CISCO DESIGNED CBW145AC

Cisco Business 145AC Wi-Fi Access Point User Manual

Model: CBW145AC | Brand: CISCO DESIGNED

1. Product Overview

The Cisco Business 145AC Wi-Fi Access Point (CBW145AC-B) is an enterprise-grade 802.11ac Wave 2 access point designed to provide secure and reliable wireless connectivity for small businesses. It features 2x2 MU-MIMO technology, four Gigabit Ethernet ports with Power over Ethernet (PoE) support, and flexible wall or ceiling mounting options.

This access point is part of the Cisco Business Wireless ecosystem, allowing for easy expansion of Wi-Fi coverage by mixing and matching with other Cisco Business Wireless access points and mesh extenders. Management is simplified through the Cisco Business Mobile app or a web browser, offering advanced security features via Cisco Umbrella integration and network access prioritization.





Figure 1: Front view of the Cisco Business 145AC Wi-Fi Access Point.

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Video 1: An overview of Cisco Business Switches and Wireless solutions, highlighting key features and benefits for small businesses.

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Video 2: A presentation on Cisco small business product solutions, demonstrating how they simplify network management and enhance security.

2. Package Contents

Verify that your package contains the following items:

- CBW145 Access Point
- Support contact pointer card
- Mounting bracket
- Cat5 Ethernet Cable
- Quick Start Guide

3. Physical Description

The CBW145AC-B Access Point is designed for discreet installation on a wall plate. It features multiple ports for network connectivity and power.



Figure 2: Rear view of the Cisco Business 145AC Access Point, showing the Pass-Thru, LAN3, LAN2, and PoE-LAN1 ports.

Ports and Indicators:

- **PoE-LAN1 Port:** This Gigabit Ethernet port supports Power over Ethernet (PoE) for device power and network uplink.
- **LAN2, LAN3 Ports:** These are additional Gigabit Ethernet ports for connecting wired devices.
- **Pass-Thru Port:** A dedicated port for direct cable pass-through, often used for connecting a phone or other device directly to the wall jack.
- **LED Indicator:** Provides status information about the device's operation and connectivity. Refer to the Quick Start Guide for specific LED patterns.

4. Setup and Installation

The CBW145AC-B Access Point is designed for flexible deployment, including wall or ceiling mounting. A mounting bracket is included in the package.

4.1 Powering the Device

The access point can be powered using Power over Ethernet (PoE) through the PoE-LAN1 port. Connect a Cat5 Ethernet cable from a PoE-enabled switch or a Cisco Business Power over Ethernet injector (CB-PWRINJ, sold separately) to the PoE-LAN1 port on the access point.

4.2 Mounting the Access Point

For detailed instructions on wall or ceiling mounting, refer to the included Quick Start Guide. Ensure the mounting location provides optimal Wi-Fi coverage and is near a suitable Ethernet wall jack for power and network connectivity.

4.3 Initial Configuration

Initial setup and configuration can be performed using the Cisco Business Mobile app or a web browser. Download the Cisco Business Mobile app from your device's app store or access the web interface by connecting a computer to one of the LAN ports and navigating to the default IP address (refer to the Quick Start Guide for details).

5. Operation

Once configured, the Cisco Business 145AC Access Point will broadcast Wi-Fi networks (SSIDs) as defined during setup. Client devices (laptops, smartphones, tablets) can connect to these networks using the provided credentials.

The access point supports dual-band operation (2.4 GHz and 5 GHz) to accommodate various client devices and optimize wireless performance. It also features MU-MIMO (Multi-User, Multiple-Input, Multiple-Output) technology for efficient communication with multiple devices simultaneously.

6. Management

The Cisco Business 145AC Access Point can be managed and monitored through the Cisco Business Mobile app or the Cisco Business Dashboard web interface.

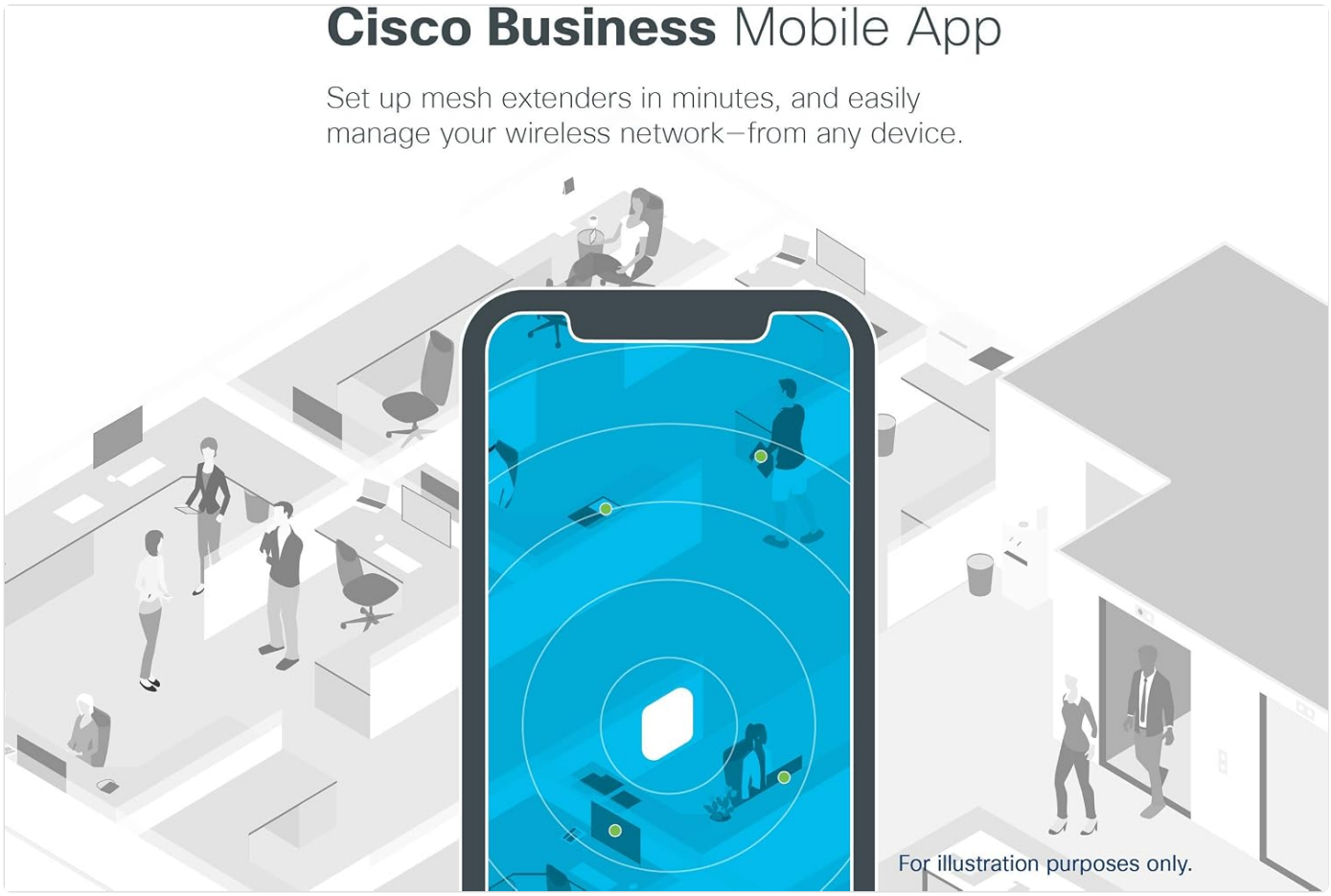


Figure 3: The Cisco Business Mobile App allows for easy setup and management of your wireless network from any device.

6.1 Cisco Business Mobile App

The mobile app provides a user-friendly interface for:

- Setting up new access points and mesh extenders.
- Monitoring network status and connected clients.

- Adjusting Wi-Fi settings and security policies.
- Performing firmware updates.

6.2 Cisco Business Dashboard

The web-based Cisco Business Dashboard offers comprehensive management capabilities, including:

- Detailed network topology views.
- Advanced configuration options for VLANs, QoS, and security.
- Performance monitoring and reporting.
- Troubleshooting tools and diagnostics.

7. Maintenance

To ensure optimal performance and security of your Cisco Business 145AC Access Point, regular maintenance is recommended:

- **Firmware Updates:** Regularly check for and apply the latest firmware updates through the Cisco Business Mobile app or Dashboard to benefit from new features, performance improvements, and security patches.
- **Physical Inspection:** Periodically inspect the device for any physical damage or obstructions to ventilation. Ensure cables are securely connected.
- **Network Monitoring:** Utilize the Cisco Business Dashboard to monitor network health, traffic, and client activity to identify and address potential issues proactively.

8. Troubleshooting

If you encounter issues with your Cisco Business 145AC Access Point, consider the following troubleshooting steps:

- **No Power/LED Off:** Verify the Ethernet cable is securely connected to the PoE-LAN1 port and that the PoE source (switch or injector) is functioning correctly.
- **No Wi-Fi Signal:** Check the device's LED indicator for status. Ensure the access point is properly configured and broadcasting SSIDs. Restart the device.
- **Slow Performance:** Check for network congestion using the Cisco Business Dashboard. Ensure the access point is placed optimally for coverage and minimize interference from other devices. Verify firmware is up to date.
- **Cannot Access Management Interface:** Ensure your device is connected to the network. Try accessing the interface using the default IP address or through the Cisco Business Mobile app.
- **Factory Reset:** As a last resort, a factory reset can restore the device to its default settings. Refer to the Quick Start Guide for instructions on performing a factory reset. Note that this will erase all custom configurations.

9. Specifications

Feature	Detail
Model Name	CBW145AC
Wireless Type	802.11ac (Wi-Fi 5)
Frequency Band Class	Dual-Band
Antenna Configuration	2x2 MU-MIMO
Ethernet Ports	4 Gigabit Ethernet Ports (1x PoE-in, 3x LAN)

Power Supply	Power over Ethernet (PoE)
Item Weight	10.1 ounces (approx. 286 grams)
Product Dimensions (LxWxH)	3.5 x 5.51 x 1.24 inches (approx. 8.9 x 14 x 3.15 cm)
Special Features	Enterprise-grade Security, MU-MIMO, Client Prioritization, Flexible Mounting, Mesh Networking, Centralized Management
Compatible Devices	Personal Computer, Laptop, Smartphone, Tablet, Smart Television, Printer, Gaming Console
Recommended Uses	Small Business

10. Warranty and Support

The Cisco Business 145AC Wi-Fi Access Point comes with a limited lifetime warranty, providing peace of mind for your investment. Additionally, one-year technical support is included to assist with any operational or configuration queries.

For further assistance, technical documentation, or to contact support, please visit the official Cisco Business support website. Ensure you have your product model number (CBW145AC) and serial number ready when contacting support.

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