

# Cisco WAP125 Wireless-AC Dual Band Desktop Access Point with PoE

Faster Wi-Fi, Secure Connectivity, Do-It-Yourself Installation.

## Highlights

- Provides cost-effective 802.11ac/n connectivity for 2.4-GHz and 5-GHz clients with speeds up to 867 Mbps
- Gigabit Ethernet LAN interface with Power over Ethernet (PoE) enables flexible installation
- A captive portal provides highly secure guest access with customized roles and rights
- Works right out of the box with easy installation and a simple web-based configuration wizard
- Supported by the new Cisco® FindIT Network Management platform for easy management and control
- Provides peace of mind with a limited lifetime hardware warranty

## Product overview

In today's dynamic business environment, employees are becoming more mobile and collaborative than ever. To stay productive, they need dependable, business-class access to network applications throughout the office. The Cisco WAP125 Wireless-AC Dual Band Desktop Access Point with PoE provide a simple, cost-effective way to extend secure, high-performance mobile networking to your employees and guests, so they can stay connected anywhere in the office. This flexible solution lets you connect dozens of employees, and can scale to accommodate additional users and changing business needs.

The WAP125 access point uses concurrent dual-band radios for improved coverage on mobile devices. A Gigabit Ethernet LAN interface with PoE supports flexible installation and can reduce cabling and wiring costs. Intelligent Quality-of-Service (QoS) features let you prioritize bandwidth-sensitive traffic for Voice over IP (VoIP) and video applications.

To provide highly secure guest access to visitors and other users, the WAP125 access point supports a captive portal with multiple authentication options and the ability to configure rights, roles, and bandwidth. A customized guest login page lets you present a welcome message and access details, and reinforces your brand with company logos.

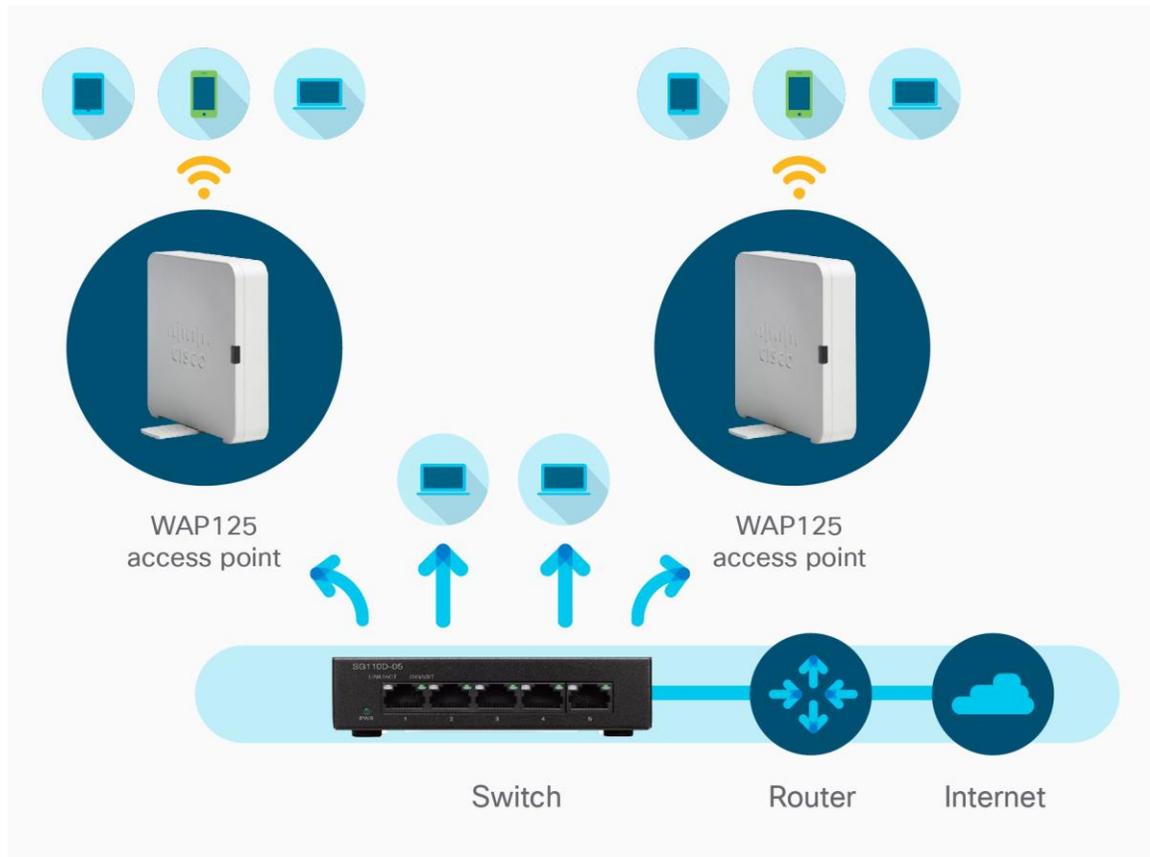
The WAP125 access point is easy to set up and use, with intuitive wizard-based configuration to get you up and running in minutes. An attractive, compact design with integrated stand allows the access point to be placed on a desk or other flat surface.

To enhance reliability and safeguard sensitive business information, the WAP125 access point supports both Wi-Fi Protected Access (WPA) Personal and Enterprise, encoding all your wireless transmissions with powerful encryption. In addition, 802.1X RADIUS authentication helps keep unauthorized users out.

The WAP125 access point offers a captive portal for guest access, allowing you to control Internet access for guests and give your customers a better experience.

Figure 1 shows a typical wireless access point configuration. Figures 2 and 3 show the product's front and back panels, respectively.

**Figure 1.** Typical wireless access point configuration



**Figure 2.** Front panel



**Figure 3.** Back panel



## Features

- The single radio supports both 5 GHz and 2.4 GHz, with speeds up to 867 Mbps for increased capacity and coverage
- The Gigabit Ethernet LAN interface can enable a high-speed uplink to the wired network
- Robust security, including WPA2, 802.1X with RADIUS secure authentication, and rogue access point detection, helps protect sensitive business information
- A captive portal supports secure, customized guest access with multiple rights and roles
- Simple installation and an intuitive web-based configuration wizard enable fast, simple deployment and setup in minutes
- Support for PoE makes installation easy without expensive additional wiring
- Sleek design with multiple internal antennas and integrated stand
- Intelligent QoS prioritizes network traffic to help keep critical network applications running at top performance
- Workgroup Bridge mode lets you expand your network by wirelessly connecting to a second Ethernet network
- Support for IPv6 lets you deploy future networking applications and operating systems without costly upgrades
- Support for Cisco FindIT Network Management platform offers easy management and control
- Limited lifetime hardware warranty provides peace of mind

## Specifications

Table 1 lists the specifications, package contents, and minimum requirements for the WAP125 access point.

Table 2 lists the access point's RF performance.

**Table 1.** Specifications

| Specifications                         | Description  |
|--|--|
| <b>Standards</b>                       | IEEE 802.11ac, 802.11n, 802.11g, 802.11b, 802.3af, 802.3u, 802.1X (Security Authentication), 802.1Q (VLAN), 802.1D (Spanning Tree), 802.11i (WPA2 security), 802.11e (wireless QoS), IPv4 (RFC 791), IPv6 (RFC 2460) |
| <b>Cabling type</b>                    | Category 5e or better  |
| <b>Antennas</b>                        | Internal antennas optimized for installation on desktop  |
| <b>Led indicators</b>                  | 1 multifunction LED  |
| <b>Operating system</b>                | Linux  |
| <b>Physical Interfaces</b>             |  |
| <b>Ports</b>                           | 10/100/1000 Ethernet, with support for 802.3af /at PoE, power port for AC adapter (included)   |
| <b>Power supply</b>                    | External 12V/1A DC power jack (Energy Star 2.0 compliant with Efficiency Level 6) and 802.3af/at PoE   |
| <b>Buttons</b>                         | Reset button, power on/off push button   |
| <b>Lock slot</b>                       | Slot for Kensington lock   |
| <b>LEDs</b>                            | 1 LED  |
| <b>Physical Specifications</b>         |  |
| <b>Physical dimensions (W x D x H)</b> | 4.85 x 4.85 x 1.25 in. (123 x 123 x 31 mm)   |
| <b>Weight</b>                          | 0.67 lb (303 g)  |
| <b>Network Capabilities</b>            |  |
| <b>VLAN support</b>                    | Yes  |
| <b>Number of VLANs</b>                 | 1 management VLAN plus 8 VLANs for SSIDs   |
| <b>802.1X supplicant</b>               | Yes  |
| <b>SSID-to-VLAN mapping</b>            | Yes  |
| <b>Auto-channel selection</b>          | Yes  |
| <b>Spanning tree</b>                   | Yes  |
| <b>Load balancing</b>                  | Yes  |
| <b>IPv6</b>                            | Yes <ul style="list-style-type: none"> <li>IPv6 host support</li> <li>IPv6 RADIUS, syslog, Network Time Protocol (NTP)</li> </ul>  |
| <b>Layer 2</b>                         | 802.1Q-based VLANs, 8 active VLANs plus 1 management VLAN  |
| <b>Security</b>                        |  |
| <b>WPA/WPA2</b>                        | Yes, including enterprise authentication   |
| <b>Access control</b>                  | Yes, management Access Control List (ACL) plus MAC ACL   |
| <b>Secure management</b>               | HTTPS  |
| <b>SSID broadcast</b>                  | Yes  |
| <b>Rogue access point detection</b>    | Yes  |
| <b>Mounting and Physical Security</b>  |  |
| <b>Mounting options</b>                | Desktop  |
| <b>Physical security lock</b>          | Kensington lock slot   |
| <b>Quality of Service</b>              |  |
| <b>QoS</b>                             | Wi-Fi Multimedia and Traffic Specification (WMM TSPEC), client QoS   |

| Specifications   | Description   |  |   |
|--|---|--|---|
| <b>Performance</b>   |   |  |   |
| <b>Wireless throughput</b>   | Up to 867-Mbps data rate (real-world throughput will vary)  |  |   |
| <b>Recommended user support</b>  | Up to 64 connective users, 10 active users  |  |   |
| <b>Configuration</b>   |   |  |   |
| <b>Web user interface</b>  | Built-in web user interface for easy browser-based configuration (HTTP, HTTPS)  |  |   |
| <b>Management</b>  |   |  |   |
| <b>Management protocols</b>  | Web browser, Simple Network Management Protocol (SNMP) v3, Bonjour  |  |   |
| <b>Remote management</b>   | Yes   |  |   |
| <b>Event logging</b>   | Local, remote syslog, email alerts  |  |   |
| <b>Network diagnostics</b>   | Logging and packet capture  |  |   |
| <b>Web firmware upgrade</b>  | Firmware upgradable through web browser, imported or exported configuration file  |  |   |
| <b>Dynamic Host Configuration Protocol (DHCP)</b>  | DHCP client   |  |   |
| <b>IPv6 host</b>   | Yes   |  |   |
| <b>HTTP redirect</b>   | Yes   |  |   |
| <b>Wireless</b>  |   |  |   |
| <b>Frequency</b>   | Dual bands (2.4 and 5 GHz)  |  |   |
| <b>Radio technologies</b>  | 802.11b: Direct-Sequence Spread-Spectrum (DSSS)<br>802.11a/g/n/ac: Orthogonal Frequency Division Multiplexing (OFDM)  |  |   |
| <b>Modulation types</b>  | 802.11b: BPSK, QPSK, CCK<br>802.11a/g/n/ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM   |  |   |
| <b>WLAN</b>  | 802.11ac/n<br>2x2 Multiple-Input Multiple-Output (MIMO) with 2 spatial streams at 5 GHz<br>2x2 MIMO with 2 spatial streams at 2.4 GHz<br>20-, 40-, and 80-Mhz channels for 802.11ac<br>20 and 40 MHz for 802.11n<br>PHY data rate up to 867Mbps   |  |   |
| <b>Data rates supported</b>  | 802.11a/b/g:<br><ul style="list-style-type: none"> <li>• 54, 48, 36, 24, 18, 12, 9, 6, 11, 5.5, 2, and 1 Mbps</li> <li>• 802.11n: 6.5 to 300 Mbps <ul style="list-style-type: none"> <li>◦ 20-MHz bandwidth: MCS 0-15 for supported data rates</li> <li>◦ 40-MHz bandwidth: MCS 0-15 for supported data rates</li> </ul> </li> <li>• 802.11ac: 6.5 to 867 Mbps <ul style="list-style-type: none"> <li>◦ 20-MHz bandwidth: MCS 0-9 for supported data rates</li> <li>◦ 40-MHz bandwidth: MCS 0-9 for supported data rates</li> <li>◦ 80-MHz bandwidth: MCS 0-9 for supported data rates</li> </ul> </li> </ul>   |  |   |
| <b>Frequency band and operating channels</b>   | <table border="0"> <tr> <td style="vertical-align: top;"> <b>A/C Regulatory Domain</b> <ul style="list-style-type: none"> <li>• 2.412 to 2.462 GHz; 11 channels</li> <li>• 5.180 to 5.240 GHz; 4 channels</li> <li>• 5.745 to 5.825 GHz; 5 channels</li> </ul> <b>E/J Regulatory Domain:</b> <ul style="list-style-type: none"> <li>• 2.412 to 2.472 GHz; 13 channels</li> <li>• 5.180 to 5.240 GHz; 4 channels</li> </ul> </td> <td style="vertical-align: top;"> <b>K Regulatory Domain:</b> <ul style="list-style-type: none"> <li>• 2.412 to 2.472 GHz; 13 channels</li> <li>• 5.180 to 5.240 GHz; 4 channels</li> <li>• 5.745 to 5.805 GHz; 4 channels</li> </ul> </td> </tr> </table> | <b>A/C Regulatory Domain</b> <ul style="list-style-type: none"> <li>• 2.412 to 2.462 GHz; 11 channels</li> <li>• 5.180 to 5.240 GHz; 4 channels</li> <li>• 5.745 to 5.825 GHz; 5 channels</li> </ul> <b>E/J Regulatory Domain:</b> <ul style="list-style-type: none"> <li>• 2.412 to 2.472 GHz; 13 channels</li> <li>• 5.180 to 5.240 GHz; 4 channels</li> </ul> | <b>K Regulatory Domain:</b> <ul style="list-style-type: none"> <li>• 2.412 to 2.472 GHz; 13 channels</li> <li>• 5.180 to 5.240 GHz; 4 channels</li> <li>• 5.745 to 5.805 GHz; 4 channels</li> </ul> |
| <b>A/C Regulatory Domain</b> <ul style="list-style-type: none"> <li>• 2.412 to 2.462 GHz; 11 channels</li> <li>• 5.180 to 5.240 GHz; 4 channels</li> <li>• 5.745 to 5.825 GHz; 5 channels</li> </ul> <b>E/J Regulatory Domain:</b> <ul style="list-style-type: none"> <li>• 2.412 to 2.472 GHz; 13 channels</li> <li>• 5.180 to 5.240 GHz; 4 channels</li> </ul> | <b>K Regulatory Domain:</b> <ul style="list-style-type: none"> <li>• 2.412 to 2.472 GHz; 13 channels</li> <li>• 5.180 to 5.240 GHz; 4 channels</li> <li>• 5.745 to 5.805 GHz; 4 channels</li> </ul>   |  |   |

| Specifications  | Description  |   |   |
|---|--|---|---|
| <b>Non-overlapping channels</b>   | <table border="0"> <tr> <td style="vertical-align: top;"> <b>2.4 GHz</b> <ul style="list-style-type: none"> <li>• 802.11b/g <ul style="list-style-type: none"> <li>◦ 20 MHz: 3</li> </ul> </li> <li>• 802.11n <ul style="list-style-type: none"> <li>◦ 20 MHz: 3</li> </ul> </li> </ul> </td> <td style="vertical-align: top; padding-left: 20px;"> <b>5 GHz</b> <ul style="list-style-type: none"> <li>• 802.11a <ul style="list-style-type: none"> <li>◦ 20 MHz: 9</li> </ul> </li> <li>• 802.11n <ul style="list-style-type: none"> <li>◦ 20 MHz: 9</li> <li>◦ 40 MHz: 4</li> </ul> </li> <li>• 802.11ac <ul style="list-style-type: none"> <li>◦ 20 MHz: 9</li> <li>◦ 40 MHz: 4</li> <li>◦ 80 MHz: 2</li> </ul> </li> </ul> </td> </tr> </table> | <b>2.4 GHz</b> <ul style="list-style-type: none"> <li>• 802.11b/g <ul style="list-style-type: none"> <li>◦ 20 MHz: 3</li> </ul> </li> <li>• 802.11n <ul style="list-style-type: none"> <li>◦ 20 MHz: 3</li> </ul> </li> </ul> | <b>5 GHz</b> <ul style="list-style-type: none"> <li>• 802.11a <ul style="list-style-type: none"> <li>◦ 20 MHz: 9</li> </ul> </li> <li>• 802.11n <ul style="list-style-type: none"> <li>◦ 20 MHz: 9</li> <li>◦ 40 MHz: 4</li> </ul> </li> <li>• 802.11ac <ul style="list-style-type: none"> <li>◦ 20 MHz: 9</li> <li>◦ 40 MHz: 4</li> <li>◦ 80 MHz: 2</li> </ul> </li> </ul> |
| <b>2.4 GHz</b> <ul style="list-style-type: none"> <li>• 802.11b/g <ul style="list-style-type: none"> <li>◦ 20 MHz: 3</li> </ul> </li> <li>• 802.11n <ul style="list-style-type: none"> <li>◦ 20 MHz: 3</li> </ul> </li> </ul> | <b>5 GHz</b> <ul style="list-style-type: none"> <li>• 802.11a <ul style="list-style-type: none"> <li>◦ 20 MHz: 9</li> </ul> </li> <li>• 802.11n <ul style="list-style-type: none"> <li>◦ 20 MHz: 9</li> <li>◦ 40 MHz: 4</li> </ul> </li> <li>• 802.11ac <ul style="list-style-type: none"> <li>◦ 20 MHz: 9</li> <li>◦ 40 MHz: 4</li> <li>◦ 80 MHz: 2</li> </ul> </li> </ul>  |   |   |
| <b>Wireless isolation</b>   | Wireless isolation between clients   |   |   |
| <b>External antennas</b>  | None   |   |   |
| <b>Internal antennas</b>  | Internal Fixed Planar Inverted-F Antenna (PIFA)  |   |   |
| <b>Antenna gain In dBi</b>  | Maximum antenna gain of 4.02 dBi on 2.4 GHz<br>Maximum antenna gain of 5.63 dBi on 5 GHz   |   |   |
| <b>Wireless Distribution System (WDS)</b>   | Yes  |   |   |
| <b>Fast roaming</b>   | Yes  |   |   |
| <b>Multiple SSIDs</b>   | 8  |   |   |
| <b>Wireless VLAN map</b>  | Yes  |   |   |
| <b>WLAN security</b>  | Yes  |   |   |
| <b>Wi-Fi Multimedia (WMM)</b>   | Yes, with unscheduled automatic power save   |   |   |
| <b>Operating Modes</b>  |  |   |   |
| <b>Access point</b>   | Access Point mode, WDS Bridging, Workgroup Bridge mode   |   |   |
| <b>Environmental</b>  |  |   |   |
| <b>Power options</b>  | IEEE 802.3af Ethernet switch<br>Cisco Power Injector: SB-PWR-INJ2-xx<br>AC adapter included, 12V/1A<br>POE peak power: 6.5W  |   |   |
| <b>Compliance</b>   | Safety: <ul style="list-style-type: none"> <li>• UL 60950-1</li> <li>• CAN/CSA-C22.2 No. 60950-1</li> <li>• IEC 60950-1</li> <li>• EN 60950-1</li> </ul> Radio approvals: <ul style="list-style-type: none"> <li>• FCC Part 15.247, 15.407</li> <li>• RSS-210 (Canada)</li> <li>• EN 300.328, EN 301.893 (Europe)</li> <li>• AS/NZS 4268.2003 (Australia and New Zealand)</li> </ul> EMI and susceptibility (Class B): <ul style="list-style-type: none"> <li>• FCC Part 15.107 and 15.109</li> <li>• ICES-003 (Canada)</li> <li>• EN 301.489-1 and -17 (Europe)</li> </ul>  |   |   |
| <b>Operating temperature</b>  | 0° to 40°C (32° to 104°F)  |   |   |
| <b>Storage temperature</b>  | -20° to 70°C (-4° to 158°F)  |   |   |
| <b>Operating humidity</b>   | 10% to 85% noncondensing   |   |   |
| <b>Storage humidity</b>   | 5% to 90% noncondensing  |   |   |
| <b>System memory</b>  | 256 MB RAM<br>128 MB flash   |   |   |

| Specifications   | Description      |
|--|------------------|
| <b>Package Contents</b>  |                  |
| <ul style="list-style-type: none"> <li>• WAP125 Wireless-AC/N Dual Band Desktop Access Point</li> <li>• Power adapter 12V/1A</li> <li>• Quick-start guide</li> <li>• Ethernet network cable</li> </ul> |                  |
| <b>Minimum Requirements</b>  |                  |
| <ul style="list-style-type: none"> <li>• Switch/router with PoE support, PoE injector, or AC power adapter</li> <li>• Web-based configuration: Web browser</li> </ul>                                  |                  |
| <b>Warranty</b>  |                  |
| Access point   | Limited lifetime |

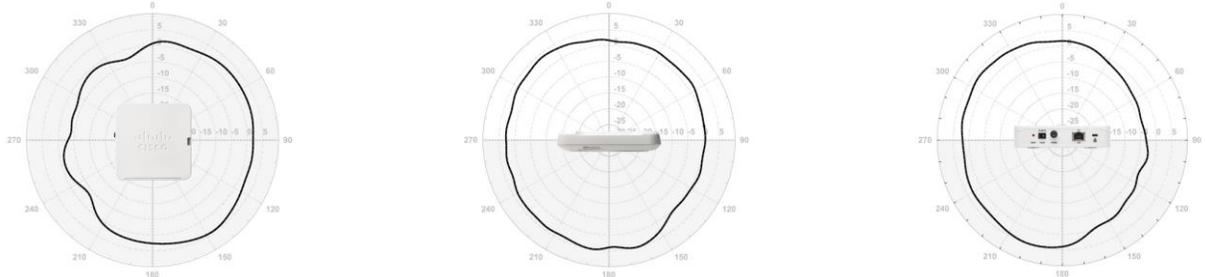
**Table 2.** RF performance

|                               | Maximum Transmit Power (dBm) Per Chain | Receiver Sensitivity (dBm) Per Chain |
|-------------------------------|--|--------------------------------------|
| <b>2.4 GHz – 802.11b</b>      |  |                                      |
| 1 Mbps                        | 18.0 +/- 1.5                           | -96.0                                |
| 11 Mbps                       | 18.0 +/- 1.5                           | -88.0                                |
| <b>2.4 GHz – 802.11g</b>      |  |                                      |
| 6 Mbps                        | 18.0 +/- 1.5                           | -92.0                                |
| 54 Mbps                       | 17.0 +/- 1.5                           | -75.0                                |
| <b>2.4 GHz – 802.11n HT20</b> |  |                                      |
| MCS0/8                        | 18.0 +/- 1.5                           | -92.0                                |
| MCS7/15                       | 17.0 +/- 1.5                           | -73.0                                |
| <b>2.4 GHz – 802.11n HT40</b> |  |                                      |
| MCS0/8                        | 17.0 +/- 1.5                           | -90.0                                |
| MCS7/15                       | 16.0 +/- 1.5                           | -71.0                                |
| <b>5 GHz – 802.11a</b>        |  |                                      |
| 6 Mbps                        | 17.0 +/- 1.5                           | -90.0                                |
| 54 Mbps                       | 15.0 +/- 1.5                           | -73.0                                |
| <b>5 GHz – 802.11n HT20</b>   |  |                                      |
| MCS0/8                        | 17.0 +/- 1.5                           | -90.0                                |
| MCS7/15                       | 14.0 +/- 1.5                           | -71.0                                |
| <b>5 GHz – 802.11n HT40</b>   |  |                                      |
| MCS0/8                        | 17.0 +/- 1.5                           | -88.0                                |
| MCS7/15                       | 14.0 +/- 1.5                           | -69.0                                |
| <b>5 GHz – 802.11ac HT20</b>  |  |                                      |
| MCS0                          | 17.0 +/- 1.5                           | -90.0                                |
| MCS8                          | 12.0 +/- 1.5                           | -67.0                                |
| <b>5 GHz – 802.11ac HT40</b>  |  |                                      |
| MCS0                          | 17.0 +/- 1.5                           | -88.0                                |
| MCS9                          | 12.0 +/- 1.5                           | -63.0                                |
| <b>5 GHz – 802.11ac HT80</b>  |  |                                      |
| MCS0                          | 17.0 +/- 1.5                           | -85.0                                |
| MCS9                          | 12.0 +/- 1.5                           | -60.0                                |

**Note:** This table shows the maximum capability of the hardware. The transmit power may be reduced to comply with local regulatory requirements.

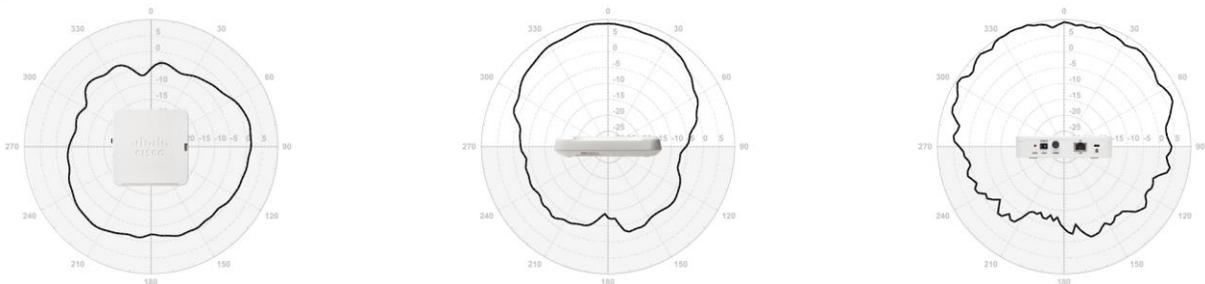
## Signal Coverage Patterns

### Radiation Pattern for 2.4GHz Antennas



### Radiation Pattern for 5GHz Antennas

CS



## Ordering information

Table 3 shows the product part numbers and descriptions to make ordering easier.

**Table 3.** Ordering information

| Part Number           | Description  |
|-----------------------|--|
| <b>WAP125-A-K9-NA</b> | Cisco WAP125 Wireless-AC/N Dual Band Desktop Access Point with PoE (United States, Canada, Colombia, Mexico)                           |
| <b>WAP125-B-K9-BR</b> | Cisco WAP125 Wireless-AC/N Dual Band Desktop Access Point with PoE (Brazil)  |
| <b>WAP125-A-K9-AR</b> | Cisco WAP125 Wireless-AC/N Dual Band Desktop Access Point with PoE (Argentina)   |
| <b>WAP125-A-K9-AU</b> | Cisco WAP125 Wireless-AC/N Dual Band Desktop Access Point with PoE (Australia, New Zealand)  |
| <b>WAP125-E-K9-EU</b> | Cisco WAP125 Wireless-AC/N Dual Band Desktop Access Point with PoE (EU Regions, Philippines, Thailand, Vietnam, South Africa, Chile)   |
| <b>WAP125-E-K9-UK</b> | Cisco WAP125 Wireless-AC/N Dual Band Desktop Access Point with PoE (United Kingdom, Saudi Arabia, UAE, Hong Kong, Singapore, Malaysia) |
| <b>WAP125-E-K9-IN</b> | Cisco WAP125 Wireless-AC/N Dual Band Desktop Access Point with PoE (India)   |
| <b>WAP125-C-K9-CN</b> | Cisco WAP125 Wireless-AC/N Dual Band Desktop Access Point with PoE (China)   |
| <b>WAP125-K-K9-KR</b> | Cisco WAP125 Wireless-AC/N Dual Band Desktop Access Point with PoE (Korea)   |
| <b>WAP125-J-K9-JP</b> | Cisco WAP125 Wireless-AC/N Dual Band Desktop Access Point with PoE (Japan)   |

## Cisco limited lifetime warranty for Cisco small business products

This Cisco Small Business product comes with a limited lifetime hardware warranty. Product warranty terms and other information applicable to Cisco products are available at <https://www.cisco.com/go/warranty>.

---

## Cisco small business support service

This optional service offers affordable, 3-year peace-of-mind coverage. This subscription-based, device-level service helps you protect your investment and derive maximum value from Cisco Small Business products.

Delivered by Cisco and backed by your trusted partner, this comprehensive service includes software updates, extended access to the Cisco Small Business Support Center, and expedited hardware replacement, should it be required.

## Cisco capital

### Financing to help you achieve your objectives

Cisco Capital<sup>®</sup> can help you acquire the technology you need to achieve your objectives and stay competitive. We can help you reduce CapEx. Accelerate your growth. Optimize your investment dollars and ROI. Cisco Capital financing gives you flexibility in acquiring hardware, software, services, and complementary third-party equipment. And there's just one predictable payment. Cisco Capital is available in more than 100 countries. [Learn more.](#)

## For more information

For more information on Cisco Small Business products and solutions, visit <https://www.cisco.com/smallbusiness> or <https://www.cisco.com/go/wap100>.



---

**Americas Headquarters**  
Cisco Systems, Inc.  
San Jose, CA

**Asia Pacific Headquarters**  
Cisco Systems (USA) Pte. Ltd.  
Singapore

**Europe Headquarters**  
Cisco Systems International BV Amsterdam,  
The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at <https://www.cisco.com/go/offices>.

 Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: <https://www.cisco.com/go/trademarks>. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)