AP5022, AP5022S6D, and AP5022FX Indoor Access Point Installation Guide

Setup, Configuration, and Specifications

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June 2026

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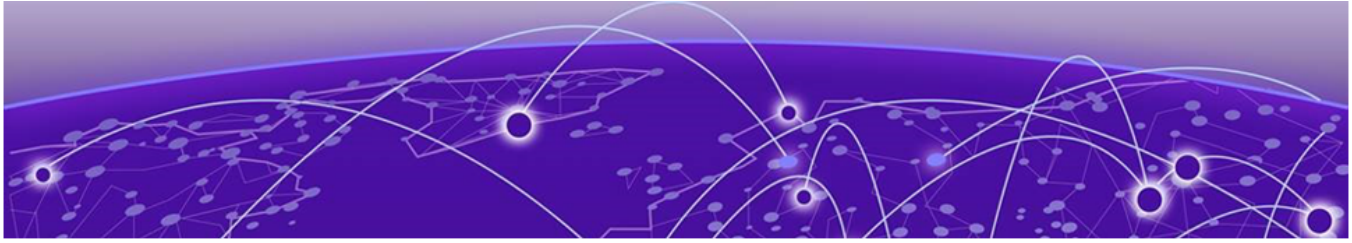

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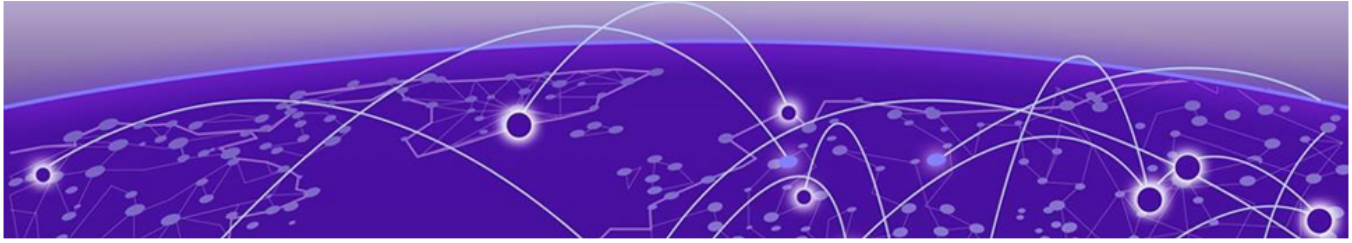


Abstract

This installation guide for the AP5022, AP5022FX, and AP5022S6D indoor access points describes deployment, configuration, and operational requirements for Extreme Networks' Wi-Fi 7 quad radio platforms supporting 2.4GHz, 5GHz, and 6GHz bands with selectable modes for dual band, tri band sensing, and IoT integration. It outlines hardware capabilities including multirate 10 GbE Ethernet with PoE (802.3at/bt), MACsec, internal or external antennas, dual IoT radios, USB interfaces, and LED behaviors across ExtremeCloud IQ and Controller environments. Installation instructions cover wall, ceiling, beam, and junction box mounting, along with antenna port mapping, power profiles, and environmental considerations. Deployment guidance includes site survey recommendations, DNS/NTP prerequisites, onboarding through the ExtremeCloud IQ Mobile app, and security features such as WPA3, PPSK, Fabric Attach, and L2–L7 DPI inspection. Troubleshooting steps address console access, reset procedures, LED diagnostics, and common installation issues, with regulatory requirements defining indoor use constraints and RF exposure limits.

Text Conventions

Unless otherwise noted, information in this document applies to all supported environments for the products in question. Exceptions, like command keywords associated with a specific software version, are identified in the text.

When a feature, function, or operation pertains to a specific hardware product, the product name is used. When features, functions, and operations are the same across an entire product family, such as Extreme Networks switches, the product is referred to as *the switch*.

Table 1: Notes and warnings

Icon	Notice type	Alerts you to...
	Tip	Helpful tips and notices for using the product
	Note	Useful information or instructions
	Important	Important features or instructions
	Caution	Risk of personal injury, system damage, or loss of data
	Warning	Risk of severe personal injury

Table 2: Text

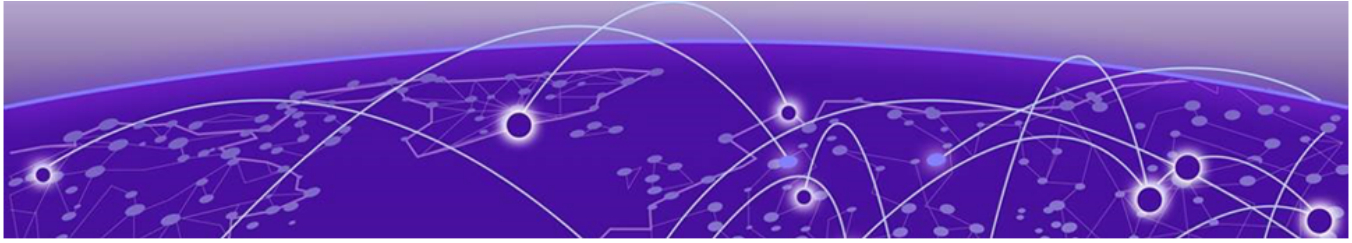
Convention	Description
`screen displays`	This typeface indicates command syntax, or represents information as it is displayed on the screen.
The words *enter* and *type*	When you see the word *enter* in this guide, you must type something, and then press the Return or Enter key. Do not press the Return or Enter key when an instruction simply says *type*.

Table 2: Text (continued)

Convention	Description
Key names	Key names are written in boldface, for example **Ctrl** or **Esc**. If you must press two or more keys simultaneously, the key names are linked with a plus sign (+). Example: Press **Ctrl**+**Alt**+**Del**
Words in italicized type	Italics emphasize a point or denote new terms at the place where they are defined in the text. Italics are also used when referring to publication titles.
NEW!	New information. In a PDF, this is searchable text.

Table 3: Command syntax

Convention	Description
bold text	Bold text indicates command names, keywords, and command options.
italic text	Italic text indicates variable content.
[ ]	Syntax components displayed within square brackets are optional. Default responses to system prompts are enclosed in square brackets.
{ **x** | **y** | **z** }	A choice of required parameters is enclosed in curly brackets separated by vertical bars. You must select one of the options.
x | **y**	A vertical bar separates mutually exclusive elements.
< >	Nonprinting characters, such as passwords, are enclosed in angle brackets.
...	Repeat the previous element, for example, *member*[*member*...].
\	In command examples, the backslash indicates a “soft” line break. When a backslash separates two lines of a command input, enter the entire command at the prompt without the backslash.



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- Release Notes
- Hardware and Software Compatibility for Extreme Networks products
- Extreme Optics Compatibility
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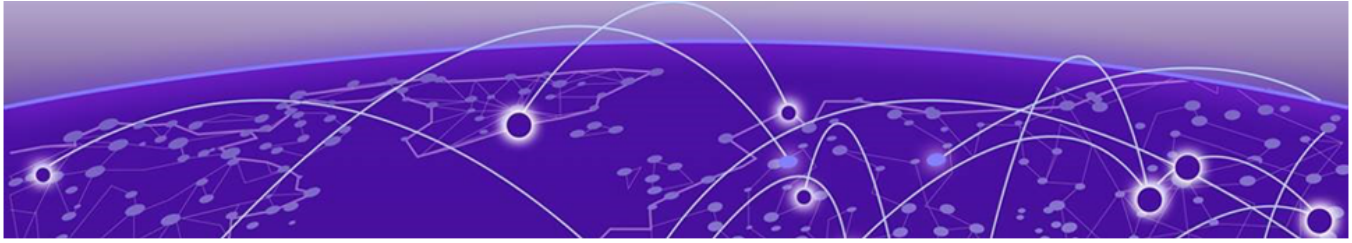

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- Your Extreme Networks service contract number, or serial numbers for all involved Extreme Networks products
- A description of the failure
- A description of any actions already taken to resolve the problem
- A description of your network environment (such as layout, cable type, other relevant environmental information)
- Network load at the time of trouble (if known)
- The device history (for example, if you have returned the device before, or if this is a recurring problem)
- Any related RMA (Return Material Authorization) numbers

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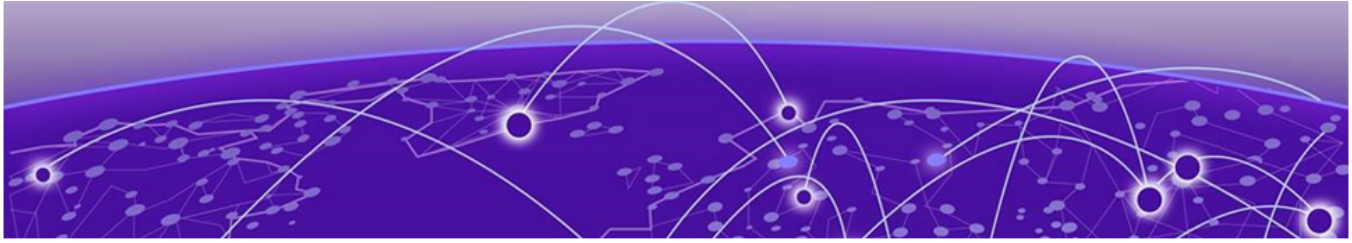

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- Improvements that would help you find relevant information.
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Provide as much detail as possible including the publication title, topic heading, and page number (if applicable), along with your comments and suggestions for improvement.

Overview

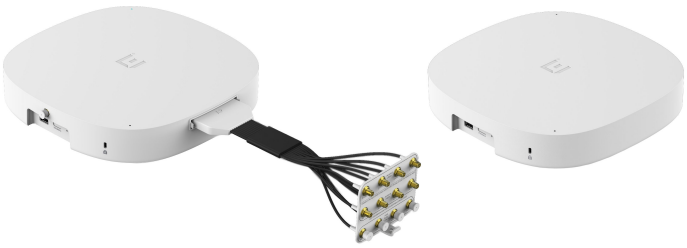


Figure 1: AP5022FX and AP5022

The AP5022, AP5022FX, and AP5022S6D are universal *indoor* access points with a Wi-Fi 7 quad-radio. They are designed for high-density environments where a large number of people will access your network such as schools, warehouses, health care facilities, and stadiums.

The AP5022 Series includes three models, each designed for specific deployment needs:

- AP5022 – Internal omni-directional antennas.
- AP5022S6D – 60° internal directional antennas.

- AP5022FX – Internal 6GHz radio for LPI for countries where external antenna ports are not supported.

Note
For Global markets: The AP5022FX uses the internal 6GHz radio for Low Power Indoor (LPI).

The access points (APs) in the series uses the 802.11 wireless standards (802.11a/b/g/n/ac/ax/be) for network communications, and bridge network traffic to an Ethernet LAN. They can operate in either the cloud with ExtremeCloud IQ or in an on-premise environment with ExtremeCloud IQ Controller.

You can operate the radios across three bands - 2.4 GHz (4x4:4), 5 GHz (4x4:4), and 6 GHz (4x4:4). Operate the APs in one of the following three modes:

- Mode 1: 2.4 GHz/5 GHz/6 GHz plus a tri-band sensor
- Mode 2: 5 GHz (Low)/5 GHz (High)/6 GHz plus a tri-band sensor
- Mode 3: 5 GHz/6 GHz (High)/ 6 GHz (Low) plus a tri-band sensor

Purchase Information

Use the information below when you order your AP. The AP5022 ships with the AH-ACC-BKT-AX-TB bracket.

Note
6 GHz indoor operation is country dependent.
For AP5022FX units outside the US and Canada, the internal 6 GHz radio is enabled to support Low Power Indoor (LPI) operation

Table 4: AP5022, AP5022S6D and AP5022FX SKUs

SKU	Description
AP5022-WW	Indoor Quad Radio Wi-Fi 7 (4x4:4): 2.4 GHz, 5 GHz, 6 GHz and dedicated full time sensor, Dual IOT, Dual 5 GHz, Dual 6 GHz, Multi-Rate Port, Internal antennas. T-Bar, Incl Mt (AH-ACC-BKT-AX-TB). Domain: World SKU
AP5022-WW-TAA	Indoor Quad Radio Wi-Fi 7 (4x4:4): 2.4 GHz, 5 GHz, 6 GHz and dedicated full time sensor, Dual IOT, Dual 5 GHz, Dual 6 GHz, Multi-Rate Port, Internal antennas. T-Bar, Incl Mt (AH-ACC-BKT-AX-TB). Domain: World SKU TAA Compliant

Table 4: AP5022, AP5022S6D and AP5022FX SKUs (continued)

SKU	Description
AP5022S6D-WW	Indoor Quad Radio Wi-Fi 7 (4x4:4): 2.4 GHz, 5 GHz, 6 GHz and dedicated full time sensor, Dual IOT, Dual 5 GHz, Dual 6 GHz, Multi-Rate Port, Internal 60 Degree directional antennas. T-Bar, Incl Mt (AH-ACC-BKT-AX-TB). Domain: World SKU
AP5022FX-WW	Indoor Quad Radio Wi-Fi 7 (4x4:4): 2.4 GHz, 5 GHz, 6 GHz and dedicated full time sensor, Dual IOT, Dual 5 GHz, Dual 6 GHz, Multi-Rate Port, Extended Temp, External antennas. T-Bar, Incl Mt (AH-ACC-BKT-AX-TB). Domain: World SKU

Hardware Ports

The AP5022, AP5022S6D, and AP5022FX have the following Ethernet ports:

- ETH0, ETH1: (2) wired Ethernet ports (RJ45)
- ETH0: 100/1,000/2,500/5,000/10,000 Mbps autosensing link speed Ethernet port, Power over Ethernet (PoE) PD, MACsec (802.1AE)
- ETH1: 100/1,000/2,500/5,000/10,000 Mbps autosensing link speed Ethernet port, PoE PD in or 15.4W PSE out mode (requires 802.3bt on Eth0)
- 802.3az Energy-Efficient Ethernet (EEE)
- USB 2.0, Type A, 5V/1,000mA with PoE 802.3bt

AP5022 and AP5022S6D Ports and Hardware Features

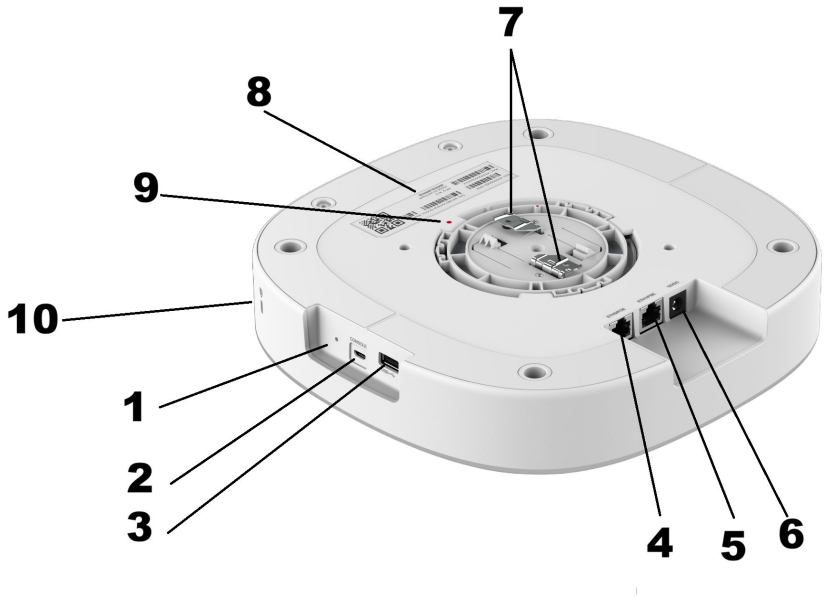


Figure 2: AP5022 and AP5022S6D Ports

Table 5: Ports and Connectors

Number	Label	Description
1	Reset	Push to do a reboot or factory reset.
2	Console	Micro USB console port for a serial connection between your management system and the access point. Use the port when you troubleshoot the AP. **Tip:** The best practice is to use the Extreme Networks micro USB cable (ACC-WIFI-MICRO-USB). When you connect to the device, the management station must have a VT100 emulation program, such as the terminal emulator TeraTerm Pro or Hilgraeve HyperTerminal. Set your baud rate to 115200. **Note:** The console port can only be used with the Extreme Networks console cable. You could damage the AP if you use another cable.
3	USB	2.0 USB type A. Used with a thumb drive or other external device.
4	ETH0/PoE	Ethernet ports.
5	ETH1/PoE	

Table 5: Ports and Connectors (continued)

Number	Label	Description
6	12vDC	Connection for 12 volt DC adapter.
7	-	Metal clips for T-bar installation.
8	-	Label for MAC address, QR code, etc.
9	-	Red dot for positioning the AP during installment.
10	Keningston security slot	Used to secure the AP.

AP5022FX Ports and Hardware Features

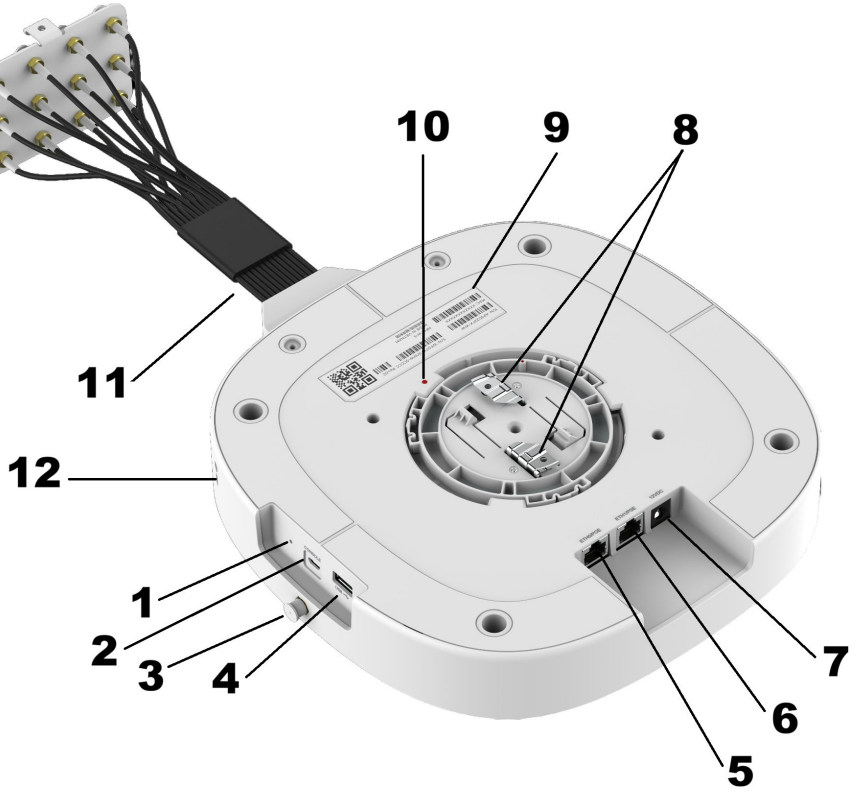


Figure 3: AP5022FX Ports

Table 6: Ports and Connectors

Number	Label	Description
1	Reset	Push to do a reboot or factory reset.
2	Console	Micro USB console port for a serial connection between your management system and the access point. Use the port when you troubleshoot the AP. **Tip:** The best practice is to use the Extreme Networks micro USB cable (ACC-WIFI-MICRO-USB). When you connect to the device, the management station must have a VT100 emulation program, such as the terminal emulator TeraTerm Pro or Hilgraeve HyperTerminal. Set your baud rate to 115200. **Note:** The console port can only be used with the Extreme Networks console cable. You could damage the AP if you use another cable.
3	BLE	Bluetooth Low Energy. May have a dust cap on it.
4	USB	2.0 USB type A. Used with a thumb drive or other external device.
5	ETH0/PoE	Ethernet ports.
6	ETH1/PSE	
7	12vDC	Connection for 12 volt DC adapter.
8	-	Metal clips for T-bar installation.
9	-	Label for MAC address, QR code, etc.
10	-	Red dot for positioning the AP during installment.
11	-	Break-out cable for antenna connections.
12	Keningston security slot	Used to secure the AP.

Technical Specifications

The AP5022, AP5022S6D and AP5022FX support both 802.3at PoE and 802.3bt PoE. It is supported on the following platforms:

- ExtremeCloud IQ
- ExtremeCloud IQ Controller.

For more information about the technical specifications, see the Data Sheets found here.

Note
Brazil requires the use of Cat6 shielded cable.

Physical Dimensions

The AP5022, AP5022S6D and AP5022FX have following dimensions and weight:

Table 7: AP5022, AP5022S6D and AP5022FX Physical Dimensions

Model	Dimensions	Weight
AP5022	258mm × 258mm × 46mm (10.16 in. × 10.16 in. × 1.81 in.)	1.62 kg (3.57 lbs.)
AP5022S6D	258mm × 258mm × 46mm (10.16 in.× 10.16 in. × 1.81 in.)	1.53 kg (3.37 lbs.)
AP5022FX	258mm × 265mm × 46mm (10.16 in. × 10.43 in. × 1.81 in.)	1.53 kg (3.37 lbs.)

Environmental Specifications

The following list shows the environmental operating conditions for the AP5022, AP5022S6D and AP5022FX:

- AP5022 Operating: 0°C to 50°C (32°F to 122°F)
- AP5022S6D Operating: 0°C to 50°C (32°F to 122°F)
- AP5022FX Operating: -20°C to 50°C (-4°F to 122°F)
- AP5022, AP5022S6D, AP5022FX Storage: 0°C to 70°C (32°F to 158°F)": 0°C to 70°C (32°F to 158°F)
- AP5022, AP5022S6D, AP5022FX Humidity: 0% to 95% (non-condensing)

Antenna Gain

Use the information in the following tables as you plan your deployment.

Table 8: AP5022 Max Antenna Gain

Software Mode	Radio 1	Radio 2	Radio 3	Scan Radio	IoT Radio 1	IoT Radio 2
1	2.4 GHz - 3.5dBi	5 GHz - 6.7dBi (4x4)	6 GHz - 5.7dBi	2.4 GHz - 3.1dBi 5 GHz - 4.7dBi 6 GHz - 6.1dBi	5.4dBi	4dBi
2	5 GHz - 5.3dBi					
3	6 GHz - 5.1dBi					

Table 9: AP5022S6D Max Antenna Gain

Software Mode	Radio 1	Radio 2	Radio 3	Scan Radio	IoT Radio 1	IoT Radio 2
1	2.4 GHz – 3.5 dBi	5 GHz - 7.0 dBi	6 GHz – 7.2 dBi	2.4 GHz – 3.3 dBi 5 GHz – 4.7 dBi 6 GHz - 5.8 dBi	4.8 dBi	4.2 dBi
2	5 GHz – 6.7 dBi					
3	6 GHz – 6.5 dBi					

Radiation Patterns

The following polar diagrams show the antenna radiation patterns for each frequency band. Vertical patterns show the elevation plane; horizontal patterns show the azimuth plane.

2 GHz Antenna Radiation Patterns

The following diagrams illustrate the radiation patterns for 2.4 GHz.

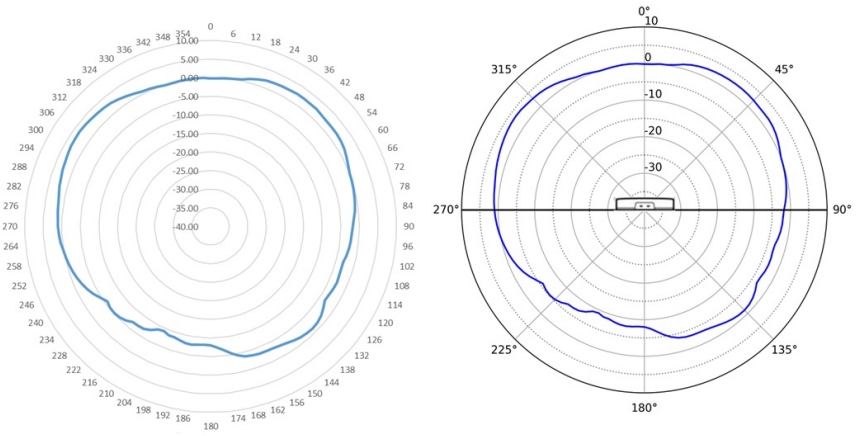


Figure 4: Radiation Pattern - 2 GHz Vertical

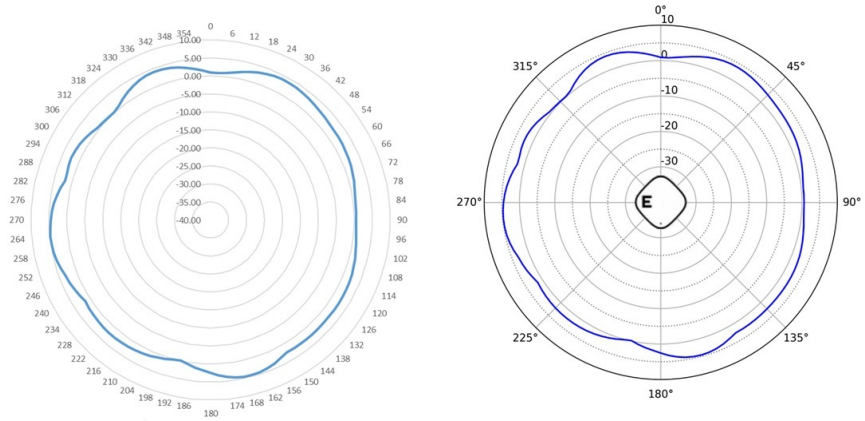


Figure 5: Radiation Pattern - 2 GHz Horizontal

5 GHz Antenna Radiation Patterns

The following diagrams illustrate the radiation patterns for 5 GHz.

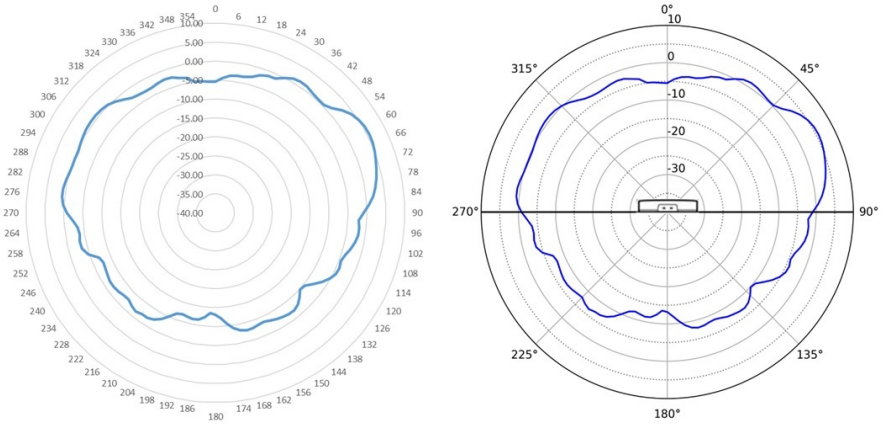


Figure 6: Radiation Pattern - 5 GHz Vertical

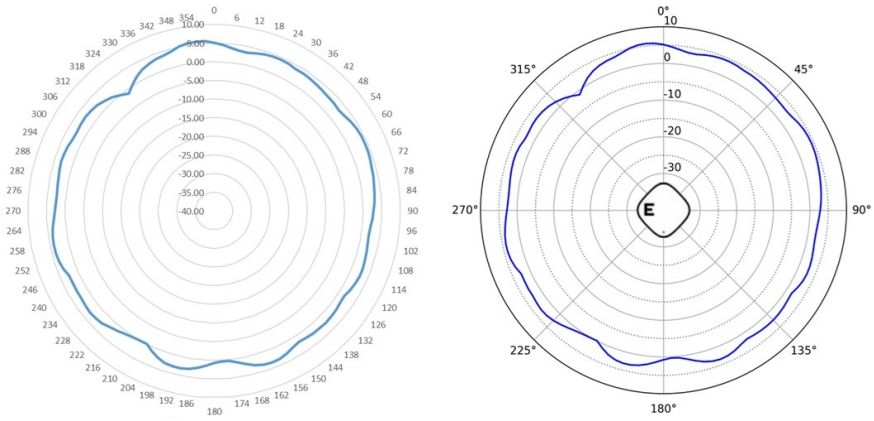


Figure 7: Radiation Pattern - 5 GHz Horizontal

5 GHz Low Antenna Radiation Patterns

The following diagrams illustrate the radiation patterns for 5 GHz low.

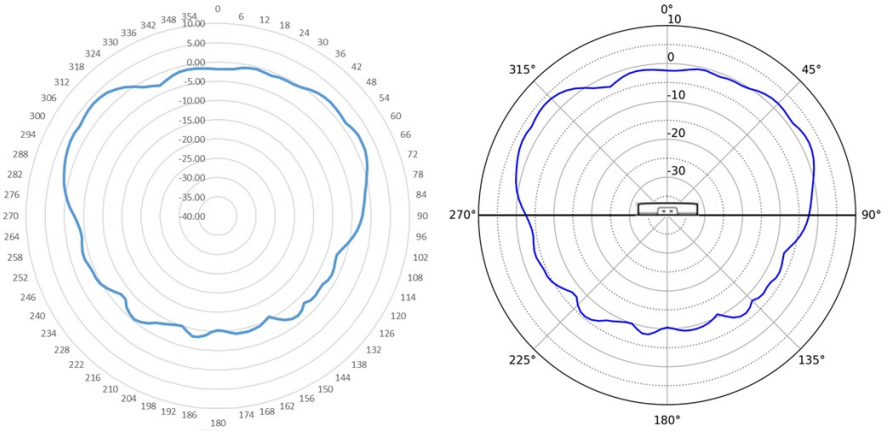


Figure 8: Radiation Pattern - 5 GHz Low Vertical

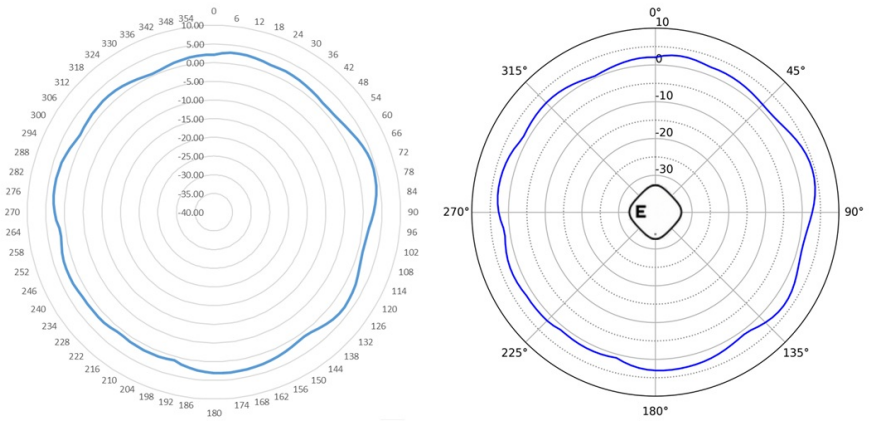


Figure 9: Radiation Pattern - 5 GHz Low Horizontal

6 GHz Antenna Radiation Patterns

The following diagrams illustrate the radiation patterns for 6 GHz antenna.

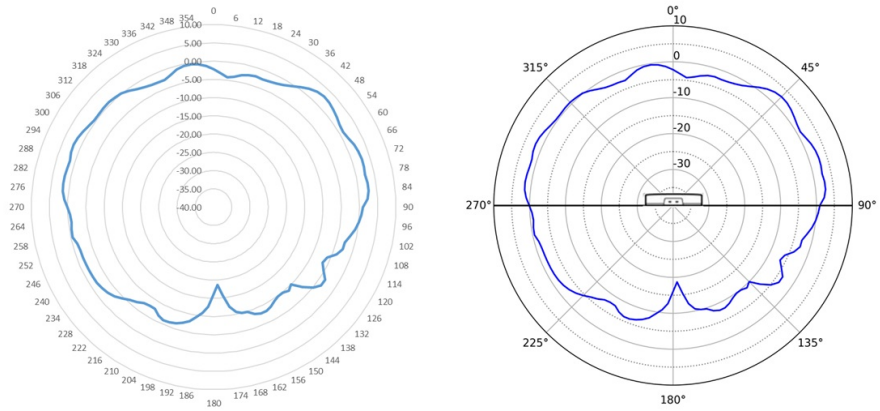


Figure 10: Radiation Pattern - 6 GHz Vertical

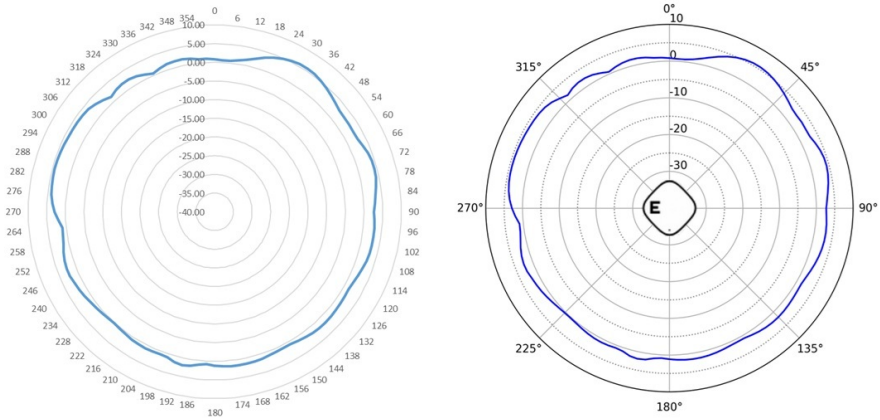


Figure 11: Radiation Pattern - 6 GHz Horizontal

6 GHz High Antenna Radiation Patterns

The following diagrams illustrate the radiation patterns for 6 GHz high.

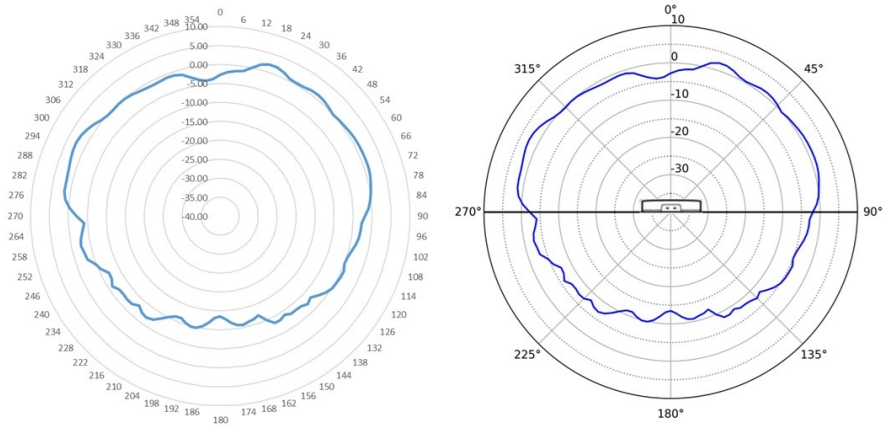


Figure 12: Radiation Pattern - 6 GHz High Vertical

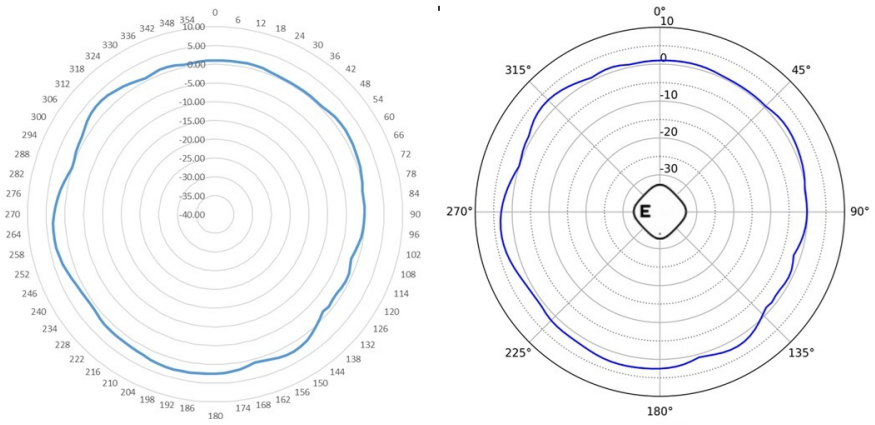


Figure 13: Radiation Pattern - 6 GHz High Horizontal

2.4 GHz Scan Radiation Patterns

The following diagrams illustrate the radiation patterns for 2.4 GHz scan.

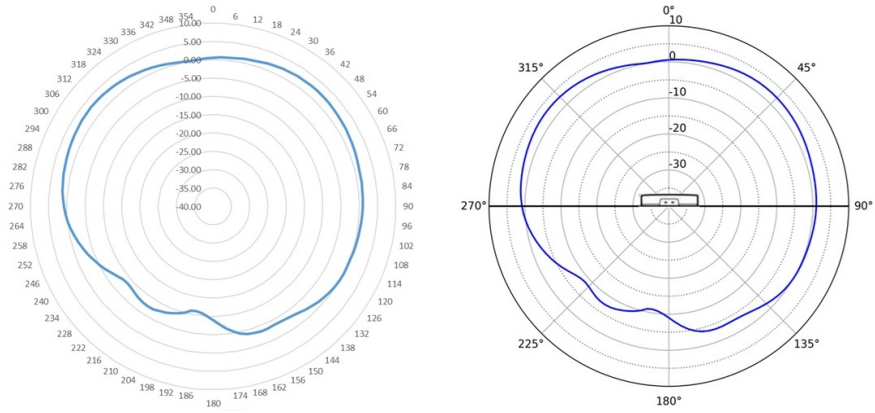


Figure 14: Radiation Pattern - 2.4 GHz Scan Vertical

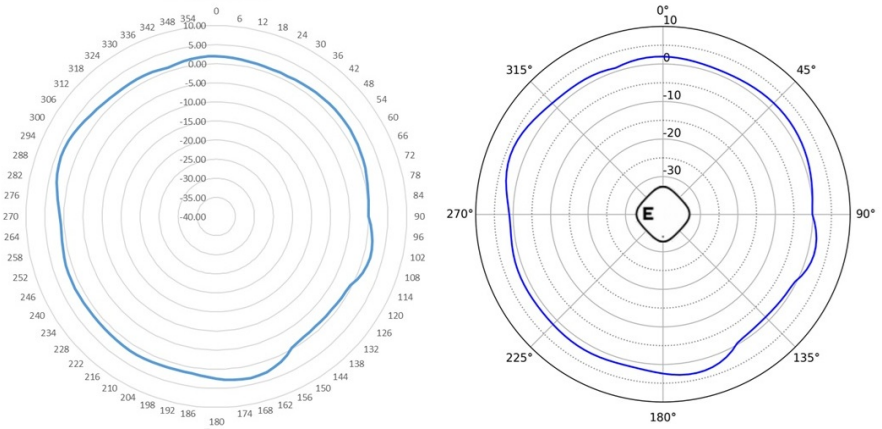


Figure 15: Radiation Pattern - 2.4 GHz Scan Horizontal

5 GHz Scan Radiation Patterns

The following diagrams illustrate the radiation patterns for 5 GHz scan.

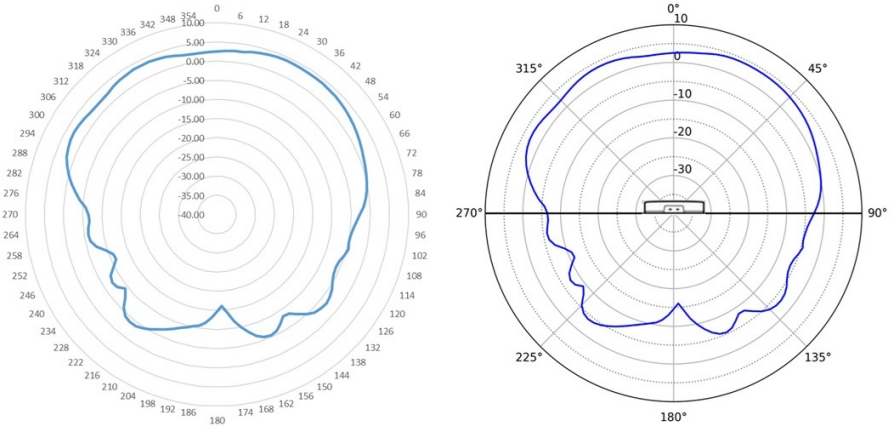


Figure 16: Radiation Pattern - 5 GHz Scan Vertical

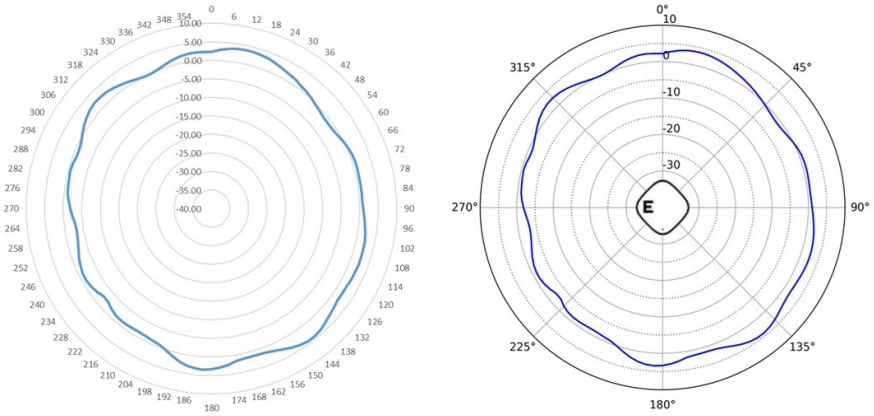


Figure 17: Radiation Pattern - 5 GHz Scan Horizontal

6 GHz Scan Radiation Patterns

The following diagrams illustrate the radiation patterns for 6 GHz scan.

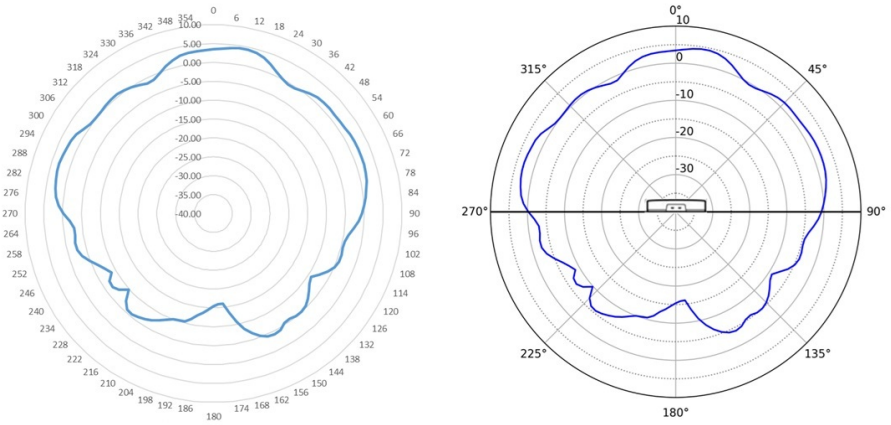


Figure 18: Radiation Pattern - 6 GHz Scan Vertical

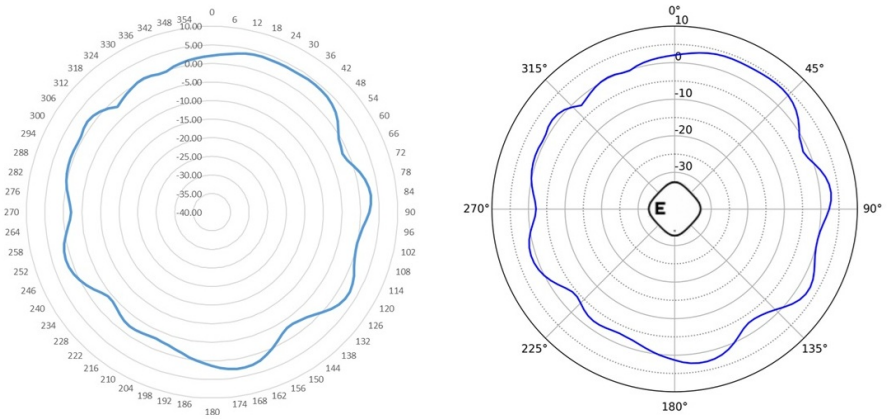


Figure 19: Radiation Pattern - 6 GHz Scan Horizontal

Bluetooth Low Energy 1

The following diagrams illustrate the radiation patterns for Bluetooth Low Energy (BLE) 1.

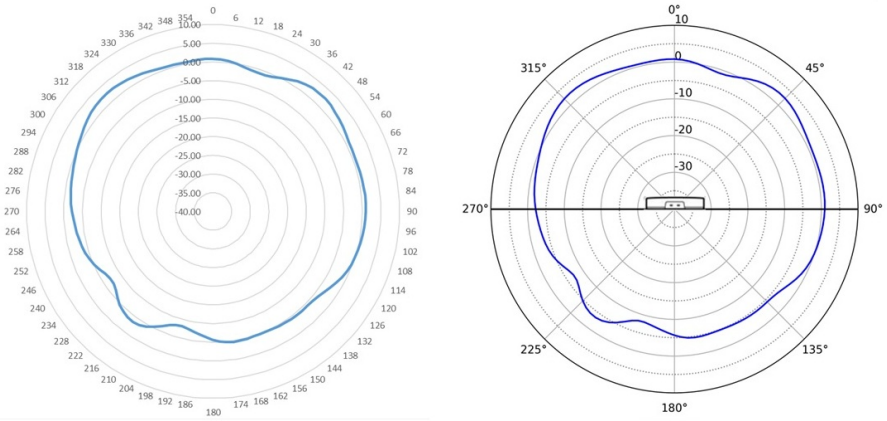


Figure 20: Radiation Pattern - BLE 1 Vertical

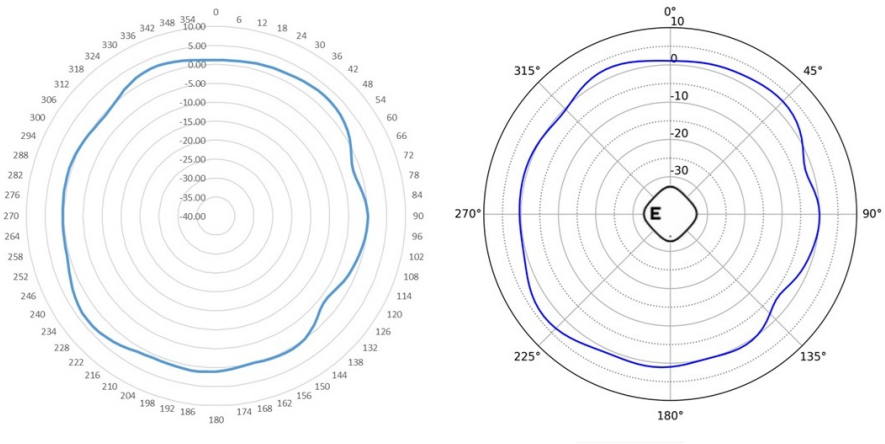


Figure 21: Radiation Pattern - BLE 1 Horizontal

Bluetooth Low Energy 2

The following diagrams illustrate the radiation patterns for Bluetooth Low Energy (BLE) 2.

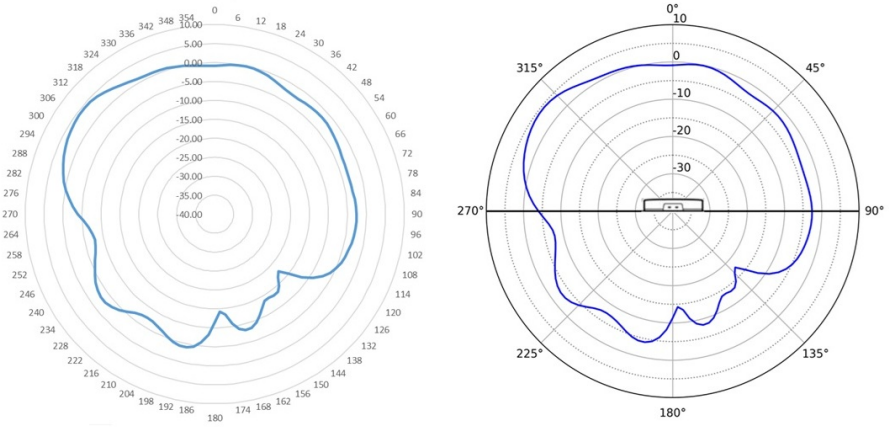


Figure 22: Radiation Pattern - BLE 2 Vertical

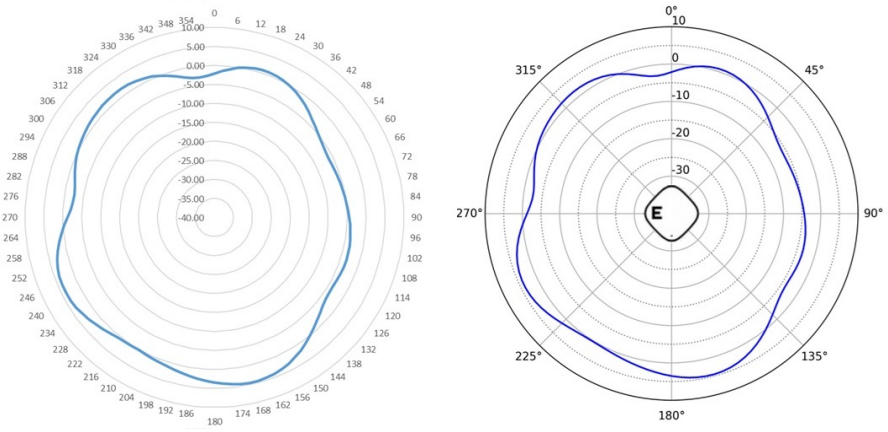


Figure 23: Radiation Pattern - BLE 2 Horizontal

LED Descriptions

The LED status light shows the AP's operating status. A solid white means that the AP is working normally. A solid or blinking amber indicates an issue.

The following table shows the LED states based on your firmware platform.

Table 10: ExtremeCloud IQ LED Activity

Status	Activity
Dark	Power is off.
Solid white	The device power is on and the AP is ready to use. The device has successfully established a Control And Provisioning of Wireless Access Points (CAPWAP) connection to ExtremeCloud IQ and is operating normally.
Solid amber	The power is on and the AP is in boot up mode, or is running without a CAPWAP connection.
Fast-blinking amber	The IQ Engine firmware is updating.

Table 11: ExtremeCloud IQ Controller LED Activity

Status	Activity
Dark	Power is off or the AP is taken over by the controller. Configuration pushes down to AP from controller to turn off the LED.
Solid white	The AP is starting up or is already taken over by the controller.
Flashing fading white	Configuration pushes down to AP from controller helping the user locate the AP by sight.
Solid amber	A firmware upgrade is occurring.
Fast-blinking amber	The AP is acquiring the DHCP IP.

Radios

The AP5022, AP5022S6D and AP5022FX have a five radio design with three 4x4:4 radios (2.4 GHz, 5 GHz, and 6 GHz bands), dual IoT radios and a dedicated Tri-band 2x2 sensor.

Note
6GHz is country dependent.

Software radio modes:

- Mode 1: 2.4 GHz / 5 GHz/ 6 GHz data radios plus a tri-band sensor
- Mode 2: 5 GHz / 5 GHz /6 GHz data radios plus a tri-band sensor
- Mode 3: 6 GHz / 5 GHz / 6 GHz data radio plus a tri-band sensor

Power Profiles

The following tables show the power profiles for the radio modes. Use this information to plan for power consumption as you deploy your APs.

Regular Power Profiles

The following tables show the regular 802.3at and 802.3bt power profiles for the radio modes.

Table 12: 802.3at Power Profile

Software Mode	Radio-1	Radio-2	Radio-3	Radio-4
1	2.4 GHz (4X4)	5 GHz (4X4)	6 GHz (4X4)	Scan (2X2)
2	5 GHz-Low (4X4)	5 GHz-High (4X4)	6 GHz (4X4)	Scan (2X2)
3	6 GHz-High (4X4)	5 GHz (4X4)	6 GHz-Low (4X4)	Scan (2X2)

Table 13: 802.3bt Power Profile

Software Mode	Radio-1	Radio-2	Radio-3	Radio-4
1	2.4 GHz (4X4)	5 GHz (4X4)	6 GHz (4X4)	Scan (2X2)
2	5 GHz-Low (4X4)	5 GHz-High (4X4)	6 GHz (4X4)	Scan (2X2)
3	6 GHz-High (4X4)	5 GHz (4X4)	6 GHz-Low (4X4)	Scan (2X2)

1Gbps Throughput Power Profiles

The following tables show the power profiles for the 1Gbps Throughput option. Use this information to plan for power consumption as you deploy your APs.

Important
The following table documents only the 1 Gbps power profile. For the regular 802.3at Power Profiles, see Regular Power Profiles.

Table 14: 802.3at Power Profile (1Gbps Throughput)

	Radio-1	Radio-2	Radio-3	Radio-4	IoT	PSE	USB
Triband and sensor	2.4 GHz 16dBm, 2x2	5 GHz 17dBm, 4x4 (40MHz BW)	6 GHz 16dBm, 3x3 (80MHz BW)	Scan (2X2)	Yes	No	No

Power Options

The AP5022, AP5022S6D and AP5022FX supports the following power options:

- Power draw: 802.3at PoE: typical 21W, max. 25.5W (802.3at profile) w/o PoE out or USB
- Power draw: 802.3bt: typical 26W w/o USB, max 38W with 5W USB, 32W w/o USB 12V DC/3A. DC power has priority when both DC and PoE power sources are available

MAC Address

The media access control address (MAC address) is located on the bottom of the access point. You can record the address for your company's records by scanning the code.

Accessories

The following accessories are supported on the AP5022, AP5022S6D and AP5022FX.

AP5022FX Supported Antennas

The following antennas are compatible with the AP5022FX .

Note
For WiFi 6GHz Standard power access points: The antenna height shall be determined by the installer or operator of the standard-power access point or fixed client device, or by automatic means. This information shall be stored internally in the device. Provision of accurate device information is mandatory.

Table 15: Supported Antennas

Part Number	Description
ACC-CBL-BRKOUT-12RPSMA (Breakout cable AP5022FX spare)	12 RPSMA Port Breakout antenna cable for AP5022FX using LMR-100 cable and 9" long. May be installed on a pole/wall.
AI-TS06360	3dBi (2.4 GHz) and 5dBi (5 and 6 GHz) Indoor Dipole Tri-band with RP-SMA connector. IoT only.
AI-TQ08055	7dBi (2.4 GHz) and 6dBi (5 and 6 GHz) Indoor Quad Sector 2.4GHz 65 Degrees and 5GHz 55 Degrees Tri-band with attached 1 meter 4-port RP-SMA cable. Mount included.
AIO-DQ15021-RPSMA	15 dBi Indoor/Outdoor Four-port, 2.4GHz and 5GHz, Directional 21 Degree with 36-inch RPSMA cable.
AIO-HQ17020	17dBi (5 and 6 GHz) Indoor Quad Directional 20 Degree with detachable 1 meter 4-port RP-SMA cable. Mount included.
AI-TQ06120	6dBi Indoor Quad Sector 120 Degree Tri-band with attached 1 meter 4-port RP-SMA cable. Mount included.

Mounting Accessories

Use the following accessories to mount your AP.

Table 16: Brackets and Mounting Accessories

Part Number	Description	Notes
AH-ACC-BKT-AX-TB	Mounting bracket for Prelude 15/16 in. and Suprafine 9/16 in. ceilings and walls.	Ships with AP5022 Can be used for wall - 0.25 in.
AH-ACC-BKT-AX-WL	Mounting bracket for direct-to-wall installations.	Can be used for wall - 1.25 in.
AH-ACC-BKT-AX-IL	Mounting bracket for Interlude ceilings.	

Table 16: Brackets and Mounting Accessories (continued)

Part Number	Description	Notes
AH-ACC-BKT-AX-SL	Mounting bracket for Armstrong 1/8 in. and 1/4 in. main beam. Silhouette reveal ceiling grids.	Up to 0.33 in. ceiling tile protrusion.
ACC-BKT-AX-JB	Junction box or wall mounting for indoor APs.	Gang/junction box.
ACC-BKT-AX-BEAM	Beam mounting for indoor APs.	Up to 0.78 in. thick beam.
AH-ACC-BKT-916-KIT	9/16 in. ceiling mount brackets for non-flat/ protruded ceiling tiles - use with AH-ACC-BKT-AX-TB.	9/16 in. non-flat/protruded ceiling tiles.
ACC-BKT-TB-NF	Adapter bracket AH-ACC-BKT-TB for 15/16 in. wide t-bars non-flat/protruded ceiling tiles.	5/16 in.wide t-bars non-flat/ protruded ceiling tiles.
ACC-BKT-AX-WNGADAPT	Adapter bracket for cloud AP to wing mounting plate (#37201). 10 pack.	Allow twist mount to mount to legacy mounts.

Power Accessories

The following power accessories are compatible with your AP.

Table 17: AP Power Accessories

Part Number	Description
37219	PWR adapter 12V DC, 3A, 2.5 mm x 5.5 mm connector.

Other Accessories

The following accessories are available for use on the AP.

Table 18: AP Other Accessories

Part Number	Description
ACC-WIFI-MICRO-USB	Micro-USB to USB console adapter cable for Extreme wireless APs.

Security

The AP5022, AP5022FX, and AP5022S6D support Wi-Fi Alliance WPA3 security certifications. Use Extreme Fabric Attach for provisioning and deployment to a Fabric Connect-enabled switch.

The access point also supports the following security features:

- A L2-L7 DPI firewall
- Tri-frequency security
- Private Pre-Shared Key (PPSK) for Cloud deployment
- Location analytics sensor

In addition the APs have a Kensington security lock.

Cleaning Guidelines

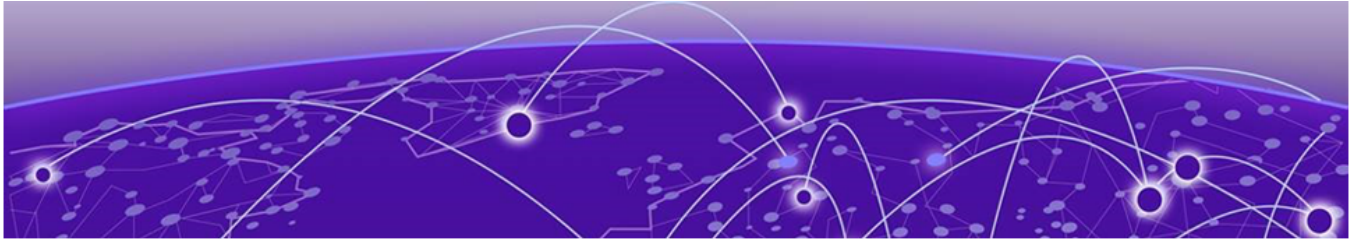
You can clean your APs with the following solutions:

- Hydrogen peroxide (a 3% solution)
- Chlorine bleach
- Sodium hypochlorite (a 0.05% solution)
- Ethyl alcohol (a 75% solution)
- Isopropyl alcohol (a 75% solution)
- White vinegar
- Sporicidal (peracetic acid; a 0.5% solution)
- Water
- Baking soda (a 3:1 solution)
- Non-abrasive soap

Note

Do not wash or immerse the AP in a liquid. You will damage the device and void the warranty. Instead, you can wipe the plastic housing - also called the radome - with a damp cloth. But you must avoid the ports and connectors.

Do not power wash the AP.



Installation

You may install the AP on the following options:

- Ceiling
- Wall
- Junction box
- Beam

Pre-Installation Tasks

Extreme Networks Access Points have been designed for quick and easy deployment. Completing the following tasks before installation simplifies the process.

Site Survey

Before you install your AP, do a site survey and coverage map so you have identified and addressed any potential issues.

Ask yourself the following questions:

- What is the WLAN's purpose?
- What applications will be used over the WLAN?
- Who will use the WLAN?
- What devices will be connecting to the WLAN?
- Are there any mounting or aesthetic restrictions?

Consider the following items as you plan your deployment:

- Capacity and coverage requirements.
- Existing issues such as RF interference and dead zones
- Existing networks or devices that can interfere with your network. There could be interference from floors above and below, or from outside sources such as nearby office buildings.

For more information on site surveys, see the Knowledge Base article What is Wireless Site Survey and why is it important?.

Other

Perform the following tasks:

- If you plan to use Power over Ethernet (PoE) then confirm that it meets the AP's requirements. See Power Profile.
- Document the switch and ports used by the AP with LLDP protocol.
- Confirm cables meet or exceed the required specifications.
- Check that the AP power ups correctly.

Installation Workflow

Access points are added to your network after the Dynamic Host Configuration Protocol (DHCP) and Domain Name System (DNS) prerequisites are configured. To save time, use pre-provision mode to configure the AP before installation. You can revert the AP to production mode when you are ready for deployment.

Note

Confirm that DNS, Network Time Protocol (NTP), and the firewall ports are configured and available before deployment. Create a firewall rule to allow outbound traffic from Extreme Networks devices. For more information about firewalls, see Firewall Configuration Guides.

You should configure the DHCP options on your DHCP server to assign an allowed NTP server to Extreme Networks devices. Both DNS and NTP are critical for country and region detection and certificate validation. For more information about DNS and NTP, see *ExtremeCloud IQ Controller Deployment Guide* for Cloud deployment and *Extreme Campus Controller Deployment Guide* for Campus or on-premises deployment.

For more information on deployment, see the Knowledge Base article How to deploy a new Access Point or replace a faulty Access Point to your ExtremeCloud IQ Controller.

AP deployment is also documented in ExtremeCloud IQ Controller documentation and the IQ Engine documentation.

Use the information in the following table to help you install your access point.

Warning
Do not stack APs on top of each other during onboarding or configuration. This may cause heat to build up between the APs, damaging the radomes and voiding the warranty.

Table 19: Installation Work flow

Steps	Action	Purpose
1	Verify the box contents.	Confirm that your AP and accessories arrived complete and undamaged.
2	Install the access point to one of the following: • Wall • Standard ceiling • Nonstandard ceiling or wall • Silhouette ceiling • Interlude ceiling • 15/16-inch T-bar • Junction Box • Beam	Install the AP on a ceiling or wall, and connect the network cable. If you use Power over Ethernet (PoE), then the AP powers up. The AP begins a discovery process to determine its own IP address and the IP address of the controller. When the discovery process is successful, the AP registers with the controller. For more information, see the following articles: • Access points failing the Wireless Controller discovery process • How to Onboard, Switch, and Troubleshoot the Universal AP modes between IQE (ExtremeCloud IQ Engine) and WiNG modes?
3	(Optional) Connect to a power supply.	Connect to an external 12-volt DC power supply if you are not using Power over Ethernet (PoE). **Note:** Your Extreme AP must be grounded so it can be used safely. Consider this requirement when you plan your deployment.
4	(Optional) Lock the access point.	Secure the AP with the Kensington security lock and prevent someone from removing it.
5	(Optional) Onboard the AP with the ExtremeCloud IQ Mobile Onboarding application.	Scan the QR code or bar code on the back of the device and begin the onboarding process.
6	Confirm that the LED is white.	A white LED indicates that your AP has powered up and registered with the Cloud. An amber light indicates a technical issue that requires a resolution. See the Led Descriptions section in the "Overview" chapter for an explanation of the LED states.

Box Contents

Your Extreme access point ships with everything that you need for a basic installation. All optional brackets and accessories are sold separately.

Confirm that you have received the following items before you install your device.

Table 20: Hardware

Quantity	Item
1	AP5022, AP5022FX, or AP5022S6D.
1	ACC-CBL-BRKOUT-12RPSMA breakout cable.
1	Regulatory document for your access point.
1	AH-ACC-BKT-AX-TB mounting bracket.
2	Phillips pan head wood screws.
2	Phillips head plastic screw-in anchors.

Wall Installations

The following sections are for wall installations.

Install the AP to a Wall with AH-ACC-BKT-AX-WL

Before You Begin

The following hardware is required for direct-to-wall installations:

- An indoor access point
- One AH-ACC-BKT-AX-WL bracket
- Three M3.5 screws and three screw-in anchors, shipped with the -WL bracket

About This Task

The AH-ACC-BKT-AX-WL bracket is for users who already have the -WL bracket. For new wall installations, order either the -TB or -JB bracket.

Procedure

1. Using the -WL bracket as a template, mark and drill mounting holes on the wall.
2. Through the bracket hole, route the LAN cable from the wall.

   Align the cable before attaching the bracket to the wall.

   Note
   A standard Ethernet cable can be used if you do not mind the cable being visible. To hide the Ethernet cable, a flat cable and a cable cap are required.

3. Attach the wall bracket to the wall using three M3.5 screws and three screw-in anchors.

4. Align the access point red dot against the three red dots on the -WL bracket.

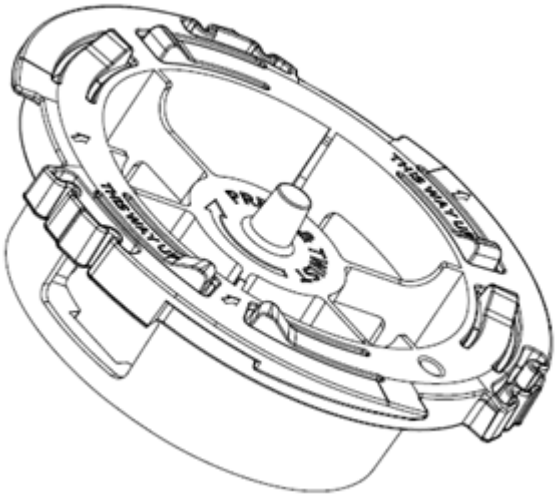


Figure 24: AH-ACC-BKT-AX-WL Bracket

5. Press and rotate the access point clockwise about one-sixth turn until it locks into place on the bracket.
6. Attach the Cat5e RJ45 cable to the ETH0 port on AP305C/CX or the Cat6 RJ45 cable to the ETH0 or ETH1 port on all other indoor access points.
7. Place the cable cover over the Ethernet cable.

Note
The cable cover will work only if you use a flat cable adapter.

Nonstandard Ceiling Grid or Wall Installation

The access point can be installed on a nonstandard ceiling grid using the following accessories.

Table 21: Nonstandard Ceiling or Wall

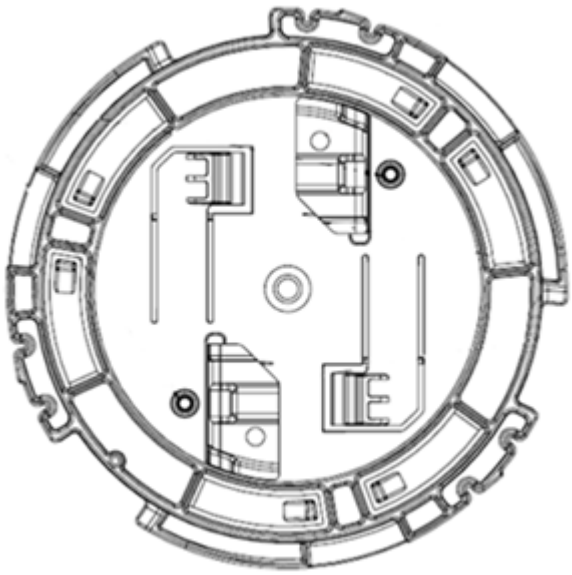
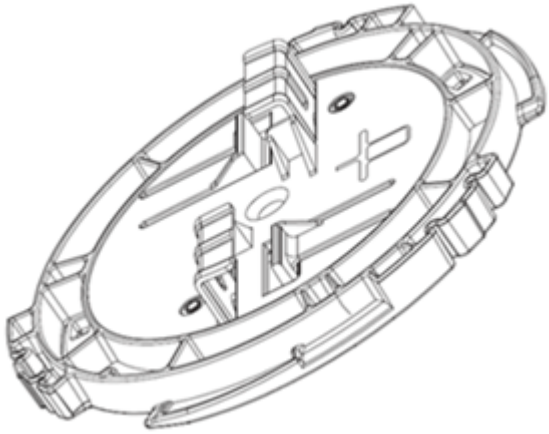
Order Part Number	Description
AH-ACC-BKT-AX-TB **Note:** Only this bracket is included with the access point	Mounting bracket for 15/16 in. ceiling grid. 
AH-ACC-BKT-AX-IL	Mounting bracket for 9/16 in. wide T-bar with protrusion, 9/16 in. ceilings, and walls. 

Table 21: Nonstandard Ceiling or Wall (continued)

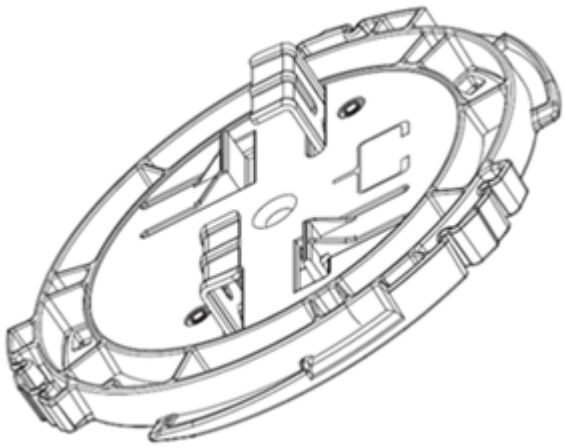
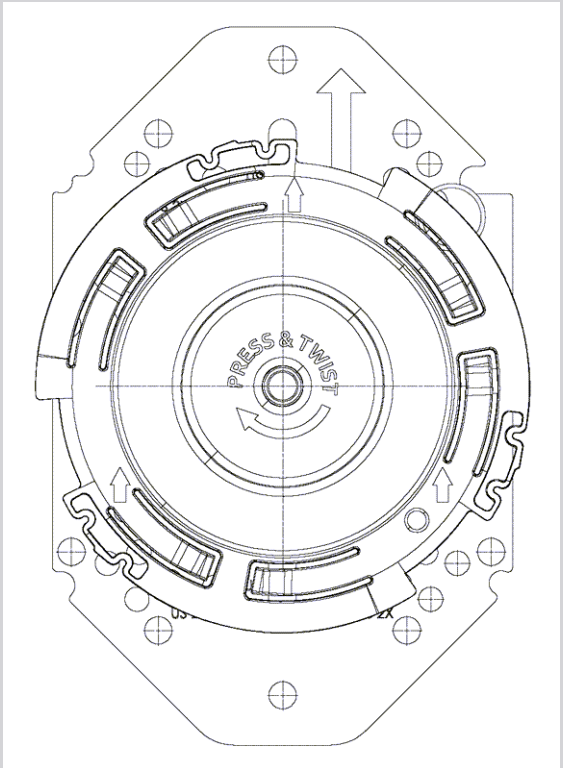
Order Part Number	Description
AH-ACC-BKT-AX-SL	Mounting bracket for 1/8 in. and 1/4 in. ceiling grids with a bottom opening. 
ACC-BKT-AX-JB	Junction box or wall mounting for indoor access points. 

Table 21: Nonstandard Ceiling or Wall (continued)

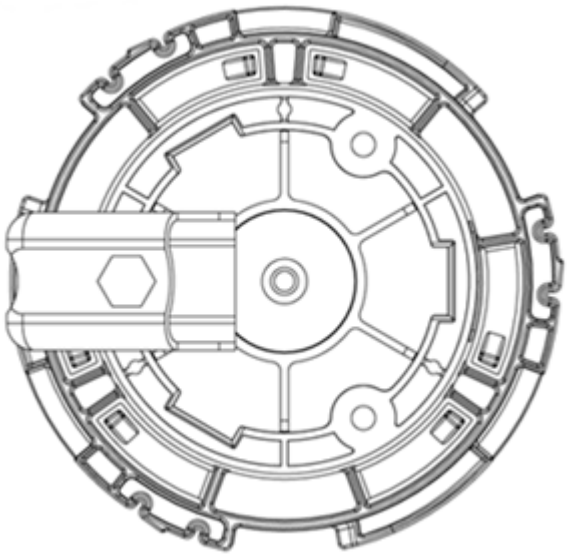
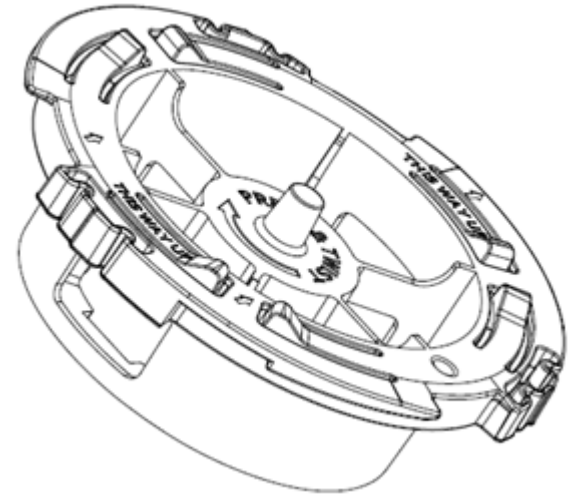
Order Part Number	Description
ACC-BKT-AX-BEAM	Beam mounting for indoor access points. 
AH-ACC-BKT-AX-WL	Mounting bracket for direct-to-wall installations. 

Table 21: Nonstandard Ceiling or Wall (continued)

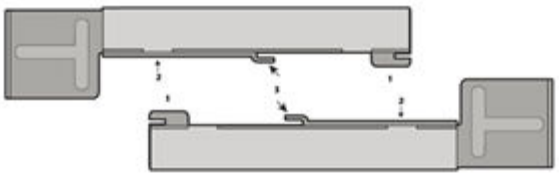
Order Part Number	Description
AH-ACC-BKT-916-KIT	9/16 in. ceiling mount brackets for non-flat and protruded ceiling tiles. Use with AH-ACC-BKT-AX-TB. 

Table 21: Nonstandard Ceiling or Wall (continued)

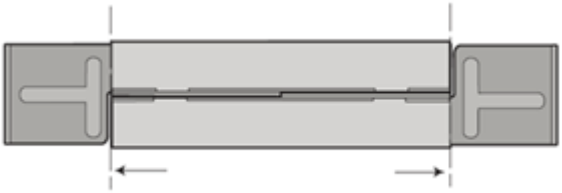
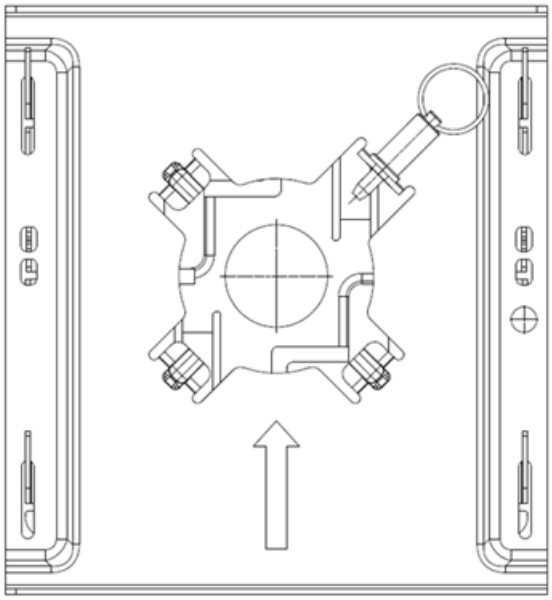
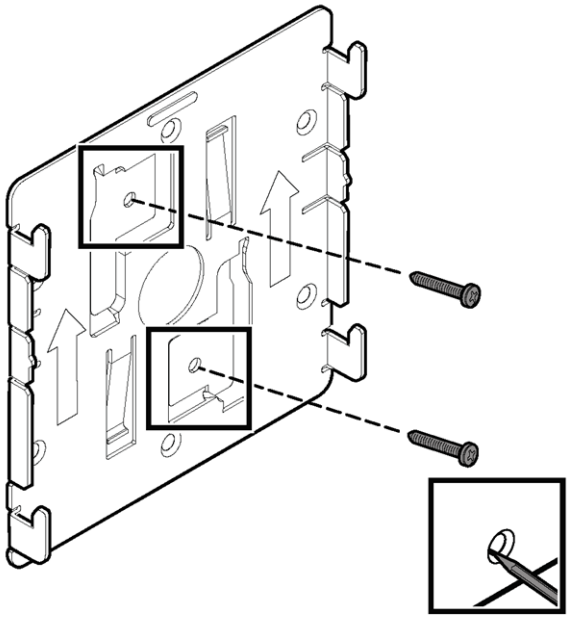
Order Part Number	Description
ACC-BKT-TB-NF	Adapter bracket for use with AH-ACC-BKT-TB with 15/16 in. wide T-bars on non-flat or protruded ceiling tiles. 
ACC-BKT-AX-WNGADAPT	Adapter bracket for use with cloud access point that has an existing WiNG mounting plate (#37201).  **Figure 25: ACC-BKT-AX-WNGADAPT Adapter Bracket**

Table 21: Nonstandard Ceiling or Wall (continued)

Order Part Number	Description
	 **Figure 26: WiNG Metal Bracket (#37201)**

Note
The default bracket for wall installation is the ACC-BKT-AX-TB bracket. One -TB bracket is included with the AP. The AH-ACCBKT-AX-WL bracket is for users who already have the -WL brackets.

In addition, the following extension kits are available for stepped or sculpted ceiling tiles:

Table 22: Extension Kits for Stepped Ceiling Tiles

Order part number	Description
AH-ACC-BKT-916-KIT	Mounting kit for 9/16 in. wide t-bars.
ACC-BKT-TB-NF	Mounting bracket for 15/16 in. wide t-bars.

Ceiling Installations

The following sections are for ceiling installations.

Position the AP Before Installation

About This Task

Use the red dot on the back of the access point and the bracket to help you with installation.

Procedure

Line up the red dot on the access point and the bracket for ease of installation.

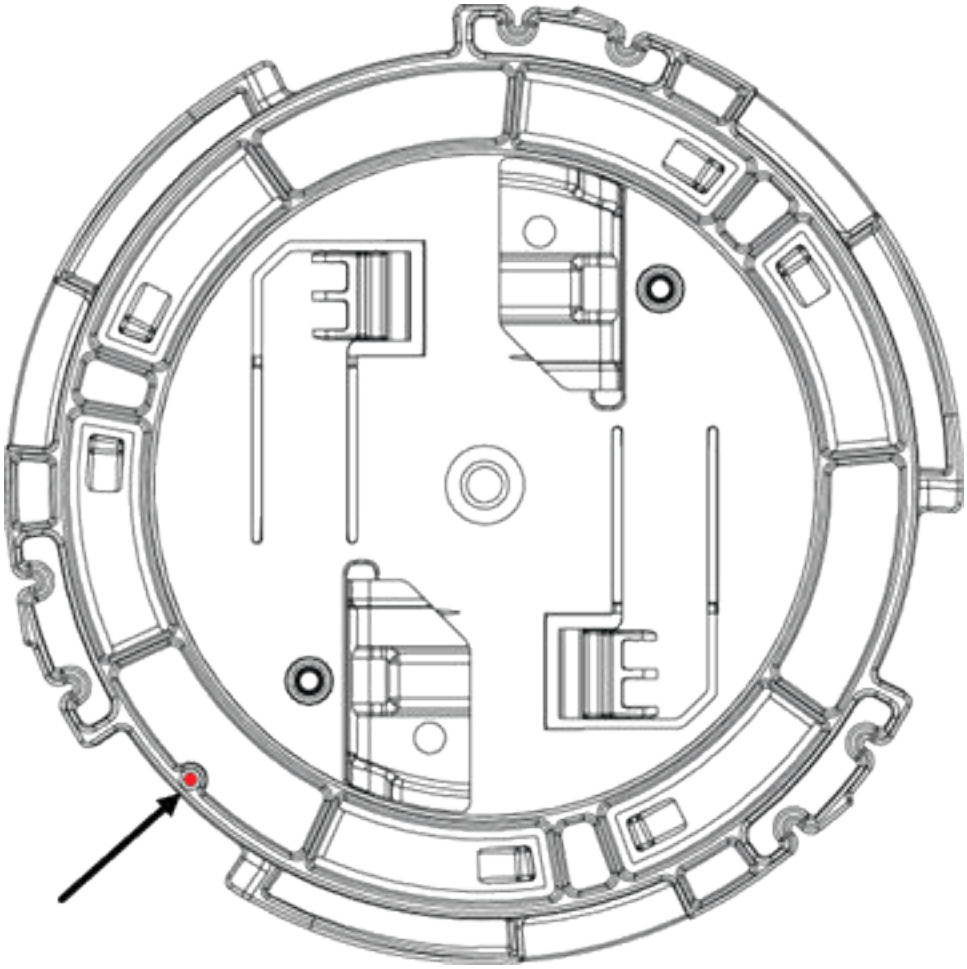


Figure 27: AH-ACC-BKT-AX-TB Bracket Red Dot

Install the Access Point on a Standard Flat Ceiling Rail with Sculpted Ceiling Tiles

Before You Begin

You need the following:

- An access point
- One AH-ACC-BKT-AX-TB mounting bracket for prelude T-bar ceiling installation, that is shipped with the access point

About This Task

The access points ship with a mounting bracket for standard 15/16 in. (24mm) wide t-bars or 9/16 in. (14mm) wide t-bar rails.

Procedure

1. Remove the ceiling tiles.
2. Align the bracket on the ceiling rail in such a way that the bracket metal hinges are almost parallel to the sides of the ceiling rail.
3. Rotate the accessory clockwise until the metal hinges hook over the edge of the rail and the white tabs click in place.

Note
There are two white tabs on the back of the bracket that holds on to the ceiling rail. Use your finger to push and unhook one side of the white tab if you want to remove the bracket from the ceiling rail.

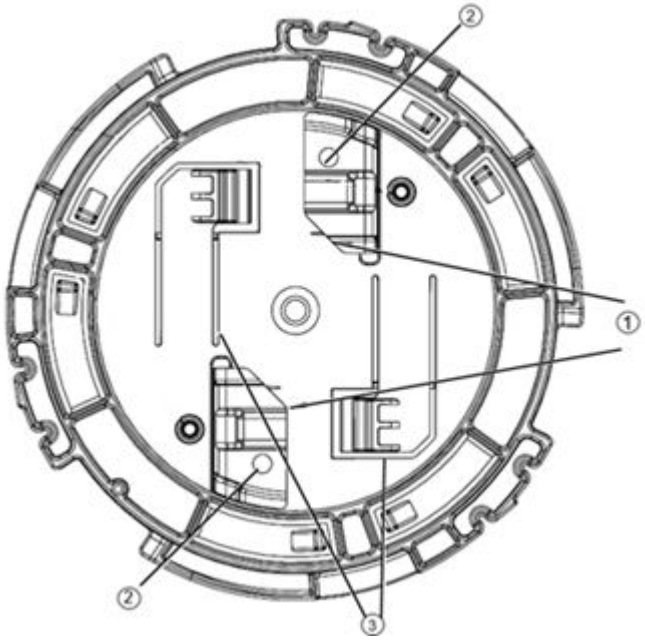


Figure 28: AH-ACC-BKT-AX-TB Bracket

Table 23: AH-ACC-BKT-AX-TB Bracket Parts Description

Callout	Description
1	Metal hinges on the AH-ACC-BKT-AX-TB bracket.
2	Mounting holes for wall mounting.
3	White tab on the AH-ACC-BKT-AX-TB bracket.

4. Attach the LAN cable Ethernet plug to the appropriate AP Ethernet receptacle.

5. Align the red dot on the back of the access point against the bracket red dot.

   Note
   The bracket has a circular tip that fits into the circular depression on the back of the access point.

6. Press and rotate the AP about 1/8th turn clockwise until it clicks into place on the bracket.

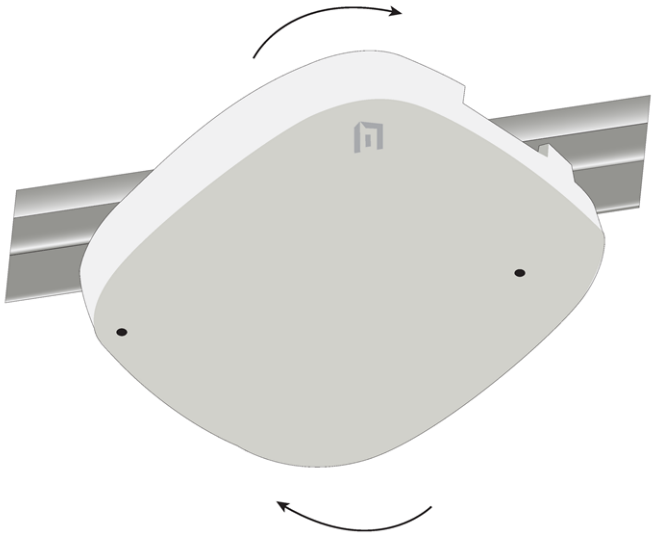


Figure 29: Access Point Ceiling Install

7. Attach the LAN cable to the ETH0 or ETH1 port.
8. Replace the ceiling tiles.

Install the Access Point to a 9/16-inch T-bar Ceiling

Before You Begin

You need the following items:

- One (1) access point
- One (1) AH-ACC-BKT-AX-TB accessory bracket if the t-bar bottom is flat
- One (1) AH-ACC-BKT-AX-IL accessory bracket if there is a protrusion in the center of the t-bar bottom
- One (1) AH-ACC-BKT-916-KIT if you have a protruded ceiling tile and you are using the AH-ACC-BKT-AX-TB bracket.

About This Task

You can mount the access point to a ceiling that has a 9/16 in. wide T-bar.

Procedure

1. Remove the ceiling tiles.

2. Place the bracket on the ceiling rail in such a way that the accessory center is over the protrusion and the metal hinges are between perpendicular and about one-eighth of a turn from the sides of the ceiling rail.
3. Push up gently and rotate the bracket clockwise until the hinges hook over the edge of the rail and the white tabs click in place.

Note
Gently rotate the bracket counterclockwise and if there is resistance, the other white tab in the back of the accessory must also be released.

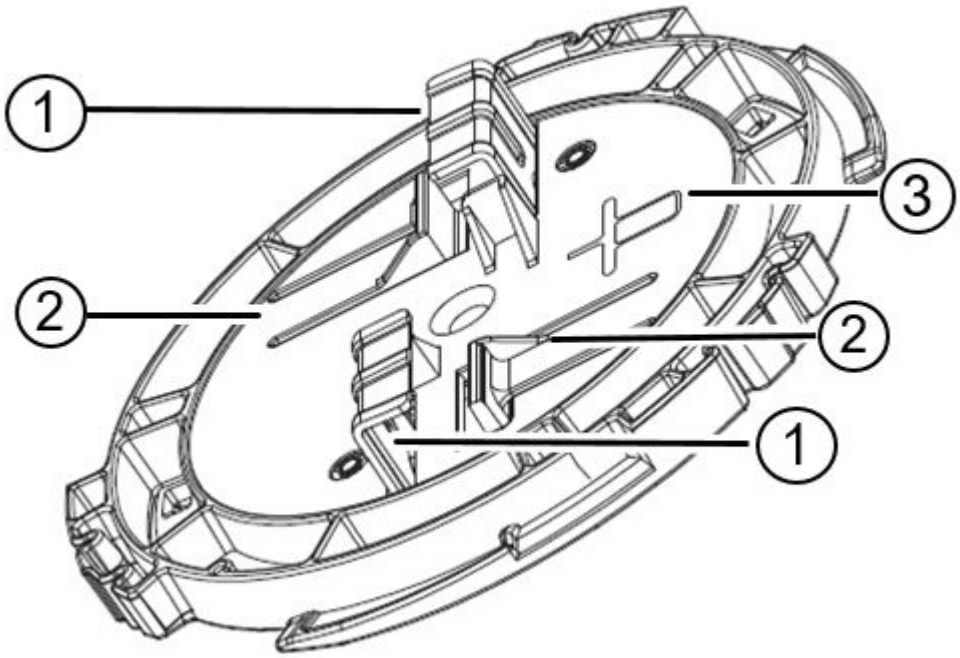


Figure 30: AH-ACC-BKT-AX-IL Accessory Bracket

Table 24: AH-ACC-BKT-AX-IL Parts

Callout	Description
1	Metal hinges on the AH-ACC-BKT-AX-IL bracket.
2	White tabs on the AH-ACC-BKT-AX-IL bracket.
3	Drawing of 9/16 in. ceiling grid, for your reference.

4. Align the red dot on the back of the access point against the accessory red dot.

Note
The bracket has a circular tip that fits into the circular depression on the back of the access point.

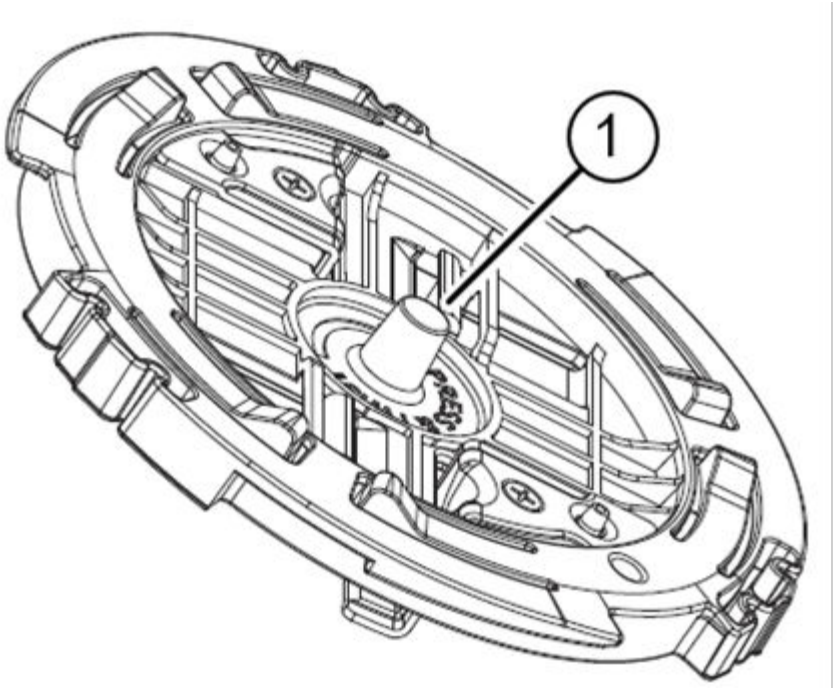


Figure 31: AH-ACC-BKT-AX-IL Accessory Bracket Circular Tip

Table 25: AH-ACC-BKT-AX-IL Parts

Call out	Description
1	AH-ACC-BKT-AX-IL bracket circular tip.

5. Press and rotate the access point clockwise about one-eighth of a turn until it locks into place on the accessory bracket.
6. Attach the network cable.
7. Replace the ceiling tiles.

Install the Access Point on a 15/16-inch T-bar

Before You Begin

Obtain the following items:

- One access point
- One ACC-BKT-TB-NF adapter
- One AH-ACC-BKT-AX-TB accessory

About This Task

Use the ACC-BKT-TB-NF bracket when you install the AP on a suspended ceiling with 15/16-inch grid system.

Procedure

1. Remove the ceiling tiles.

2. Using the adapter guide on the top half of the ACC-BKT-TB-NF adapter, align and attach the -NF on to the ceiling rail.
3. Slide the other part of the -NF adapter onto the half attached to the ceiling rail.
4. Attach the AH-ACC-BKT-AX-TB accessory onto the -NF adapter.
   a. Center the -TB accessory on the attached -NF parts.
   b. Push up and rotate the -TB accessory clockwise until the metal hinges hook over the bottom halves of the -NF adapter ends and the plastic tabs on the -TB accessory click into place.

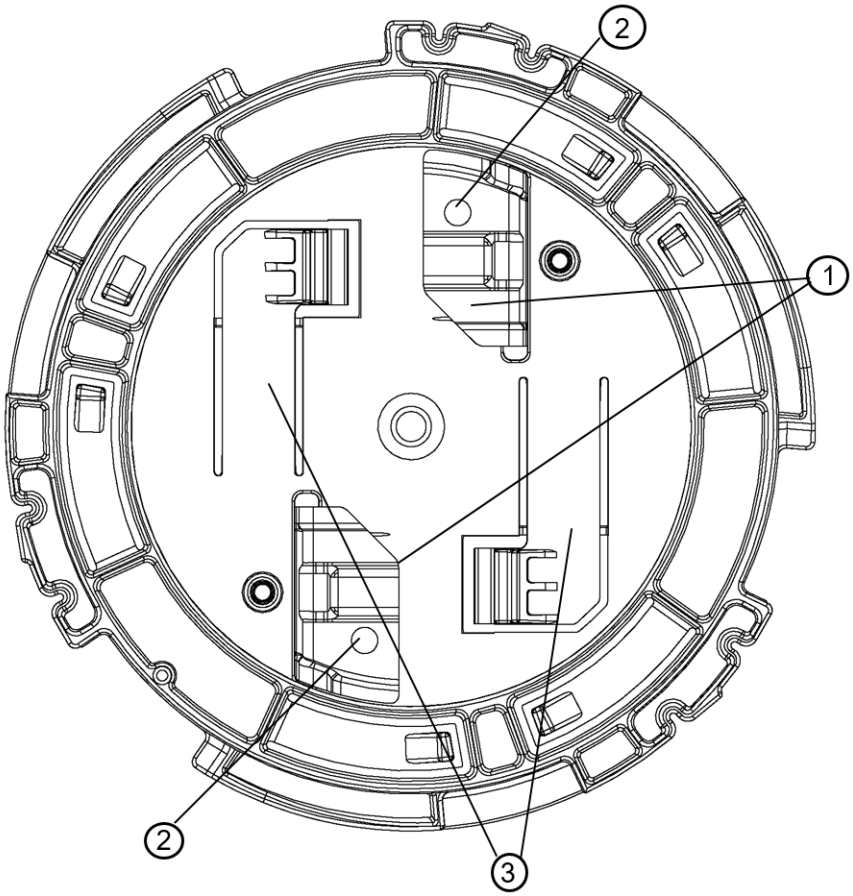


Figure 32: AH-ACC-BKT-AX-TB Accessory Bracket

Table 26: AH-ACC-BKT-AX-TB Accessory Bracket Parts

Callout	Description
1	Metal hinges on the AH-ACC-BKT-AX-TB bracket.
2	Mounting holes for wall mounting.
3	White plastic tab on the AH-ACC-BKT-AX-TB bracket.

5. Align the red dot on the back of the access point against the -TB bracket red dot.

   Note
   The bracket has a circular tip that fits into the circular depression on the back of the access point.

6. Press and rotate the access point about one-eighth of a turn clockwise until it clicks into place on the accessory.
7. Connect the network cable.
8. Replace the ceiling tiles.

Install the Access Point on a Silhouette Ceiling

Before You Begin

You need the following items:

- One access point
- One AH-ACC-BKT-AX-SL bracket

About This Task

You can mount the access point to a ceiling grid with 1/8 in. or 1/4 in. bottom opening.

Silhouette is an Armstrong Ceiling Solutions name.

Procedure

1. Remove the ceiling tiles.
2. Place the bracket on the ceiling rail so that the accessory metal hinges are almost perpendicular to the sides of the ceiling rail with the ceiling rail over the center hole.
3. Lightly push onto the ceiling rail and rotate the accessory clockwise until the hinges hook over the edge of the rail and the white tabs click in place.

   Note
   There are two white tabs in the back of the bracket that holds on to the ceiling rail. Use your finger to pull and unhook one side of the white tab if you want to remove the accessory from the ceiling rail.Gently rotate the bracket counterclockwise and if there is resistance, the other white tab in the back of the accessory must also be released.

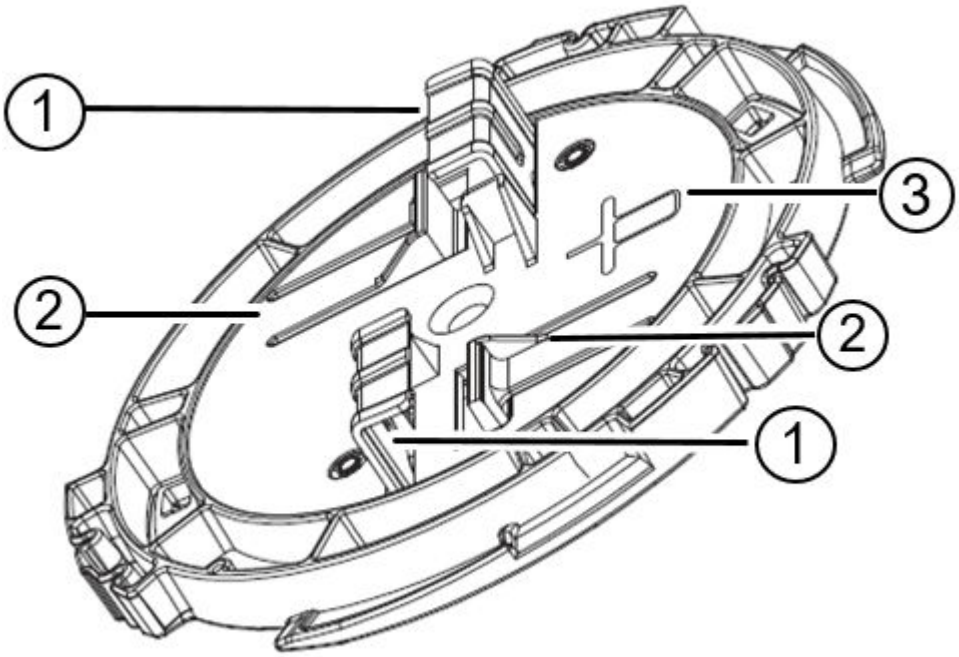


Figure 33: AH-ACC-BKT-AX-SL Accessory Bracket

Table 27: AH-ACC-BKT-AX-SL Accessory Bracket Parts

Call out	Description
1	Metal hinges on the AH-ACC-BKT-AX-SL bracket.
2	White tabs on the AH-ACC-BKT-AX-SL bracket.
3	Drawing of 1/8 in. or 1/4 in. ceiling grid, for your reference.

4. Align the red dot on the back of the access point against the accessory bracket red dot.

Note
The accessory has a circular tip that fits into the circular depression on the back of the access point.

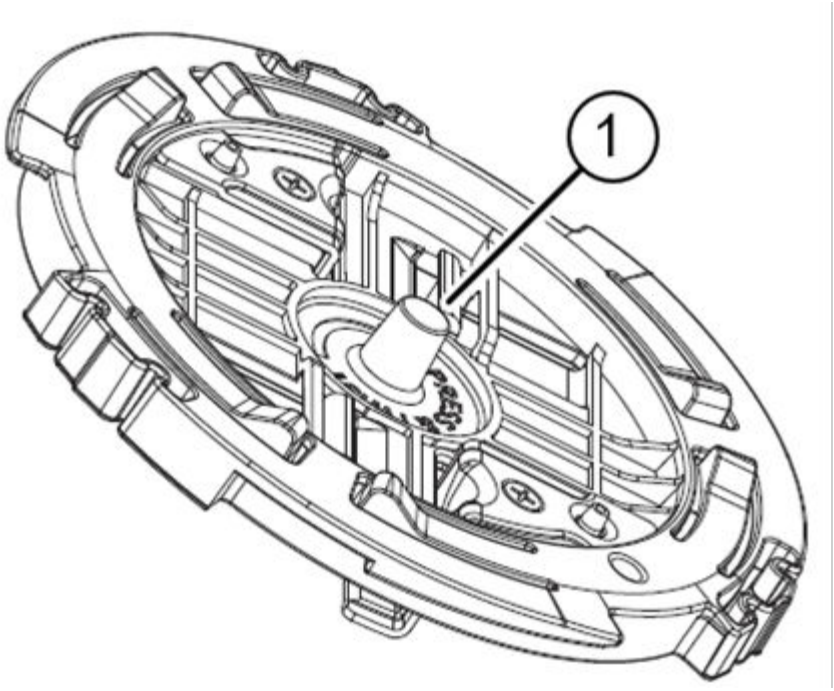


Figure 34: AH-ACC-BKT-AX-SL Accessory Bracket Circular Tip

Table 28: AH-ACC-BKT-AX-SL Accessory Bracket Tip Parts

Call out	Description
1	AH-ACC-BKT-AX-SL bracket circular tip.

5. Press and rotate the access point clockwise until it locks into place on the accessory.
6. Connect the network cable.
7. Replace the ceiling tiles.

Install the Access Point on a Junction Box

Before You Begin

The following hardware is required to install an indoor access point on a junction box (box):

- An indoor access point
- ACC-BKT-AX-JB accessory

About This Task

Install the access point to a junction box if you want to power the AP using an electrical connection.

The ACC-BKT-AX-JB accessory bracket is used when you need to install the access point on an indoor junction box. It has two parts:

- A metal part that attaches to the junction box (also called the sheet-metal junction box hole plate)

- A plastic part that attaches to the metal part and the access point (also called the plastic twist plate)

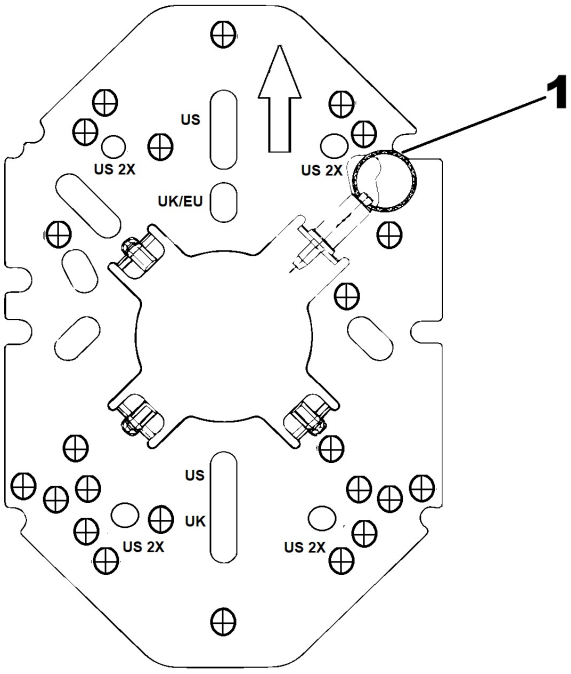


Figure 35: ACC-BKT-AX-JB Accessory Bracket Metal Part

Table 29: ACC-BKT-AX-JB Accessory Parts

Callout	Description
1	Pull ring with 10 mm diameter ring for unlocking the plastic part.

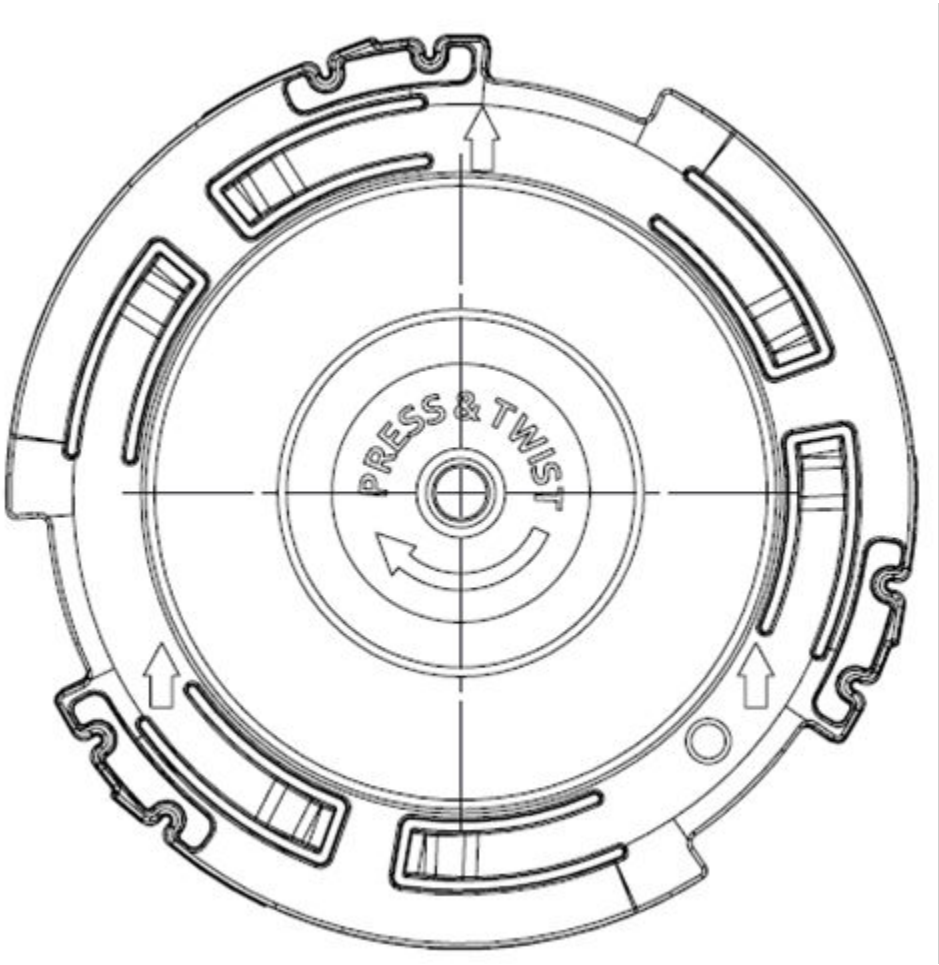


Figure 36: ACC-BKT-AX-JB Accessory Bracket Plastic Part

Procedure

1. Remove the screws holding the junction box cover plate.
2. Remove the LAN cable from the cover plate.
3. Bring the LAN cable through the center hole of the metal bracket part.

   The LAN wire must be in-between the metal part and the plastic part during installation.
4. Place the ACC-BKT-AX-JB accessory metal part, with the bracket holes against the cover plate of the box.
5. Using the screws removed from the cover plate, find the bracket holes that align with the junction box screw holes.

   Important
   The text for the holes must be readable in the standard orientation.

6. Using the cover plate screws, attach the metal bracket part to the junction box.

7. Place the plastic part on the metal part, rotate it ¼th to 1/3rd turn clockwise until you hear it click in place as the lock is set.

Important
When installed correctly on a wall, the side arrows on the plastic part must be pointing up.

Note
There is a metal pull ring in the metal part that is used to unlock and remove the plastic part.

To unlock the plastic part, pull out the pin's ring and turn the plastic part 1/3rd turn counter-clockwise and lift it apart.

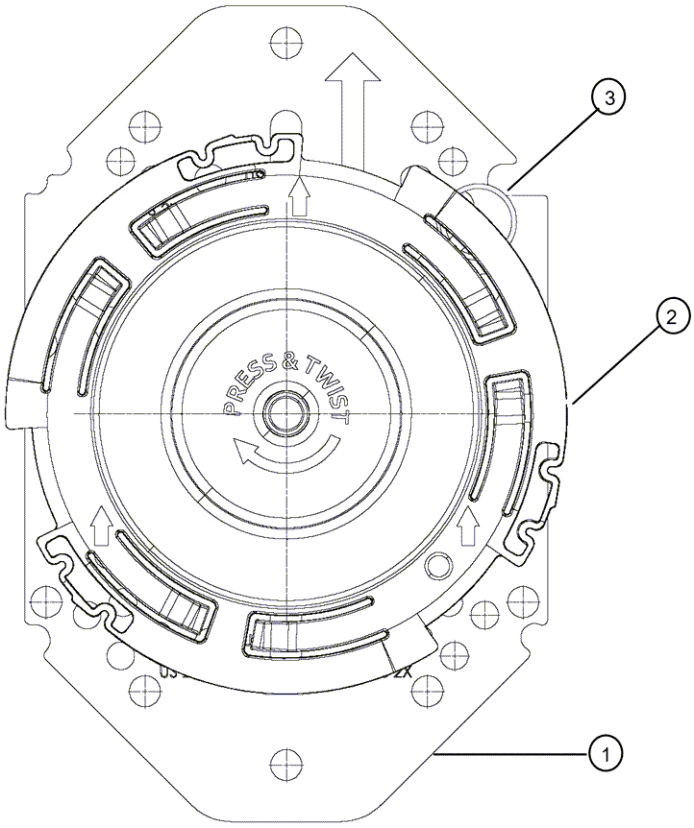


Figure 37: Junction Box Accessory Bracket Assembly

Table 30: Junction Box Accessory Bracket Parts

Callout	Description
1	Sheet-metal junction box hole metal part.
2	Plastic twist plate part.
3	Pull ring with 10 mm diameter ring for unlocking the plastic part.

8. Align the red dot on the back of the access point against the red dot on the plastic part.
9. Push the access point onto the plastic part and turn it clockwise until you hear it lock in place.
10. Insert the RJ45 cable connector to the Ethernet connector on the access point.

Install the Access Point on a Beam

Before You Begin

The following hardware is required to install the access point on a beam:

- An indoor model access point

- ACC-BKT-AX-BEAM accessory

Find a location that supports the following requirements:

- The beam must be able to support the access point in all environmental conditions.
- The beam must be flat.
- Beam attachment area is at least 0.5 in. (12.7mm) wide and as long as the access point's largest dimension.
- Beam mounting surface is at least 0.040 in. (1.0 mm) thick, but less than 0.650 in. (16.5mm) thick.

About This Task

If you are installing the access point in a warehouse or other industrial environments, then you might have to install the AP on a beam instead of a ceiling.

Procedure

1. Align the red dot on the access point with the red dot on the accessory bracket.
2. Insert the plastic part posts into the access point back recess.
3. Push the access point onto the plastic part, and rotate the access point about one-sixth turn clockwise to make it lock in place.

   If you can turn or twist the access point, it was not locked in place properly. Remove the access point and attach it again until it locks in place.
4. Plug the RJ45 connector plug into ETH or ETH0, RJ45 connector receptacle on the access point.

   If desired, flat Ethernet cables and caps may be used with all indoor access points.

5. Open the top screw as necessary and place the beam clip onto a beam.

Note
You must hold the access point when attaching the beam clip.

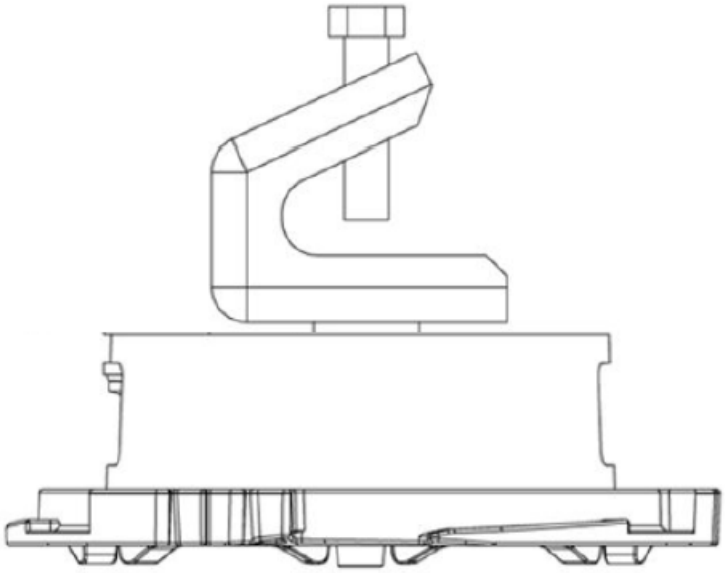


Figure 38: ACC-BKT-AX-BEAM Accessory Bracket

6. Tighten the beam clip top screw to a torque of 50 in-lbs.

Connect Breakout Cable

About This Task
Use the ACC-CBL-BRKOUT-12RPSMA breakout cable when you need to connect several external antennas to the AP5022FX. The cable has a 12-port Reverse Polarity SMA (RP-SMA) connector, LMR-100 cabling, and is 9 in. long. The breakout cable may be installed on a pole or a wall.

Note
The ACC-CBL-BRKOUT-12RPSMA breakout cable supports the AP5022FX only. One breakout cable is included in the box.

For pole installations, mount the breakout cable facing downwards and install a wire tie across the tab and around the pole.

For wall installations, fasten the breakout cable to a wall with a M3.5 screw and wall anchor when appropriate.

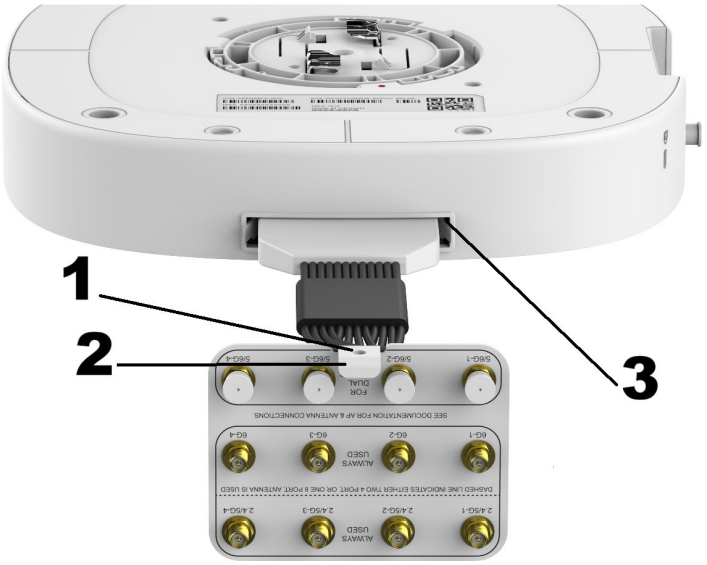


Figure 39: Breakout Cable

Call Out	Description
1	M3.5 screw hole for connecting breakout cable to wall.
2	Tab for connecting breakout cable to pole.
3	Breakout cable port.

Procedure

1. Locate the breakout cable port.

   The port is on the side opposite to the Ethernet ports.
2. Insert the 12 port connector into the breakout cable port.

   The connector clicks into place.

Antenna Connectors

It is important that you connect the antenna leads to the correct antenna port on the breakout panel. Use the following graphic and tables as a guide when you connect your antennas.

The following table maps software modes to the ports used by the mode.

Table 31: Software Mode and Corresponding Ports

Software Mode	Band	Corresponding Ports	Comment
Mode 1	2.4 GHz/5 GHz/6 GHz plus a tri-band sensor.	Ports 1-8	Used in most deployments.
Mode 2	5 GHz (Low)/5 GHz (High)/6 GHz plus a tri-band sensor.	Ports 1-12	Used for dense deployments; typically used for dual 5 GHz radios.
Mode 3	5 GHz/6 GHz (High)/ 6 GHz (Low) plus a tri-band sensor.	Ports 1-12	Used for dense deployments; typically used for dual 6 GHz radios.

Locate the antenna in the tables below and, moving across the table, connect the specified antenna lead to the port on the breakout panel.

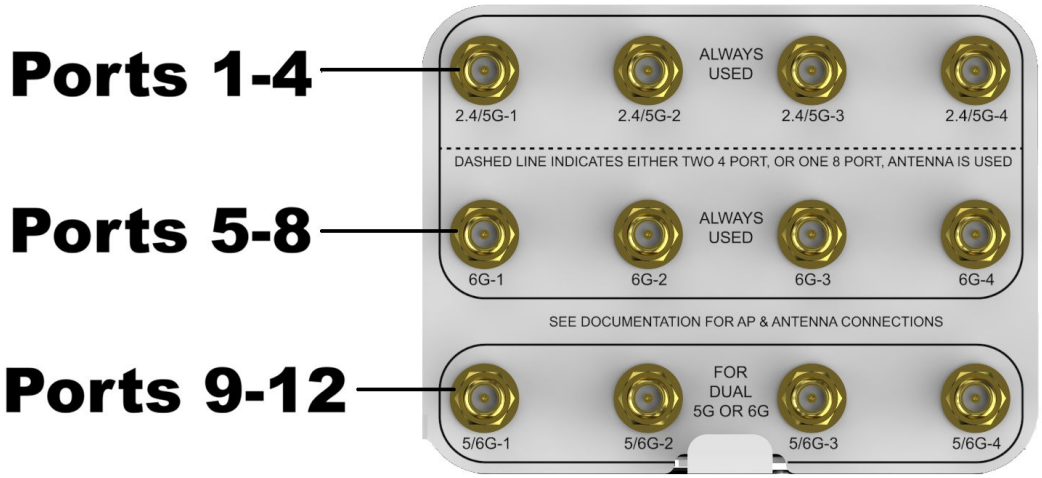


Figure 40: Antenna Ports

Ports 9-12 are shipped with dust covers installed. Remove the covers before connecting an antenna to the ports.

Note
AI-TS06360 is for Internet of Things (IoT) use only. Unlike the other antennas, AI-TS06360 has one lead and it connects to the IoT port on the AP. See Hardware Ports on page 15.

Table 32: AI-TP05360

Breakout Panel Ports	Leads
2.4/5 GHz	
Port 1	1
Port 2	2
Port 3	3
Port 4	4
6 GHz 6 GHz alone requires ports 5 to 8; 2.4/5 GHz with 6 GHz requires ports 1 to 8.	
Port 5	1
Port 6	2
Port 7	3
Port 8	4
Dual 5/Dual 6 GHz Requires all 12 ports.	
Port 9	1
Port 10	2
Port 11	3
Port 12	4

Note
Note the following abbreviations: V-Pol is short for vertical polarization and H-Pol horizontal polarization.

Table 33: AI-TQ08055

Breakout Panel Ports	Leads
2.4/5 GHz	
Port 1	1/A V-Pol
Port 2	2/B H-Pol
Port 3	3/C V-Pol

Table 33: AI-TQ08055 (continued)

Breakout Panel Ports	Leads
Port 4	4/D H-Pol
6 GHz 6 GHz alone requires ports 5 to 8; 2.4/5 GHz with 6 GHz requires ports 1 to 8.	
Port 5	1/A V-Pol
Port 6	2/B H-Pol
Port 7	3/C V-Pol
Port 8	4/D H-Pol
Dual 5/Dual 6 GHz Requires all 12 ports.	
Port 9	1/A V-Pol
Port 10	2/B H-Pol
Port 11	3/C V-Pol
Port 12	4/D H-Pol

Table 34: AIO-HQ17020

Breakout Panel Ports	Leads
2.4/5 GHz	
Port 1	1/A -45 Pol.
Port 2	2/B +45 Pol.
Port 3	3/C +45 Pol.
Port 4	4/D -45 Pol.
6 GHz 6 GHz alone requires ports 5 to 8; 2.4/5 GHz with 6 GHz requires ports 1 to 8.	
Port 5	1/A -45 Pol.
Port 6	2/B +45 Pol.
Port 7	3/C +45 Pol.
Port 8	4/D -45 Pol.
Dual 5/Dual 6 GHz Requires all 12 ports.	
Port 9	1/A -45 Pol.
Port 10	2/B +45 Pol.

Table 34: AIO-HQ17020 (continued)

Breakout Panel Ports	Leads
Port 11	3/C +45 Pol.
Port 12	4/D -45 Pol.

Table 35: AIO-DQ15021-RPSMA

Breakout Panel Ports	Leads
2.4/5 GHz	
Port 1	V-Pol
Port 2	H-Pol
Port 3	V-Pol
Port 4	H-Pol
6 GHz 6 GHz alone requires ports 5 to 8; 2.4/5 GHz with 6 GHz requires ports 1 to 8.	
Port 5	Not available
Port 6	
Port 7	
Port 8	
Dual 5/Dual 6 GHz Requires all 12 ports.	
Port 9	(5GHz only) V-Pol
Port 10	(5GHz only) 2: H-Pol
Port 11	(5GHz only) V-Pol
Port 12	(5GHz only) only H-Pol

Table 36: AI-TQ06120

Breakout Panel Ports	Leads
2.4/5 GHz	
Port 1	V-Pol to 1/A V-Pol
Port 2	V-Pol to 2/B H-Pol
Port 3	V-Pol to 3/C V-Pol
Port 4	V-Pol to 4/D H-Pol
6 GHz 6 GHz alone requires ports 5 to 8; 2.4/5 GHz with 6 GHz requires ports 1 to 8.	
Port 5	V-Pol to 1/A V-Pol

Table 36: AI-TQ06120 (continued)

Breakout Panel Ports	Leads
Port 6	V-Pol to 2/B H-Pol
Port 7	V-Pol to 3/C V-Pol
Port 8	V-Pol to 4/D H-Pol
Dual 5/Dual 6 GHz Requires all 12 ports.	
Port 9	V-Pol to 1/A V-Pol
Port 10	V-Pol to 2/B H-Pol
Port 11	V-Pol to 3/C V-Pol
Port 12	V-Pol to 4/D H-Pol

Table 37: AI-TH06120

Breakout Panel Ports	Leads
2.4/5 GHz	
Port 1	1/A V-Pol
Port 2	2/B H-Pol
Port 3	3/C V-Pol
Port 4	4/D H-Pol
6 GHz 6 GHz alone requires ports 5 to 8; 2.4/5 GHz with 6 GHz requires ports 1 to 8.	
Port 5	5/E V-Pol
Port 6	6/F H-Pol
Port 7	1/A V-Pol
Port 8	2/B H-Pol
Dual 5/Dual 6 GHz Requires all 12 ports.	
Port 9	3/C V-Pol
Port 10	4/D H-Pol
Port 11	5/E V-Pol
Port 12	6/F H-Pol

Table 38: AI-TH08055

Breakout Panel Ports	Leads

Table 38: AI-TH08055 (continued)

Breakout Panel Ports	Leads
2.4/5 GHz	
Port 1	1/A V-Pol
Port 2	2/B H-Pol
Port 3	3/C V-Pol
Port 4	4/D H-Pol
6 GHz 6 GHz alone requires ports 5 to 8; 2.4/5 GHz with 6 GHz requires ports 1 to 8.	
Port 5	5/E V-Pol
Port 6	6/F H-Pol
Port 7	1/A V-Pol
Port 8	2/B H-Pol
Dual 5/Dual 6 GHz Requires all 12 ports.	
Port 9	3/C V-Pol
Port 10	4/D H-Pol
Port 11	5/E V-Pol
Port 12	6/F H-Pol

Table 39: AI-TH14035

Breakout Panel Ports	Leads
2.4/5 GHz	
Port 1	1V
Port 2	2H
Port 3	3V
Port 4	4H
6 GHz 6 GHz alone requires ports 5 to 8; 2.4/5 GHz with 6 GHz requires ports 1 to 8.	
Port 5	1V
Port 6	2H
Port 7	3V
Port 8	4H
Dual 5/Dual 6 GHz Requires all 12 ports.	
Port 9	1V

Table 39: AI-TH14035 (continued)

Breakout Panel Ports	Leads
Port 10	2H
Port 11	3V
Port 12	4H

Connect the AP to the Network

Before You Begin

You will need a Ethernet cable. Locate the Ethernet ports on the AP before you begin. See Ports and Connections.

About This Task

Connect the AP to your network using one of the Ethernet ports and a network cable.

Procedure

1. Connect the Ethernet cable to one of the Ethernet ports on the AP.
2. Connect the other end of the cable to the Ethernet port on the switch.

Connect a Power Supply (Optional)

Before You Begin

Obtain a Powertron 12V DC power supply. The power supply is ordered separately. See the table below.

Caution
Only use Extreme approved power supplies for your access point. Unapproved third-party components can damage your AP.

Table 40: Power Accessory

Part Number	Description
37219	PWR 12VDC, 3A, 2.5 mm X 5.5 mm connector.

About This Task

You can power the AP through the ETH0 or ETH1 RJ45 Ethernet ports. But if you prefer an external power supply, then use the 12V DC power supply. See the Power Profile for power consumption specifications.

Figure 41: AP5022, AP5022FX, and AP5022S6D 12V Port

Table 41: AP5022, AP5022FX, and AP5022S6D 12V Port

Item	Description	Use
1	12V DC	12-volts of direct current.

Procedure

Plug the power supply into the 12-volt power connector.

Results

The LED on the top of the AP lights up. It should be white. If the LED is amber, then your AP has a technical issue.

Secure the Access Point

Before You Begin

You will need a Kensington security lock.

About This Task

Secure the access point from damage or theft.

Procedure

1. Securely attach the free end of the Kensington lock cable near the AP.
2. Insert the rectangular lock end into the Kensington security slot on the AP.
3. Lock the Kensington lock.

Onboard the Access Point with the ExtremeCloud IQ Mobile Onboarding App

Before You Begin

You can download the ExtremeCloud IQ Mobile Onboarding application to your mobile device from the Google application store or from the Apple application store.

You require administrator login privileges. Contact your network administrator if you need login credentials.

About This Task

You can use the ExtremeCloud IQ Mobile Onboarding application to quickly onboard, monitor and troubleshoot access points.

Procedure

1. Open the ExtremeCloud IQ Mobile Onboarding application.
2. Enter your login information.
3. Select **Add a Device**.
4. Scan the QR code or bar code on the back of the AP with your mobile device camera.
5. Verify the AP model and serial number.
6. Select the location.
7. Choose any configured network policies for the AP.

Troubleshoot the AP

Use the information in the following sections to troubleshoot your AP.

Micro USB Console Port Information

You can order a micro USB console adapter for your access point using the part number ACC-WIFI-MICRO-USB.

Micro USB Console Information

Use the micro-USB console port to make a serial connection between your management system and the access point. You can order a micro USB console adapter for your access point using the part number ACC-WIFI-MICRO-USB.

Note
When you connect to the Micro USB console port, the management station from which you connect to the device must have a VT100 emulation program, such as TeraTerm Pro (a free terminal emulator) or Hilgraeve HyperTerminal (provided with Windows operating systems from XP forward).

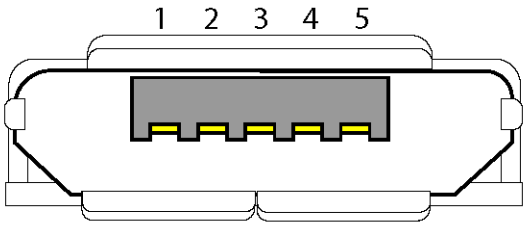


Figure 42: Micro-B model Console Port Pin Information

Table 42: Micro-B USB Pin Information

Pin Number	Pin Name and Description
1	NC.
2	R×D (input to access point).
3	T×D (output to terminal).

Table 42: Micro-B USB Pin Information (continued)

Pin Number	Pin Name and Description
4	Signal (GND).
5	Signal (GND).

Reset the AP

Perform a reboot or factory reset to resolve minor or temporary issues. It is important to know the difference between a reboot and a factory reset before you perform either task.

See LED Descriptions for an explanation of LED display.

The **Reset** button is located next to the Console port. See Hardware Ports on page 15.

Reboot the AP

A reboot - also called a power cycle - deletes the logs, but preserves all of the configuration settings. It also applies firmware upgrades and is often done to clear minor issues such as software issues or if the AP is not responding.

There are two ways to reboot the AP:

- With a hardware reboot - either by disconnecting the power adapter or the PoE cable, or by pressing and immediately releasing the **Reset** button.

  Important
  When you perform a hardware reboot, press and release the Reset button. Do not hold the **Reset** button. If you hold the **Reset** button then you will start a Factory Reset.

- With ExtremeCloud IQ Controller and ExtremeCloud IQ. See ExtremeCloud IQ Controller User Guide or ExtremeCloud IQ User Guide. This is often done after installation or if the AP cannot be easily accessed.

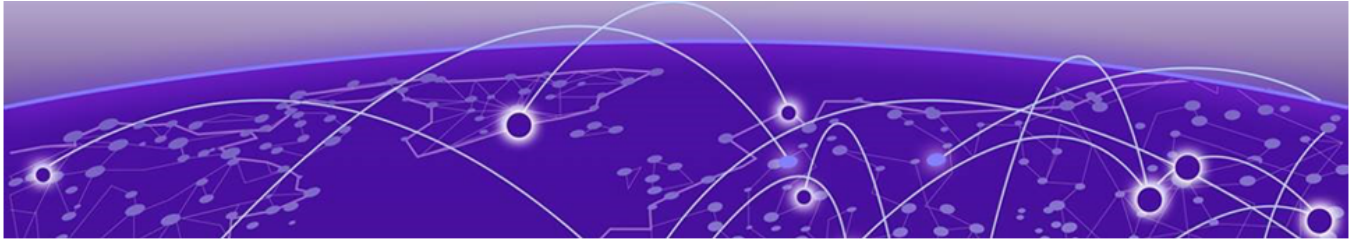
Factory Reset

A factory reset deletes your configuration settings and restores the AP to the original factory settings.

Note
A factory reset should only be done if you intend to restore AP to the original factory configurations.

There are two ways to factory reset the AP:

- With a hardware reset - press and hold the **Reset** button for at least 10 seconds.
- With ExtremeCloud IQ Controller and ExtremeCloud IQ. See ExtremeCloud IQ Controller User Guide or ExtremeCloud IQ User Guide.



Regulatory Information

The following sections outline the regulatory and compliance information for your AP.

Country of Manufacture

Vietnam

Manufacturer: WNC VIETNAM CO., LTD.

Address: Land Lot CN01, Dong Van III Industrial Zone, Dong Van Ward, Ninh Binh Province, Vietnam

Taiwan

Manufacturer: WNC Corporation (S1 manufacturing site)

Address: 5 Lihsin Rd. VI, Hsinchu Science Park, Hsinchu 300, Taiwan

Professional Installation Instruction

Installation personnel

This product is designed for specific application and needs to be installed by a qualified personnel who has RF and related rule knowledge. The general user shall not attempt to install or change the setting.

Installation location

The product shall be installed at a location where the radiating antenna can be kept 36 cm from nearby person in normal operation condition to meet regulatory RF exposure requirement.

External antenna

Use only the antennas which have been approved by the applicant. The non-approved antenna(s) may produce unwanted spurious or excessive RF transmitting power which may lead to the violation of FCC/IC limit and is prohibited.

Installation procedure

Refer to the installation instructions for details.

Warning
Select the installation position and make sure that the final output power does not exceed the limit set force in relevant rules. The violation of the rule could lead to serious federal penalty.

Installation

Ce produit est destine a un usage specifique et doit etre installe par un personnel qualifie maitrisant les radiofrequences et les regles s'y rapportant. L'installation et les reglages ne doivent pas etre modifies par l'utilisateur final.

Emplacement d'installation

En usage normal, afin de respecter les exigences reglementaires concernant l'exposition aux radiofrequences, ce produit doit etre installe de facon a respecter une distance de 36 cm entre l'antenne emettrice et les personnes.

Antenne externe

Utiliser uniquement les antennes approuvees par le fabricant. L'utilisation d'autres antennes peut conduire a un niveau de rayonnement essentiel ou non essentiel depassant les niveaux limites definis par FCC/IC, ce qui est interdit.

Procedure d'installation

Consulter le manuel d'utilisation.

Warning
Avertissement: Choisir avec soin la position d'installation et s'assurer que la puissance de sortie ne depasse pas les limites en vigueur. La violation de cette regle peut conduire a de serieuses penalites federales.

Safety Guidelines

The following safety guidelines are intended to protect your personal safety and prevent damage to the equipment.

Important
Only qualified personnel must perform installation procedures. Within the context of the safety notes in this documentation, qualified persons are defined as persons who are authorized to commission grounding, label devices, systems, and circuits in accordance with established safety practices and standards. A qualified person understands the requirements and risks involved with installing outdoor electrical equipment in accordance with national codes.

CE Marking and European Area (EEA)

Warning
This is a class B product. In a domestic environment, this product may cause radio interference in which case the user may be required to take adequate measures.

Energy-related Products (ErP) Notice

This equipment has been tested and is found to comply with the limits of Ecodesign Directive 2009/125/EC. Under the directive, this device may be considered a "networked equipment with high network availability" (HiNA equipment).

The communication protocol used is IEEE 802.11 b/g/n/a/ac/ax/be.

Wi-Fi functions can be controlled by ExtremeCloud IQ.

FCC Notice (Part 15 - Class B)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from the one the receiver is connected

- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1)This device may not cause harmful interference, and (2)this device must accept any interference received, including interference that may cause undesired operation.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This device meets all the other requirements specified in Part 15E, Section 15.407 of the FCC Rules

For 5925-7125 MHz transmitter operation in Low Power Indoor mode:

1. FCC regulations restrict the operation of this device to indoor use only.
2. The operation of this device is prohibited on oil platforms, cars, trains, boats, and aircraft, except that operation of this device is permitted in large aircraft while flying above 10,000 feet in the 5.925-6.425 GHz band.
3. Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

For operation in Standard power access point mode and standard client:

1. The operation of this device is prohibited on oil platforms, cars, trains, boats, and aircraft.
2. Operation of transmitters in the 5.925-7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

FCC Radiation Exposure Statement

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device meets all the other requirements specified in Part15C, Section 247 and Part 15E, Section 15.407 of the FCC Rules.

Warning
FCC Radiation Exposure Statement: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 72cm for the AP5022 and AP5022FX, and with a minimum distance of 71cm for the AP5022S6D between the radiator and your body.

Industry Canada Notice

This product uses a fixed, integrated internal antenna with no user adjustable orientation.

The antenna orientation and associated worst case tilt angle have been evaluated during certification and confirmed to comply with the EIRP elevation mask requirement specified in RSS 248 Section 4.5.4(c). This device complies with ISED's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation. This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance:

- AP5022 and AP5022S6D: 36cm
- AP5022FX: 33cm

between the radiator and your body.

Ce produit utilise une antenne interne fixe et intégrée sans orientation réglable par l'utilisateur.

L'orientation de l'antenne et l'angle d'inclinaison maximal associé ont été évalués lors de la certification et confirmés conformes à l'exigence de masque d'élévation EIRP spécifiée dans la section 4.5.4(c) de la norme RSS 248. Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de:

- AP5022 and AP5022S6D: 36cm
- AP5022FX: 33cm

de distance entre la source de rayonnement et votre corps.

RSS-248 issue 3 for 6E Statement

- Devices shall not be used for control of or communications with unmanned aircraft systems.
- Devices shall not be used on oil platforms.
- Devices shall not be used on aircraft, except for the low-power indoor access points, indoor subordinate devices, low-power client devices, and very low-power devices operating in the 5925-6425 MHz band, that may be used on large aircraft as defined in the Canadian Aviation Regulations, while flying above 3,048 metres (10,000 feet).
- Operation shall be limited to indoor use only.
- Les dispositifs ne doivent pas être utilisés pour commander des systèmes d'aéronef sans pilote ni pour communiquer avec de tels systèmes.
- Les dispositifs ne doivent pas être utilisés sur les plateformes de forage pétrolier.
- Les dispositifs ne doivent pas être utilisés dans les aéronefs, à l'exception des points d'accès intérieurs de faible puissance, des dispositifs subordonnés intérieurs, des dispositifs clients de faible puissance et des dispositifs de très faible puissance fonctionnant dans la bande de 5 925 à 6 425 MHz, qui peuvent être utilisés dans

les gros aéronefs tel qu'il est défini dans le Règlement de l'aviation canadien, et ce, lorsqu'ils volent à une altitude supérieure à 3 048 mètres (10 000 pieds).

- Le fonctionnement doit être limitée à une utilisation à l'intérieur seulement.

Mexico Compliance Statement

La operacion de este equipo esta sujeta a las siguientes dos condiciones:

1. es posible que este equipo o dispositivo no cause interferencia perjudicial y
2. este equipo o dispositivo debe aceptar cualquier interferencia, incluyendo la que pueda causar su operacion no deseada.
3. Se restringe el funcionamiento de este equipo solo para uso en interiores,
4. A este equipo no deben conectarse antenas externas,
5. Este equipo no debe ser resistente a condiciones climáticas adversas, no debe utilizar baterías y la fuente de alimentación debe estar conectada directamente a la toma de corriente eléctrica.

Brazil Agência Nacional De Telecomunicações (Anatel) Statement

Este produto está homologado pela Anatel, de acordo com os procedimentos regulamentados e atende aos requisitos técnicos aplicados.

Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados. Para maiores informações, consulte o site da Anatel – www.anatel.gov.br.

O produto poderá operar na faixa de 5150-5350MHz somente em ambientes fechado (indoor).

Taiwan Regulatory Statement

取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。 應避免影響附近雷達系統之操作。

Thailand Regulatory Statement

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MPE

China Compliance Statement

核准编号 CMIIT ID 在产品铭牌位置标识

6 GHz is only available in specific countries. It is not available in China. 6 GHz 仅在特定国家可用。在中国不可用。

Japan (VCCI) - Voluntary Control Council for Interference Class B ITE

This is a class B product based on the standard of the Voluntary Control Council for Interference by Information Technology Equipment (VCCI). If this equipment is used in a domestic environment, radio disturbance may arise. When such trouble occurs, the user may be required to take corrective actions.

この装置は，クラスB情報技術装置です。この装置は，家庭環境で使用することを目的としていますが，この装置がラジオやテレビジョン受信機に近接して使用されると，受信障害を引き起こすことがあります。
取扱説明書に従って正しい取り扱いをして下さい。 VCCI－B

United Kingdom (UK) and European Union (EU) Radiation Warning Statement

The device is restricted to indoor use only when operating in the 5150 MHz to 5350 MHz frequency range.

	AT	BE	BG	HR	CY	CZ	DK
	EE	FI	FR	DE	EL	HU	IE
	IT	LV	LT	LU	MT	NL	PL
	PT	RO	SK	SI	ES	SE	UK (NI)

The frequency and the maximum transmitted power in EU and UK are listed below:

AP5022 , AP5022FX, and AP5022S6D EU	AP5022 , AP5022FX, and AP5022S6D UK
2412-2472MHz: 20 dBm	2412-2472MHz: 20 dBm
2402-2480MHz (BR/EDR): 20 dBm	2402-2480MHz (BR/EDR): 20 dBm
2402-2480MHz (LE): 20 dBm	2402-2480MHz (LE): 20 dBm
5180-5240MHz: 23 dBm	5180-5240MHz: 23 dBm
5260-5320MHz: 23 dBm	5260-5320MHz: 23 dBm
5500-5700: 30 dBm	5500-5700: 30 dBm
5745-5825MHz: 13.98 dBm	5745-5825MHz: 23 dBm
5955-6415MHz: 23 dBm	5925-6425 MHz: 23 dBm

Warning
This equipment complies with EU/UK radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Extreme Networks UK Address

Extreme Networks, UK Ltd., 250 Longwater Avenue, Green Park,1st Floor, Reading, UK

Extreme Networks EU Importer Address

Extreme Networks, Ireland Ops Ltd., Rineanna House, Shannon Industrial Estate, Shannon, V14CA36 Ireland

European Waste Electrical and Electronic Equipment (WEEE) Notice

In accordance with Directive 2012/19/EU of the European Parliament on waste electrical and electronic equipment (WEEE):

1. The symbol above indicates that separate collection of electrical and electronic equipment is required.
2. When this product has reached the end of its serviceable life, it cannot be disposed of as unsorted municipal waste. It must be collected and treated separately.
3. It has been determined by the European Parliament that there are potential negative effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment.
4. It is the user's responsibility to utilize the available collection system to ensure WEEE is properly treated.

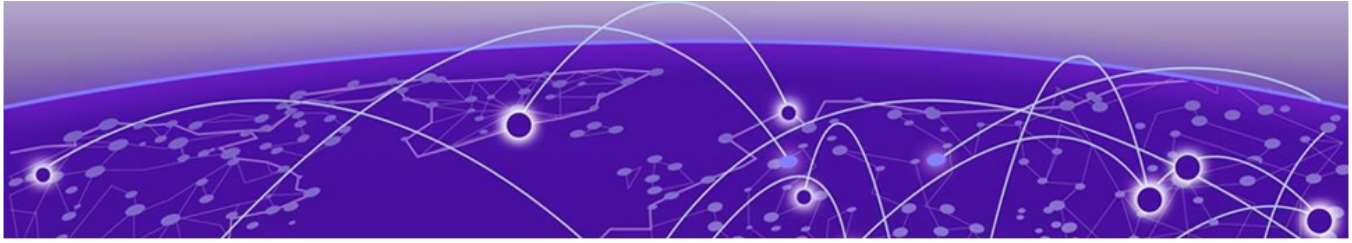
Information on the product take back program, the treatment and recycling facilities, and detailed information regarding the components, materials, and location of hazardous substances is available free of charge upon request by contacting Green@extremenetworks.com.

Declaration of Conformity in Languages of the European Community

English	Hereby, Extreme Networks declares that the radio equipment type (AP5022, AP5022FX, and AP5022S6D) is in compliance with Directive 2014/53/EU. For full text of the EU Declaration of Conformity, contact Extreme Regulatory Compliance at compliancerequest@extremenetworks.com The and
Finnish	Valmistaja Extreme Networks vakuuttaa täten että Radio LAN device (AP5022, AP5022FX, and AP5022S6D) tyyppinen laite on direktiivin 2014/53/EU oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen. EU-vaatimustenmukaisuusvaatimuksen täydellisestä tekstistä ota yhteyttä äärimmäisiin säädösten noudattamiseen osoitteessa compliancerequest@extremenetworks.com
Dutch	Hierbij verklaart Extreme Networks dat het toestel Radio LAN device (AP5022, AP5022FX, and AP5022S6D) in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 2014/53/EU. Neem voor de volledige tekst van de EU-conformiteitsverklaring u contact opnemen met extreme regelgeving op compliancerequest@extremenetworks.com

French	Par la présente Extreme Networks déclare que l'appareil Radio LAN device (AP5022, AP5022FX, and AP5022S6D) est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 2014/53/EU. Pour obtenir le texte intégral du processus de Déclaration de la conformité de l'UE, veuillez contacter la conformité réglementaire extrême à l'adresse suivante: compliancerequest@extremenetworks.com
Swedish	Härmed intygar Extreme Networks att radioutrustningstypen (AP5022, AP5022FX, and AP5022S6D) överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 2014/53/ EU. För fullständig text av EU-försäkran om överensstämmelse, kontakta Extreme regelefterlevnad på compliancerequest@extremenetworks.com
Danish	Undertegnede Extreme Networks erklærer herved, at følgende udstyr Radio LAN device (AP5022, AP5022FX, and AP5022S6D) overholder de væsentlige krav og øvrige relevante krav i direktiv 2014/53/EU. For den fulde ordlyd af EU-overensstemmelseserklæringen bedes du kontakte Extreme Regulatory Compliance på compliancerequest@extremenetworks.com
German	Hiermit erklärt Extreme Networks die Übereinstimmung des "WLAN Wireless Controller bzw. Access Points" (AP5022, AP5022FX, and AP5022S6D) mit den grundlegenden Anforderungen und den anderen relevanten Festlegungen der Richtlinie 2014/53/EU. Für den vollständigen Wortlaut der EU-Konformitätserklärung wenden Sie sich bitte an extreme Regulatory Compliance unter compliancerequest@extremenetworks.com
Greek	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Extreme Networks ΔΗΛΩΝΕΙ ΟΤΙ Radio LAN device (AP5022, AP5022FX, and AP5022S6D) ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 2014/53/EU. Για το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ, παρακαλούμε επικοινωνήστε με την ακραία κανονιστική συμμόρφωση στο compliancerequest@extremenetworks.com
Icelandic	Extreme Networks lysir her med yfir að thessi bunadur, Radio LAN device (AP5022, AP5022FX, and AP5022S6D), uppfyllir allar grunnkrofur, sem gerdar eru i R&TTE tilskipun ESB nr 2014/53/EU. Fyrir fullan texta í ESB yfirlýsingu um samræmi, vinsamlegast hafðu samband við Extreme Reglufylgni á compliancerequest@extremenetworks.com
Italian	Con la presente Extreme Networks dichiara che questo Radio LAN device (AP5022, AP5022FX, and AP5022S6D) è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 2014/53/EU. Per il testo integrale della Dichiarazione di conformità dell'UE, contattare Extreme Regulatory Compliance presso compliancerequest@extremenetworks.com
Spanish	Por medio de la presente Extreme Networks declara que el Radio LAN device (AP5022, AP5022FX, and AP5022S6D) cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 2014/53/EU. Para obtener el texto completo de la Declaración de conformidad de la UE, póngase en contacto con Extreme Regulatory Compliance en compliancerequest@extremenetworks.com

Portuguese	Extreme Networks declara que este Radio LAN device (AP5022, AP5022FX, and AP5022S6D) está conforme com os requisitos essenciais e outras disposições da Directiva 2014/53/EU. Para o texto integral da declaração de conformidade da UE, contacte a conformidade regulamentar extrema em compliancerequest@extremenetworks.com
Malti	Hawnhekk, Extreme Networks, jiddikjara li dan Radio LAN device (AP5022, AP5022FX, and AP5022S6D) jikkonforma mal-htigijiet essenzjali u ma provvedimenti ohrajn relevanti li hemm fid-Dirrettiva 2014/53/EU. Għat-test sħiħ tad-dikjarazzjoni ta ' konformità tal-UE, jekk jogħġbok ikkuntattja lill-konformità regolatorja compliancerequest@extremenetworks.com



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