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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