AP3060 Installation Guide

Setup, Configuration, and Specifications

9041100-00 Rev AA
November 2026



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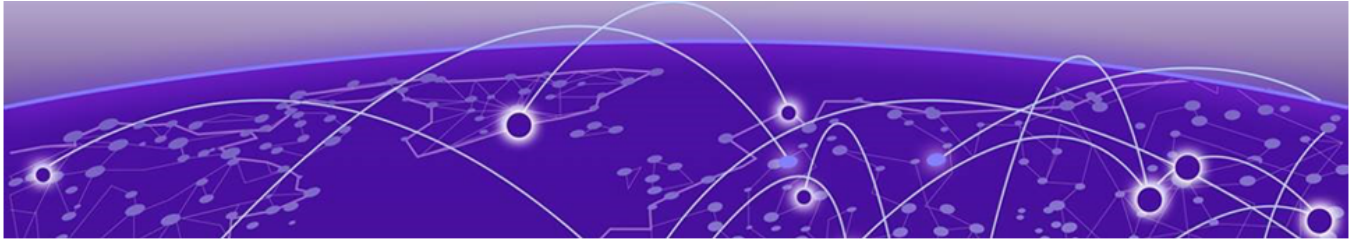


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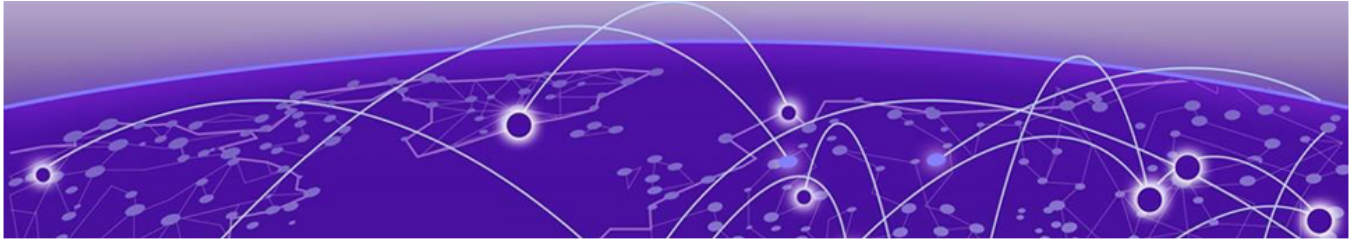
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Abstract

This installation guide for the Extreme Networks AP3060 covers hardware specifications, mounting procedures, network onboarding, and regulatory compliance for a Wi-Fi 7 (802.11be) universal weatherized outdoor access point with internal antennas. The AP3060 features a dual 2x2 radio design supporting three operating modes — Mode 1 (2.4/5 GHz), Mode 2 (5/6 GHz), and Mode 3 (Dual 5 GHz) — along with a dedicated sensor, two IoT radios (Bluetooth 5.2 LE, Thread/Zigbee-ready, IEEE 802.15.4), an internal GPS, and an internal pressure sensor. Standard Power 6 GHz is supported with country-dependent availability. The single ETH0 port supports 100/1G/2.5G Mbps auto-sensing PoE in. Operating temperature range is -40°C to +60°C including solar load. Security features include WPA3, L2-L7 DPI firewall, tri-frequency security, PPSK, and Extreme Fabric Attach support. Installation procedures cover wall mounting using the AH-ACC-BKT-ASM stainless-steel bracket, the KT-147407-02 bracket with optional KT-150173-01 extension arm for ±15-degree tilt, the MBO-ART03 articulating bracket for ±80-degree two-axis tilt, and pole mounting using hose straps or bracket combinations. Grounding and post-installation security procedures are included. Pressure washing guidelines specify PSI limits, nozzle angle, and minimum standoff distance. Pre-installation guidance addresses site survey requirements and DHCP/DNS/NTP prerequisites. Network onboarding is supported using automatic DHCP-based discovery or the ExtremeCloud IQ Mobile Onboarding App.

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

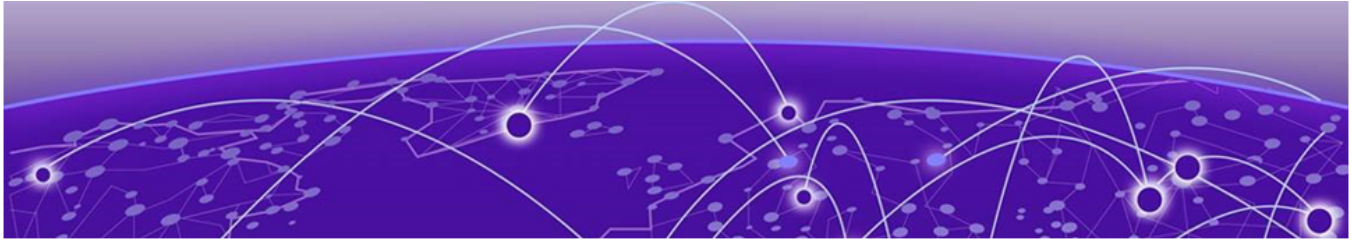
Convention	Description
`screen displays`	This typeface indicates command syntax, or represents information as it is displayed on the screen.
The words *enter* and *type*	When you see the word *enter* in this guide, you must type something, and then press the Return or Enter key. Do not press the Return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

Table 2: Text (continued)

Convention	Description
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.



Documentation and Training

Find Extreme Networks product information at the following locations:

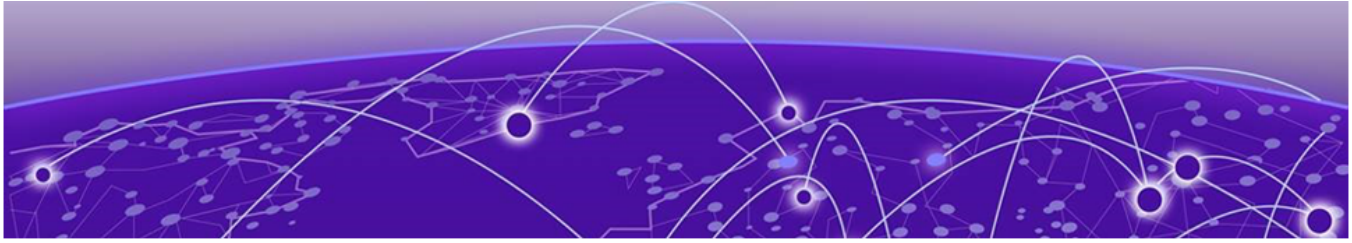
- Current Product Documentation
- Release Notes
- Hardware and Software Compatibility for Extreme Networks products
- Extreme Optics Compatibility
- Other Resources such as articles, white papers, and case studies

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If you require assistance, contact Extreme Networks using one of the following methods:

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For customers with Extreme Platform ONE™ ExtremeWorks / ExtremeWorks Premier subscriptions, technical support cases can be created using Extreme Agent ONE™ Coworker. This option requires that a user has an existing Extreme Networks Support Portal account login (using the same email address as used to log into Extreme Platform ONE™ Networking.) For more information about Extreme Agent ONE™ Coworker “Talk to Support”, see the Extreme Agent ONE™ Coworker documentation.

Extreme Portal

Search the GTAC (Global Technical Assistance Center) knowledge base; manage support cases and service contracts; download software; and obtain product licensing, training, and certifications.

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A forum for Extreme Networks customers to connect with one another, answer questions, and share ideas and feedback. This community is monitored by Extreme Networks employees, but is not intended to replace specific guidance from GTAC.

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For immediate support: (800) 998 2408 (toll-free in U.S. and Canada) or 1 (408) 579 2800. For the support phone number in your country, visit www.extremenetworks.com/support/contact.

Before contacting Extreme Networks for technical support, have the following information ready:

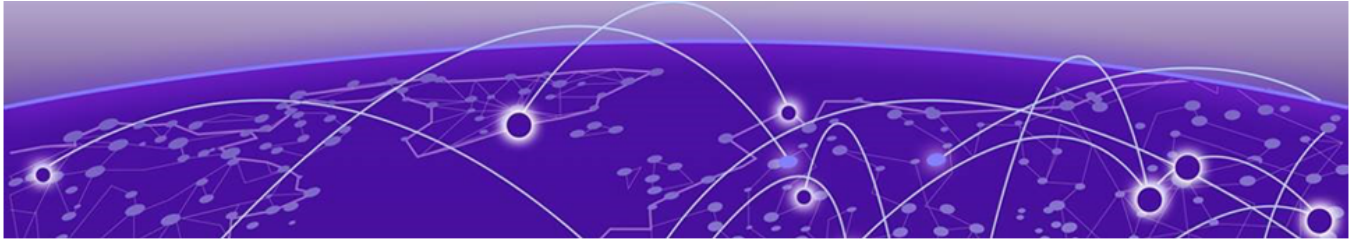
- Your Extreme Networks service contract number, or serial numbers for all involved Extreme Networks products
- A description of the failure
- A description of any actions already taken to resolve the problem
- A description of your network environment (such as layout, cable type, other relevant environmental 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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3. Select a product for which you would like to receive notifications.
4. Select **Subscribe**.
5. To select additional products, return to the **Product Announcements** list and repeat steps 3 and 4.

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- Content errors, or confusing or conflicting information.
- Improvements that would help you find relevant information.
- Broken links or usability issues.

To send feedback, email us at Product-Documentation@extremenetworks.com.

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.

AP3060 Overview

Purchase Information on page 13
Accessories on page 13
Technical Specifications on page 14
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Figure 1: AP3060 Access Point

The AP3060 is a universal weatherized access point with a Wi-Fi 7 dual radio with internal antennas.

The AP3060 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. It can operate in either the cloud with ExtremeCloud IQ or in an on-premises environment with ExtremeCloud IQ Controller.

You can operate the AP across three bands:

- 2.4 GHz and 5 GHz
- 5 GHz and 6 GHz
- Dual 5 GHz

The AP3060 supports 6 GHz Standard Power and it has an internal GPS. The AP3060 also has an internal pressure sensor.

Note
Support for 6 GHz Standard Power is country-dependent.

Purchase Information

Use the information below when you order your AP.

Table 4: Access Point Part Number

Part Number	Description
AP3060-WW	Outdoor Dual Radio Wi-Fi 7 AP, 2.4 GHz and 5 GHz or 5 GHz and 6 GHz OR Dual 5 GHz, Multi-rate Port, Internal antennas. IoT Radio. Domain: World SKU
AP3060-WW-TAA	Outdoor Dual Radio Wi-Fi 7 AP, 2.4 GHz and 5 GHz or 5 GHz and 6 GHz OR Dual 5 GHz, Multi-rate Port, Internal antennas. IoT Radio. Domain: World SKU TAA Compliant
AP3060-EG	Outdoor Dual Radio Wi-Fi 7 AP, 2.4 GHz and 5 GHz or 5 GHz and 6 GHz OR Dual 5 GHz, Multi-rate Port, Internal antennas. IoT Radio. Domain: Egypt
AP3060-IL	Outdoor Dual Radio Wi-Fi 7 AP, 2.4 GHz and 5 GHz or 5 GHz and 6 GHz OR Dual 5 GHz, Multi-rate Port, Internal antennas. IoT Radio. Domain: Israel

Accessories

The following accessories are supported on the AP3060.

Note
Order supported mounting accessories separately.

Table 5: Supported Mounting Accessories

Item	Description
Option 1: Mount to a Pole or a Wall Vertically	
AH-ACC-STRP-MRN	Outdoor access point stainless steel hose strap for 7.62 cm–17.78 cm (3 in.–7 in.). diameter pole. Order two for mounting AP3060 to a pole.
AH-ACC-BKT-ASM	Outdoor access point stainless steel wall bracket assembly. Allows the AP to mount to a wall.
Option 2: Mount to a Pole or a Wall with ± 15-Degree Tilt and/or Extension	
KT-147407-02	Provides a ± 15-degree tilt – wall or pole mount.

Table 5: Supported Mounting Accessories (continued)

Item	Description
Option 3: Mount to a Wall with > 15-Degree Tilt and Variable Extension	
MBO-ART03	MBO-ART03 Articulating Mounting Bracket. Provides a 2 axis ± 80-degree tilt and 25.4 cm (10 in.) extension - wall. You can use the MBO-ART03 with the KT-147407-02 for pole mounting. It can also be used with the ACC-MBO-KT-AX for a downward tilt of 20 degrees or less to prevent water ingress.

Table 6: Other Accessories

Accessory	Description	Comment
ACC-WIFI-MICRO-USB	Micro-USB to USB Console Adapter Cable for Extreme Wireless Access Points	Used for troubleshooting.
ACC-ODS-CAT6A-LAN-GSKT	For use with a CAT6A LAN cables.	**Note:** When ordering, do not confuse the **ACC-ODS-CAT6A-LAN-GSKT** for use on the Wi-Fi 7 APs with the ACC-CAT6-LAN-GSKT. Ensure that you order the **ACC-ODS-CAT6A-LAN-GSKT** gasket.

Technical Specifications

Note
802.3bt PoE is typically used with the 5W USB. 802.3af is not an operational power mode; it is typically used only during the onboarding stage.

For more information, see the AP3060 data sheet.

Physical Dimensions

The AP3060 has the following dimensions and weight:

- Dimensions: 205 × 205 × 81mm (8.07 × 8.07 × 3.19in.)
- Weight: 1.45kg (3.2lb)

Environmental Specifications

The following list shows the environmental operating conditions for the AP3060:

- Operating:–40°C to +60°C (–40°F to 140°F) (including solar load)
- Storage: –40°C to +70°C (–40°F to 158°F)

Antenna Gain

The following table shows the antenna gain for the AP3060 internal antenna. Use this information when you plan your installation.

Table 7: AP3060 Antenna Gain

Operational Mode	Radio 1	Radio 2	IoT Radio 1	IoT Radio 2
Mode 1	2.4 GHz 7 dBi	5 GHz 5.7 dBi	4.6 dBi	6.2 dBi
Mode 2	6 GHz 5.5 dBi	5 GHz 5.7 dBi	4.6 dBi	6.2 dBi
Mode 3	5 GHz 5.9 dBi	5 GHz 5.7 dBi	4.6 dBi	6.2 dBi

Radios

The AP3060 has an outdoor dual radio design with two 2x2 radios:

- Radio 1: 2x2 2.4 GHz, 6 GHz, or 5 GHz–Low
- Radio 2: 2x2 5 GHz-Full, or 5 GHz–High

It also has a dedicated sensor, and two Internet of Things (IoT) radios (5 GHz and 6 GHz; Thread and Zigbee ready, Bluetooth 5.2 Low Energy, IEEE 802.15.4).

The available frequency bands are:

- 2.4 GHz and 5 GHz
- 5 GHz and 6 GHz
- Dual 5 GHz

Power Profiles

The following table shows the power profiles for each available operating mode.

Table 8: AP3060 Power Profiles

Operating Mode	Radio 1	Radio 2	IoT Radios (2)
Mode 1	2.4 GHz Full 17dBm (2x2)	5 GHz Full (5.15 – 5.85 GHz) 18dBm (2x2)	Yes
Mode 2	6 GHz Full (5.945 – 7.125 GHz) 18dBm (2x2)	5 GHz Full (5.15 – 5.85 GHz) 18dBm (2x2)	Yes
Mode 3	5 GHz Low (5.15 – 5.35GHz) 18dBm (2x2)	5 GHz High (5.5 – 5.85 GHz) 18dBm (2x2)	Yes

Power Consumption

The AP3060 has the following power consumption:

- 802.3af Input: Typical 11W; maximum 13W

AP3060 Hardware Ports

The AP3060 has the following ports, connectors, and hardware features:

- One safety hanger slot.
- One Ethernet ports with RJ45 connectors:
  - ETH0: 100/1GE/2.5GE Mbps auto-sensing Ethernet PoE port with PoE in.
  - 802.3az Energy-Efficient Ethernet (EEE).

Important
South Korea, Mexico, Taiwan, and Brazil require the use of CAT6 shielded cable.

Hardware Ports

The following table and graphic show the available ports on the front of the AP.

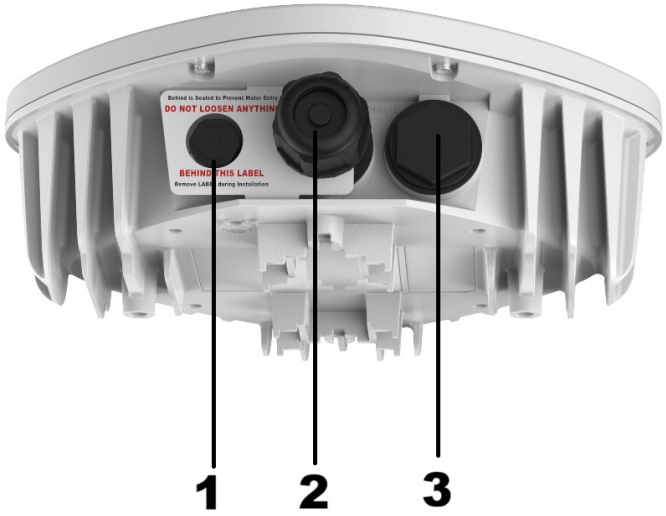


Figure 2: Ports and Connectors

Table 9: AP3060 Front Ports and Connections

Item	Port	Description
1	Air Vent	A pressure valve for the release of air. Do not loosen this vent.
2	ETH0/PoE	Ethernet port.
3	Console port	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 the 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.

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.

2.4 GHz Radiation Patterns

The following diagrams illustrate the radiation patterns for 2.4 GHz.

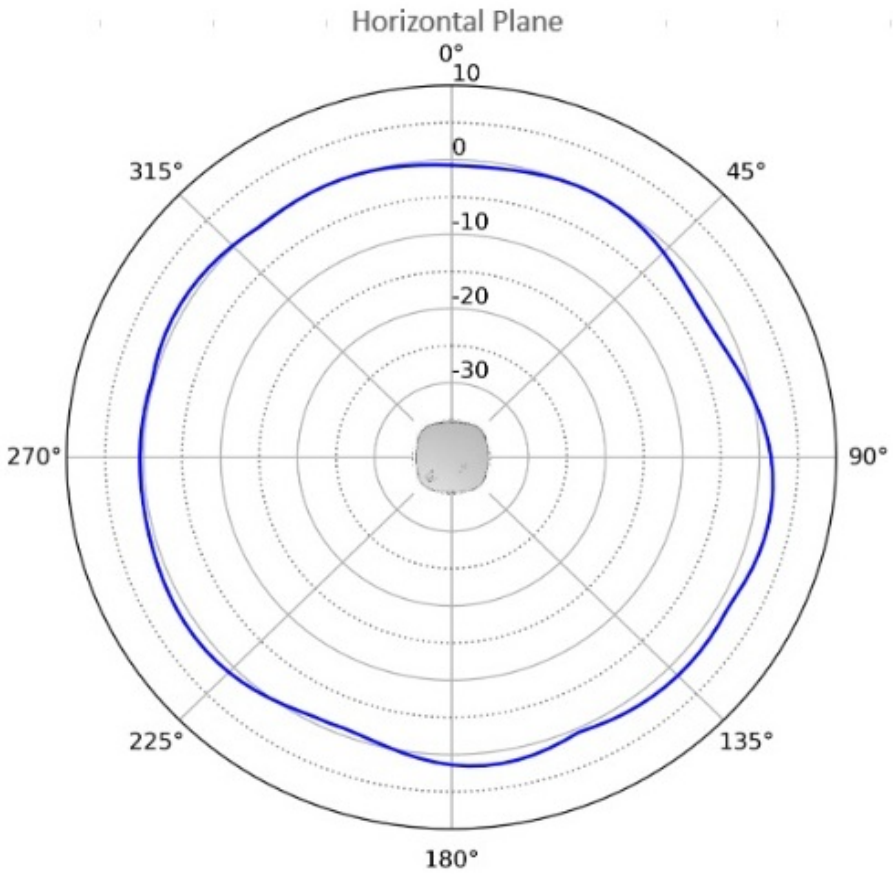


Figure 3: 2.4 GHz Horizontal Radiation Patterns

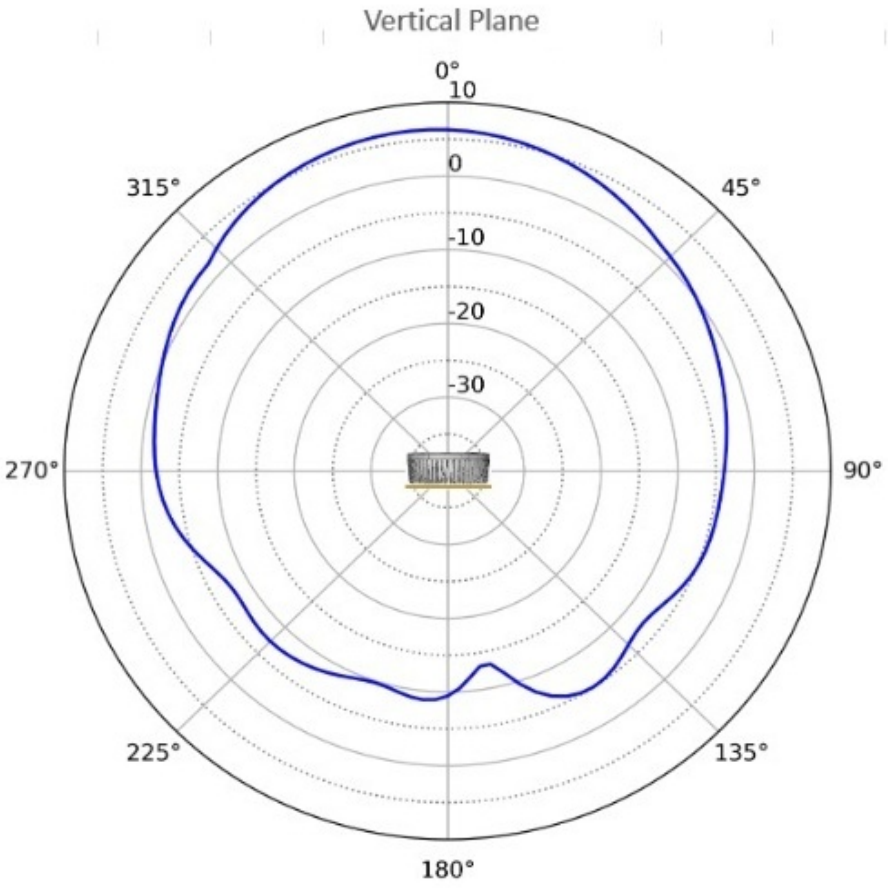


Figure 4: 2.4 GHz Vertical Radiation Patterns

5.0 GHz Radiation Patterns

The following diagrams illustrate the radiation patterns for 5.0 GHz.

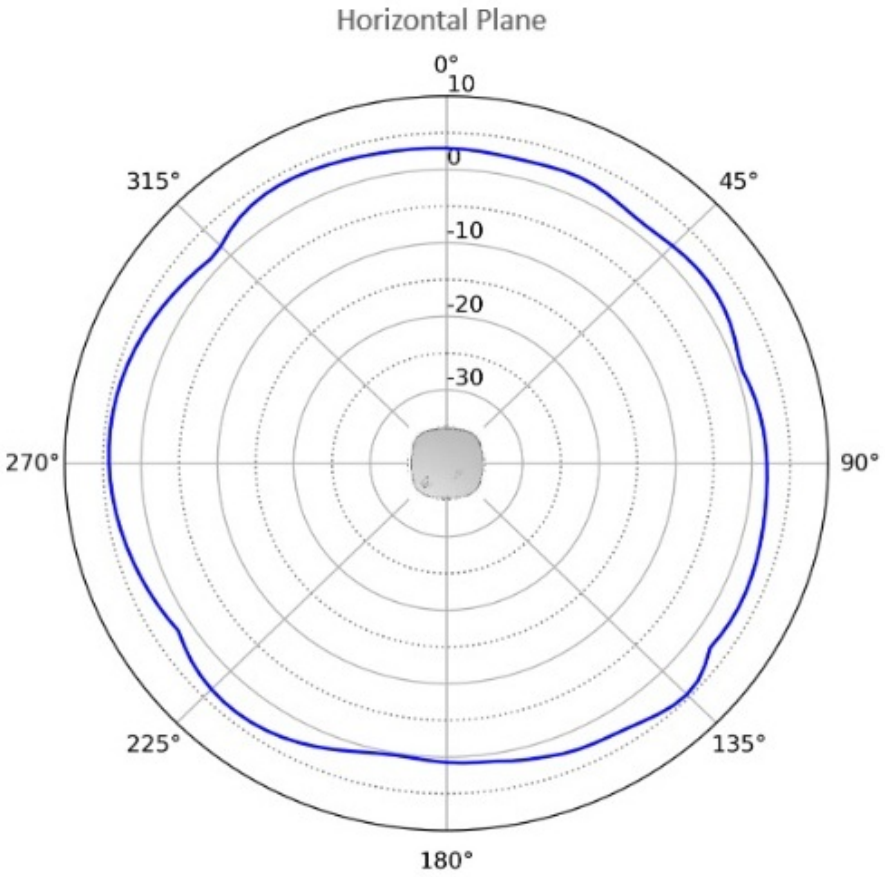


Figure 5: 5.0 GHz Low Horizontal Radiation Patterns

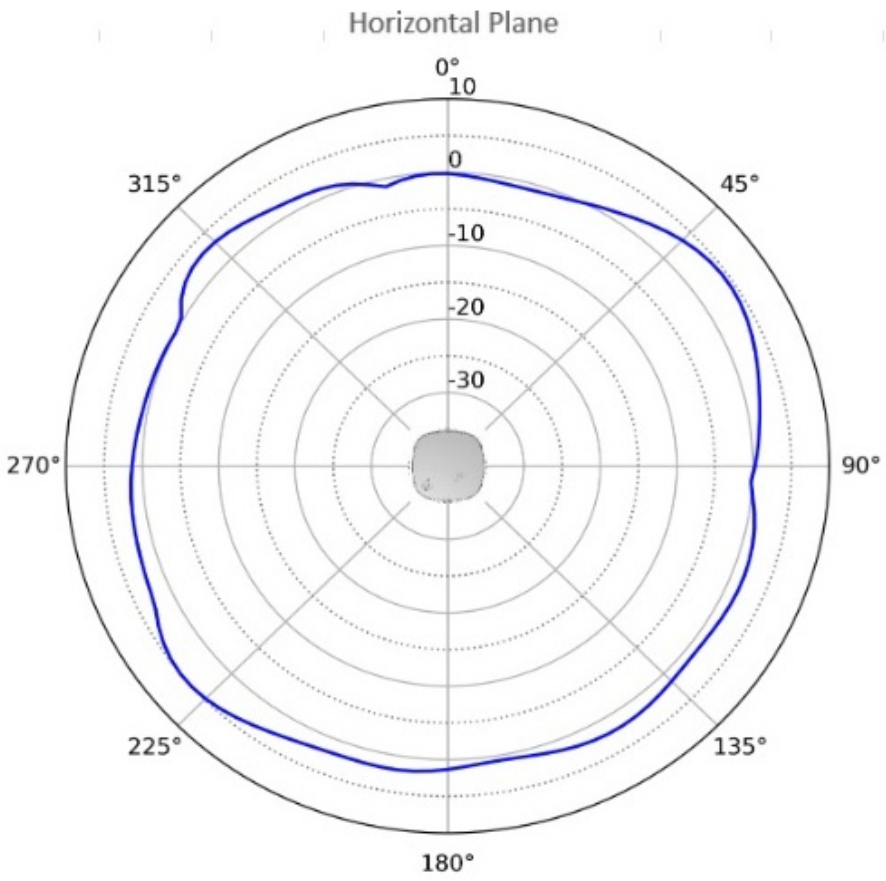


Figure 6: 5.0 GHz Horizontal Radiation Patterns

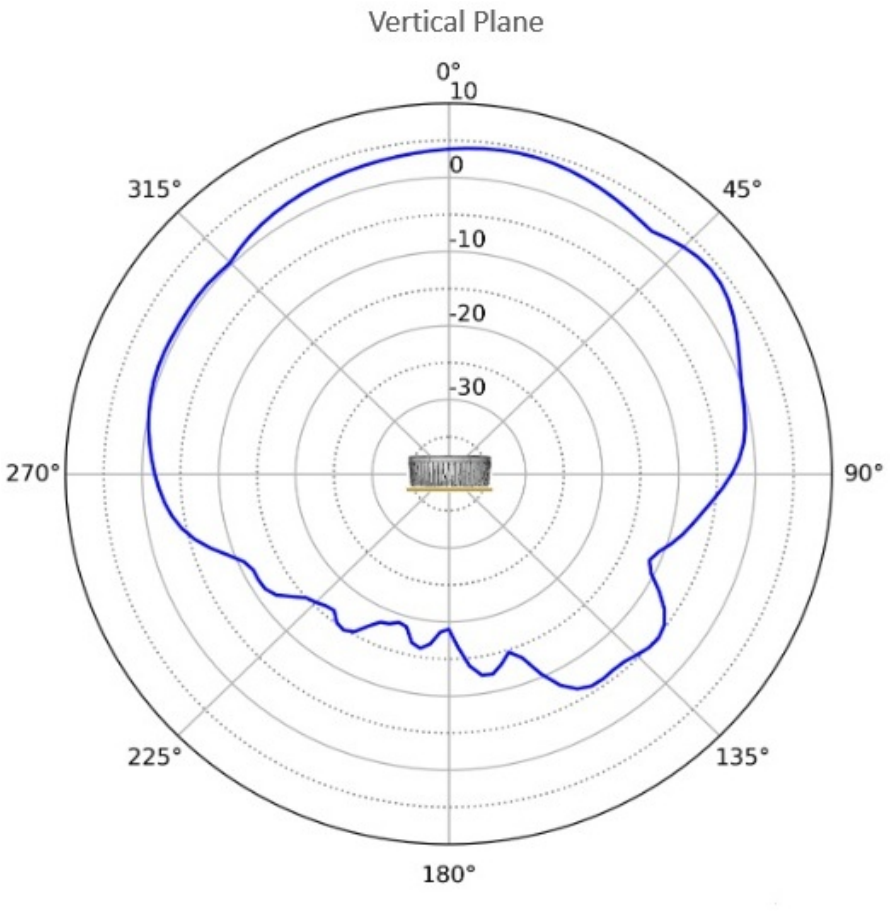


Figure 7: 5.0 GHz Low Vertical Radiation Patterns

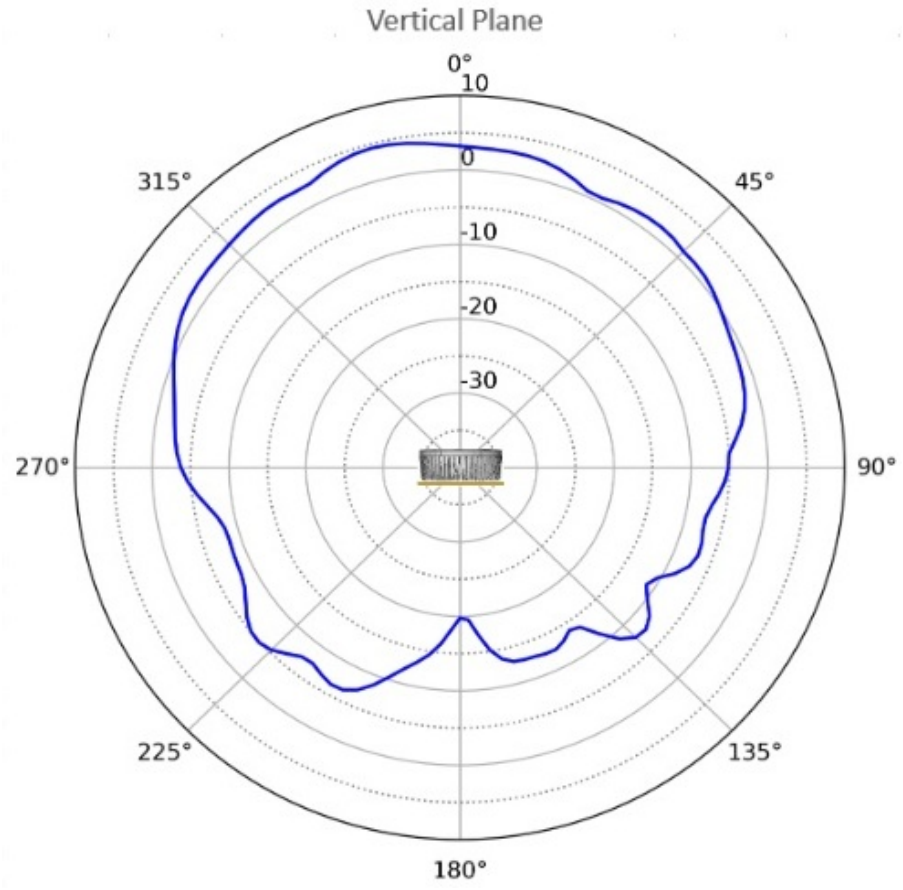


Figure 8: 5.0 GHz Vertical Radiation Patterns

6.0 GHz Radiation Patterns

The following diagrams illustrate the radiation patterns for 6.0 GHz.

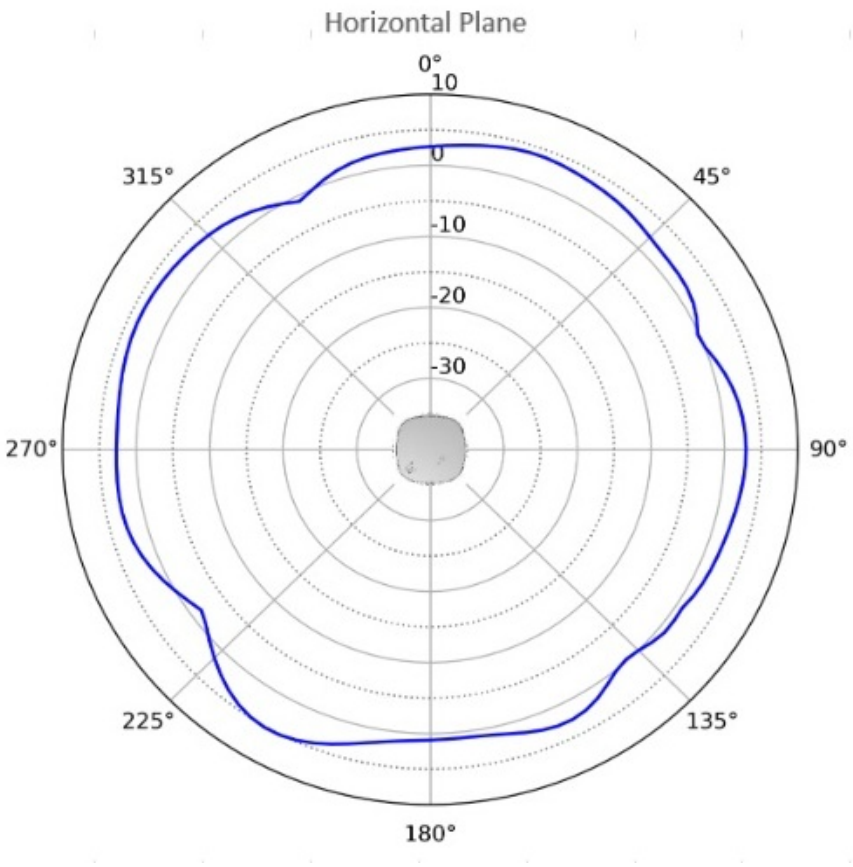


Figure 9: 6.0 GHz Horizontal Radiation Patterns

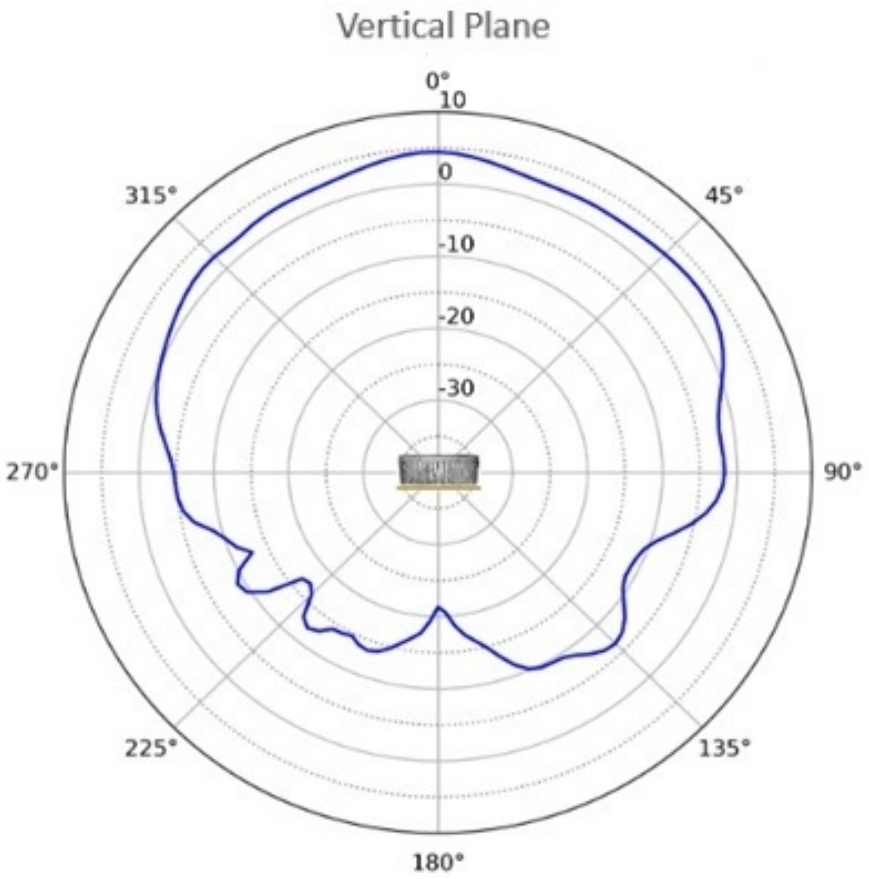


Figure 10: 6.0 GHz Vertical Radiation Patterns

Bluetooth Low Energy (BLE) 0 Radiation Patterns

The following diagrams illustrate the radiation patterns for BLE 0.

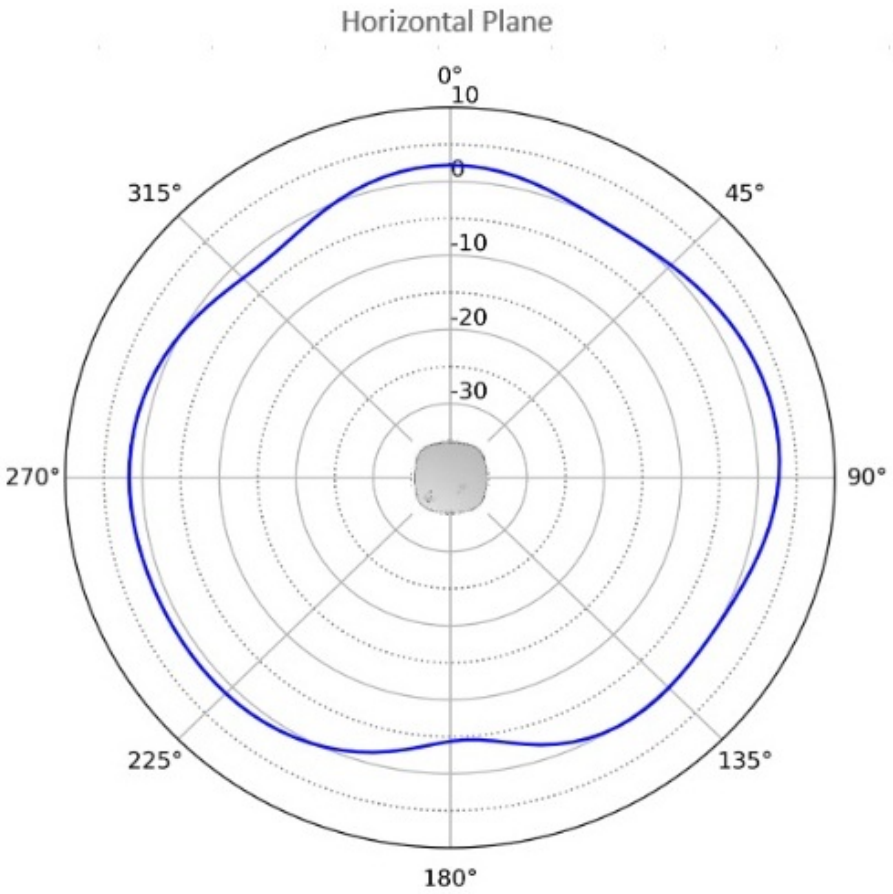


Figure 11: BLE 0 Horizontal Radiation Patterns

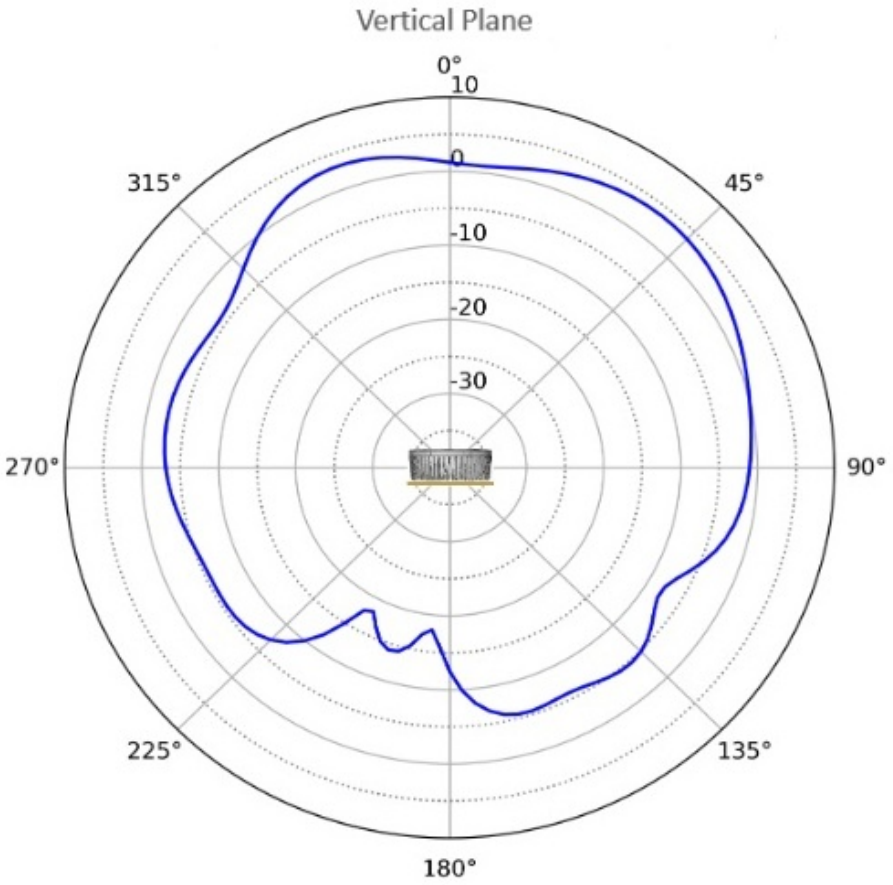


Figure 12: BLE 0 Vertical Radiation Patterns

BLE 1-1 Radiation Patterns

The following diagrams illustrate the radiation patterns for BLE 1-1.

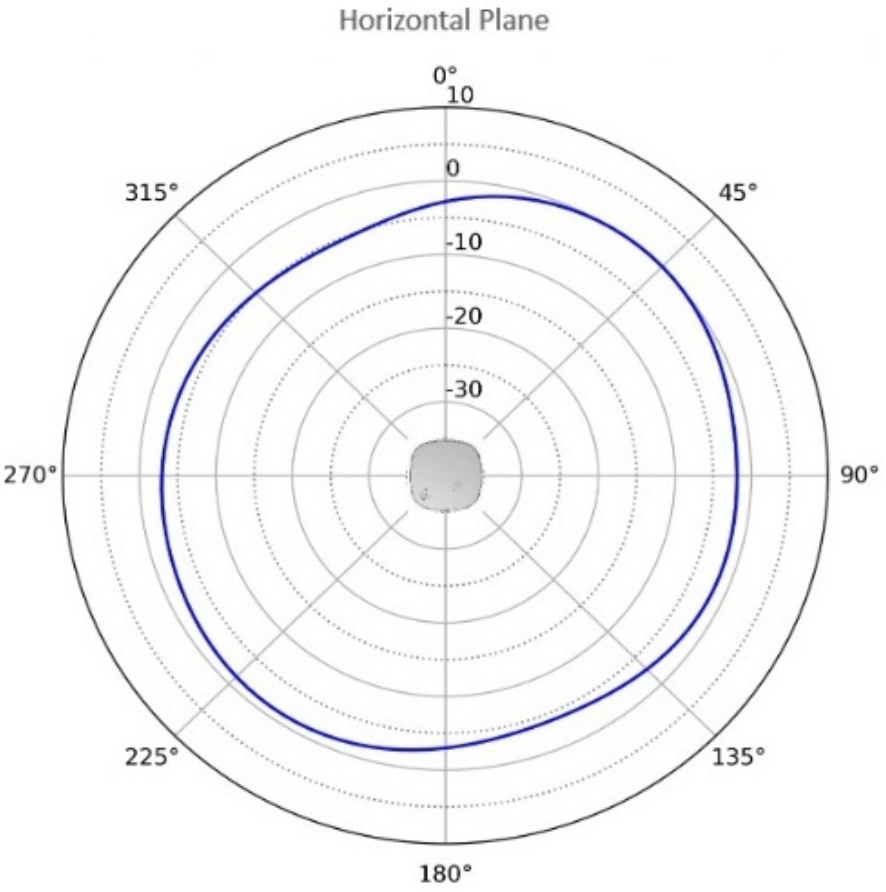


Figure 13: BLE 1-1 Horizontal Radiation Patterns

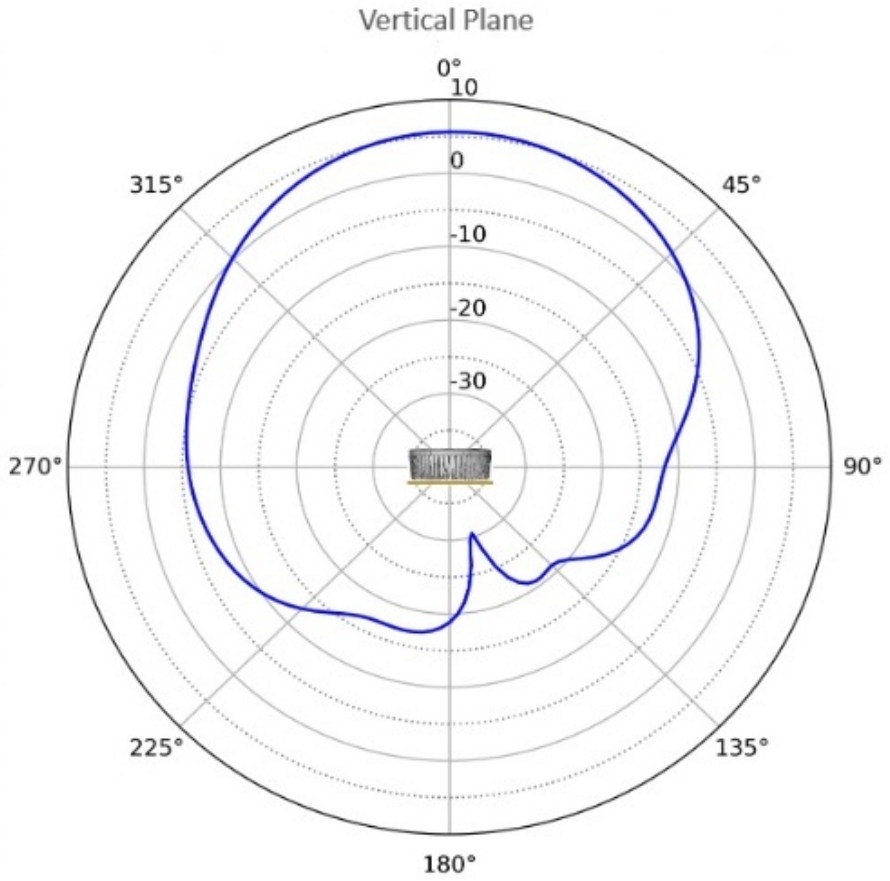


Figure 14: BLE 1-1 Vertical Radiation Patterns

BLE 1-2 Radiation Patterns

The following diagrams illustrate the radiation patterns for BLE 1-2.

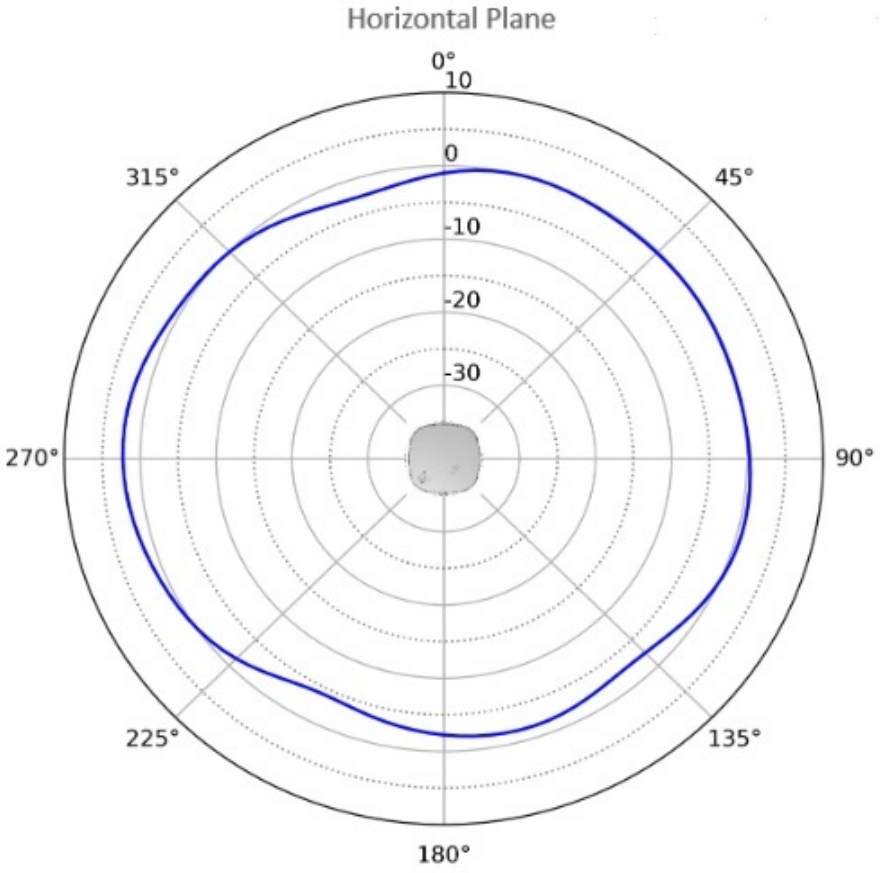


Figure 15: BLE 1-2 Horizontal Radiation Patterns

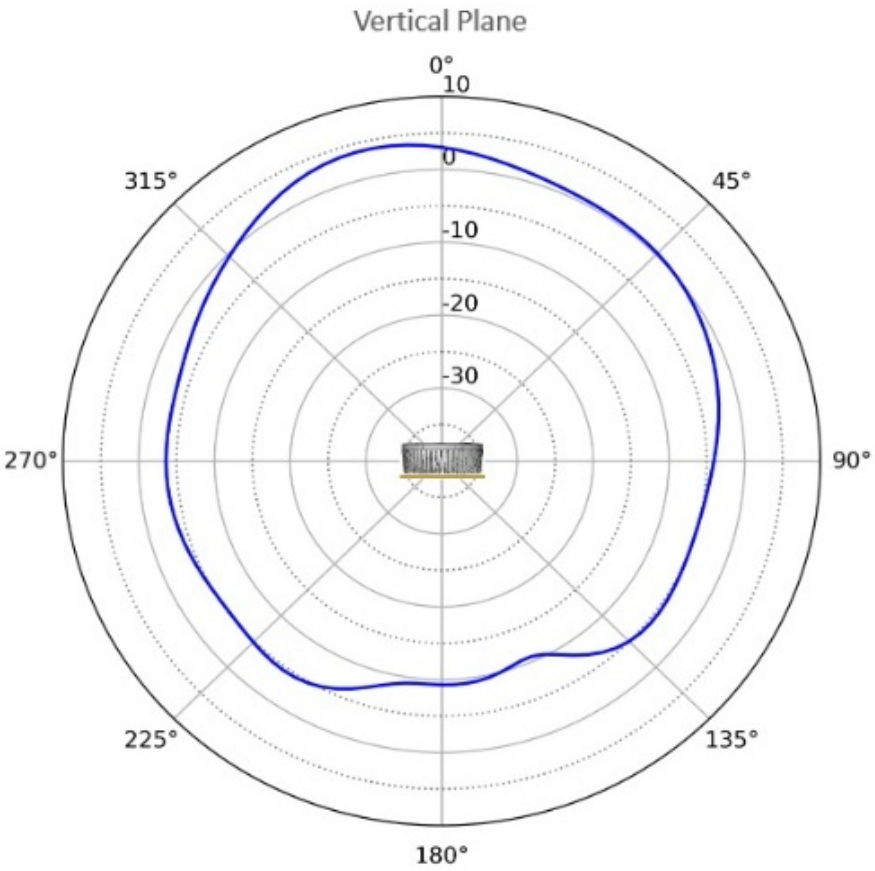


Figure 16: BLE 1-2 Vertical Radiation Patterns

LED Descriptions

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

The following tables show 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.

Table 10: ExtremeCloud IQ LED Activity (continued)

Status	Activity
Solid amber	The power is on and the AP is starting up, 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 you locate the AP by sight.
Solid amber	A firmware upgrade is occurring
Fast-blinking amber	The AP is acquiring the DHCP IP.

Security

The AP3060 supports 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

Pressure Wash the AP

Before You Begin

Ensure that your pressure washing equipment fulfills the following specifications:

- Pressure washer pounds per square inch (psi) must be less than 4,000 psi (27.6 MPa).
- Use a nozzle with a spray angle of at least 15 degrees.
- The pressure washing nozzle must be at least 0.61m (24 in.) away from the AP.

Cleaning Solution Specifications

Read the following list before you clean the AP:

- Use only commercially available cleaning agents and solvents to clean the AP.

- Use only commercially available ice-melt products.

Caution
Do not use cleaning agents, solvents, and ice-melt products that are flammable, contain polycarbonate or rubber dissolving ingredients, uses refined petrochemical materials, and any other materials that can damage a concrete surface.

Caution
Do not use the pressure washing equipment near power lines. Wear safety goggles with complete eye protection when using the power washing equipment.

About This Task

You can pressure wash the access point and the surface under a seat or a slope around the access point to remove dirt and debris.

Tip
The best practice is to follow the pressure washing guidelines for longevity of the access point parts.

Procedure

1. Use a prescribed pressure washing nozzle to wash the access point and the surface around it.
2. Keep the pressure washing nozzle at least 0.61m (24 in.) away from the access point.

Installation

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Install the Access Point on a Unistrut Structure With the MBO-ART03 Bracket on page 45
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Drip Loop for Cables on page 49
Onboard the Access Point with the ExtremeCloud IQ Mobile Onboarding App on page 49
Troubleshoot the AP on page 50

Use the information in the following sections as you install your AP.

Pre-Installation Tasks

Complete the following tasks before you install the AP.

Site Survey

Before you install the AP, perform a site survey and create a coverage map to identify and address potential issues.

Ask yourself the following questions:

- What is the purpose of the WLAN?
- 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 requirements.
- Document the switch and ports used by the AP with LLDP protocol.
- Confirm cables meet or exceed the required specifications.
- Check that the AP turns on correctly.

Installation Workflow

If you meet the DHCP and DNS prerequisites, the system adds the AP automatically. You can also save time by configuring the AP in pre-provision mode before you install it.

You can revert the AP to production mode when you are ready for deployment.



Important

Before you install your AP, read the deployment and onboarding information in ExtremeCloud IQ Controller Deployment Guide for on-premises deployments or the Extreme Platform ONE Networking User Guide for a Cloud deployment.

Extreme Networks devices, including access points, require firmware updates to ensure optimal performance and security. During deployment, upgrade your APs to the latest firmware.



Caution

Do not stack APs on top of each other during onboarding or configuration. This can cause heat to build up between the APs, damage the radomes, and void the warranty.

Note

Confirm that Domain Name System (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.

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.

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

Table 12: Installation Workflow

Steps	Action	Purpose
1	Verify the box contents.	Confirm that your AP and accessories arrived complete and undamaged.
2	Install the access point to a wall, a pole, or a Unistrut.	Install the AP on a ceiling or wall, and connect the network cable. If you use Power over Ethernet (PoE), then the AP turns on. 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) Lock the access point.	Secure the AP and prevent someone from removing it.
4	(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.
5	Confirm that the LED is white.	A white LED indicates that your AP has turned on 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

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

Table 13: Hardware

Quantity	Item
1	AP3060 with one installed M25 cable gland assembly and plug, and one installed Console M25 Hex caps.
1	Regulatory document for your access point
1	AH-ACC-BKT-AX-TB mounting bracket
1	Hardware bag with a M4 ground screw, ring terminal, and star washer.

Wall Installation

You have the following options to mount an AP3060 to a wall.

Table 14: Wall Mounting Options

Mounting Accessory	Scenario	Note
Option 1: Mount to a Pole or a Wall Vertically		
AH-ACC-BKT-ASM	Outdoor access point stainless steel wall bracket assembly.	Mounts the AP to a wall
Option 2: Mount to a Pole with a 15-Degree Tilt		
KT-147407-02	Outdoor hardware kit (harsh environments)	Provides a ± 15-degree tilt – wall or pole mount
KT-150173-01	Outdoor AP 30.5 cm (12 in.) extension arm for MNTG kit.	Provides a 30.5 cm (12 in.) extension – use with KT-147407-02 for pole and/or tilt
Option 3: Mount to a Wall with > 15-Degree Tilt and Variable Extension		
MBO-ART03	MBO-ART03 Articulating Mounting Bracket	Provides a 2-axis ± 80-degree tilt (20-degree increments) and 25.4 cm (10 in.) extension - wall

Install the Access Point on a Wall or Flat Surface Using the AH-ACC-BKT-ASM Accessory

Before You Begin

The following hardware is required to install the access point to a flat surface:

- An AP.
- One AH-ACC-BKT-ASM wall accessory, purchased separately.
- Four shoulder M5 bolts.
- Four mount screws and screw-in anchors, included with the bracket.

About This Task

Install the access point on a vertical or horizontal flat surface using the AH-ACC-BKT-ASM accessory.

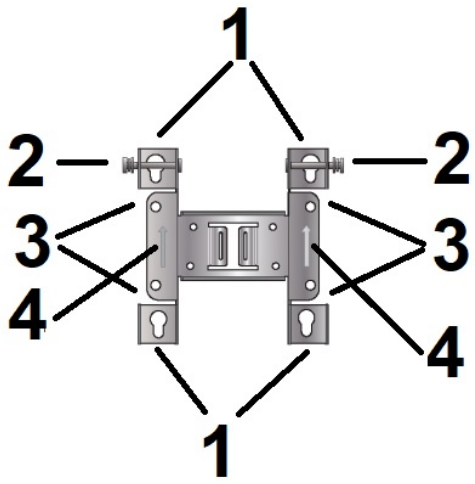


Figure 17: AH-ACC-BKT-ASM Accessory

Table 15: AH-ACC-BKT-ASM Components

Callout	Description
1.	Keyholes
2.	Locking screws
3.	Wall mounting holes
4.	Printed arrows

Procedure

1. Using the ASM wall accessory as a template, drill four mounting holes on a flat surface.

   The printed arrows on the accessory must be pointing up.
2. Attach the ASM accessory to the wall by using four mounting screws.

   Use screw-in anchors with the mounting screws on a wood surface, and concrete anchors on a concrete surface.
3. Insert the M5 shoulder mounting screws into the access point mounting holes.
4. Tighten the M5 shoulder mounting screws to a torque of 2.82 Newton-meters (25 in-lb).
5. Remove the two locking screws on the accessory.
6. Insert the M5 bolt heads on the access point into the large end of the accessory keyholes and slide the access point down until the bolts rest in the narrow end of the keyholes.
7. Reinstall and tighten the locking screws on the ASM accessory to secure the access point.

Install the Access Point on a Wall or Flat Surface with the KT-147407-02 Bracket

Before You Begin

Obtain the following items:

- The flat part of the KT-147407-02 bracket
- One-axis tilt part of the KT-147407-02 bracket
- One AP
- Six M6 screws
- Four wall screws

About This Task

Use the following information when you install the access point on a wall or flat surface with the KT-147407-02 bracket.

Procedure

1. Attach the flat part of the KT-147407-02 bracket to the access point using two M6 screws.
2. Using the one-axis tilt bracket as a template, mark and drill four holes on a wall or on a flat surface.
3. Attach the one-axis tilt bracket to a wall or flat surface using four wall screws.
4. Align the one-axis tilt bracket part inside the flat part of the KT-147407-02 bracket, and attach the flat bracket to the one-axis tilt bracket using four M6 screws.
5. Tilt the access point to a desired angle and tighten the four M6 screws to a torque of 5.08 Newton-meters (45 in-lb.).
6. The tilt bracket has +15 degrees to -15 degrees of tilt.

Install the Access Point Using KT-147407-02 Bracket Parts and KT-150173-01 Extension Arm

Before You Begin

Obtain the following items:

- The flat part of the KT-147407-02 bracket
- One-axis tilt part of the KT-147407-02 bracket
- The KT-150173-01 extension arm
- One AP

About This Task

The KT-150173-01 extension arm is used in combination with the wall and pole bracket parts of the KT-147407-02 bracket if you want a tilt. Install your AP with an extension arm if you need a standoff distance but no tilt.

Procedure

1. Attach the flat part of the KT-147407-02 bracket to the access point using two M6 screws.
2. Using the KT-150173-01 extension arm as a template, mark and drill four hole centers on a flat surface.
3. Ensure that the holes are within the circular cuts in the end of the flange.

4. Place the flat part of the KT-147407-02 bracket inside the one-axis tilt bracket, and attach the one-axis tilt bracket to the flat bracket using four M6 screws.
5. Attach one end of the KT-150173-01 extension arm to the 1-axis tilt bracket using two hex-head M12 stainless-steel screws and two hex-head M12 stainless-steel nuts through the two large circular holes on the KT-150173- 01 extension arm.
6. Attach the KT-150173-01 extension arm, that now has the access point mounted on the other end, to a flat surface using four M6 size hex-head screws.
7. Use screw-in anchors with the four M6 hex-head screws when you mount the bracket on a wood surface and use concrete anchors for concrete surface.

Install the Access Point on a Wall with the MBO-ART03 Bracket

Before You Begin

You need the following items:

- One AP
- One MBO-ART03 articulating mounting bracket
- Six M6 hex-head screws.
- Two M6 hex-head screws for attaching the bracket and the access point.
- Four M6 hex-head screws for attaching the bracket to the wall.
- Two long M6 hex screws and nuts to lock each axis.

You also need one adjustable wrench, socket wrench, or channel pliers that matches the nuts for the M6 hex screws.

About This Task

Use the MBO-ART03 bracket if you require a bracket with ± 80-degree 2-axis tilt.

Note
When using the MBO-ART03 articulating mounting bracket, set the maximum downward tilt to less than 20 degrees to prevent water ingress.

Procedure

1. Use one of the bracket ends as a template. You can remove the end from the bracket.
2. Drill four holes on the wall.
3. Adjust the arm length.
4. The arm is set to a 19.05 cm (7.5-in.) extension. To increase it to a 22.86 cm (9-in.) extension, you move 1 pivot and lock screw to the outside holes on 1 bracket. To increase the extension to 26.67 cm (10.5-in.), move both pivot and lock screw pairs to the outside holes on each bracket.
5. Attach the bracket to the access point with the M6 hex-head screws.
6. Align the bracket mounting holes with the holes on the wall.
7. Attach the bracket to the wall with the M6 hex-head screws.
8. Insert the locking bolts into the bracket and arm locking hole.
9. Attach the nuts and torque to 5.1 Newton-meters (45 in-lb.).
10. Tighten the pivot screws and nuts to 6.8 Newton-meters (60 in-lb.).

Pole Installation

You have the following options to mount an AP3060 to a pole.

Table 16: Pole Mounting Options

Mounting Accessory	Scenario	Note
Option 1: Mount to a Pole or a Wall Vertically		
AH-ACC-STRP-MRN	Outdoor access point stainless steel hose strap for 7.62 cm - 17.78 cm (3 in. – 7 in.) diameter pole.	Order two for mounting AP or KT-147407-02 to a pole.
Option 2: Mount to a Pole with a 15-Degree Tilt		
KT-147407-02	Outdoor hardware kit for harsh environments.	Allows ±15-degree tilt.
KT-150173-01	30.5 cm (12-in.) extension arm for MNTG kit.	Provides a 30.5 cm (12 in.) extension. Use with KT-147407-02 for pole and/or tilt.
Option 3: Mount to a Wall with > 15-Degree Tilt and Variable Extension		
MBO-ART03	MBO-ART03 Articulating Mounting Bracket.	Allows 2 axis ±80-degree tilt (20-degree increments).

Install the Access Point on a Pole Using AH-ACC-STRP-MRN

Before You Begin

The following hardware is required for installing the access point on a vertical pole or a horizontal pole:

- Two AH-ACC-STRP-MRN accessories. The best practice is to mount the access point to a pole with a minimum circumference of 7.62 cm (3 in.). Use a stainless-steel cable clamp that is 1.27 cm (0.5 in.) wide. You must provide your own cable clamps if you are mounting the AP to a pole that is less than 7.62 cm (3 in.) or more than 17.78 cm (7 in.) in diameter
- A screwdriver to tighten the clamp screws

About This Task

You can install the access point on a vertical pole in the following positions:

- Vertically oriented access point mounted onto a pole
- Horizontally oriented access point mounted onto a pole

Procedure

1. Thread the cable clamp straps through the access point rear slots.
2. Position and insert the cable clamp straps around the pole.

Note
Ensure that the access point top slots are nearest to the sky and the bottom slots are nearest to the ground.

The following diagram shows the pole mount strap slots.

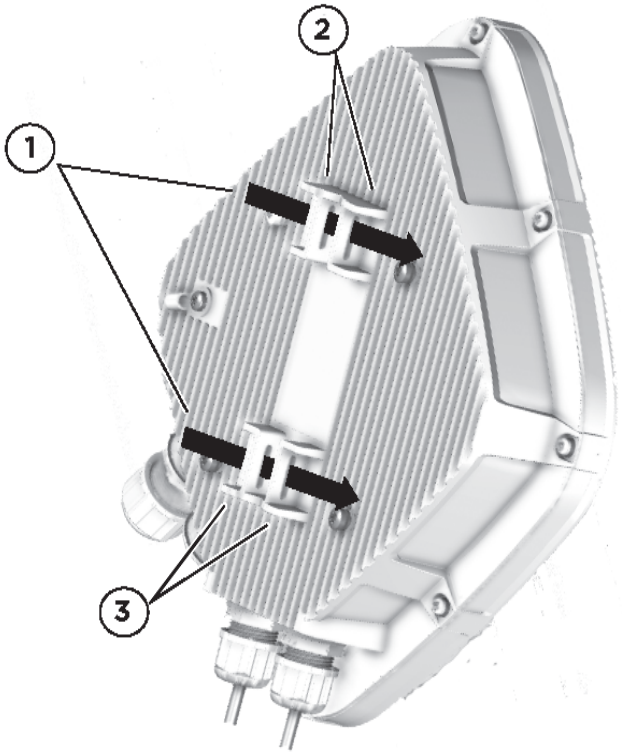


Figure 18: Pole Mount Strap Slots on the Back of the Access Point

The following table identifies the pole mount components.

Callout	Description
1	Pole mount cable clamp strap insert holes in the back of the access point
2	Top slots on the rear of the access point facing the sky
3	Bottom slots on the rear of the access point facing the ground

3. Using a slotted screwdriver, tighten the clamp screws to a minimum torque of 1.58 Newton-meters (14 in-lb.) until the access point is securely mounted onto the pole.

   As an added security measure, you can thread a safety strap through one of the cable clamp slots in addition to the cable clamps. Connect the other end of the strap to a secure object.

Important
The access point LAN glands must face down to prevent water from entering the chassis.

Install the Access Point on a Pole Using KT-147407-02 Bracket Parts (15-Degree Tilt)

Before You Begin

The following hardware is required for pole installation using KT-147407-02 bracket parts:

- All parts of the KT-147407-02 bracket.
- Four M6 screws.
- Two hex-head M12 stainless-steel screws.
- Two hex-head M12 stainless-steel nuts.
- Two 1.27 cm (0.5 in.) wide stainless-steel cable clamps.
- One AP.

About This Task

You can install your access point to a pole if you do not want to drill into a wall. With a pole, the coverage area can be greater because a pole is often higher than a wall.

Note
Use the KT-147407-02 Bracket if you need a 15-degree tilt.

Procedure

1. Attach the KT-147407-02 flat part and 1-axis tilt part to the AP.
2. Attach the KT-147407-02 pole part to the 1-axis tilt bracket using two M12 bolts through the large bracket holes on the one-axis tilt bracket and the pole bracket.
3. Fasten the bolts using two M12 hex nuts.
4. Insert the stainless-steel cable clamp through the long slots on the pole bracket.
5. Position the cable clamps on the pole bracket around a pole and attach the pole bracket.
6. Insert the ends of the cable clamps around the pole and tighten the clamp screws to a torque of 1.24 Newton-meters (11 in-lb).

Install the Access Point on a Pole Using KT-147407-02 Bracket Parts and KT-150173-01 Extension Arm

Before You Begin

The following hardware is required for pole installation using KT-147407-02 bracket parts and KT-150173-01 extension arm:

- All parts of the KT-147407-02 bracket
- KT-150173-01 extension arm
- Six M6 screws
- Four hex-head M12 stainless-steel screws
- Four hex-head M12 stainless-steel nuts
- Two 12.7 mm (0.5 in.) wide stainless-steel cable clamps
- One access point

About This Task

You can install your access point to a pole if you do not want to drill into a wall. With a pole, the coverage area can be greater because a pole is often higher than a wall. Use the KT-147407-02 Bracket if you need a 15-degree tilt.

The combination of KT-147407-02 with KT-150173-01 allows for a 15-degree tilt with a 12 in. extension.

Procedure

1. Attach the flat part and the 1-axis tilt part of the KT-147407-02 bracket to the access point.
2. Align the circular holes on one end of the KT-150173-01 extension arm against the large holes on the one-axis tilt bracket.
3. Attach the KT-150173-01 extension arm to the one-axis tilt bracket by using two hex-head M12 stainless-steel screws and two hex-head M12 stainless-steel nuts.
4. Attach the KT-147407-02 pole part to the other end of the KT-150173-01 extension arm using two M12 screws and M12 hex-nuts.

Install the Access Point on a Pole with the MBO-ART03 and KT-147407-02 Brackets

Before You Begin

The following hardware is required to install your access point to a pole with the MBO-ART03 and KT-147407-02 brackets:

- One AP.
- One KT-147407-02 bracket.
- One MBO-ART03 articulating mounting bracket.
- Two M6 hex-head screws to attach the MBO-ART03 to the access point.
- Two M6 screws with nuts and washers to attach KT-147407-02 to the MBO-ART03.
- Two Long M6 Hex hex screws and nuts for providing an angular lock for each axis.
- Two cable clamps, each 12.7 mm (0.5 in.) wide. Cable clamps must be purchased separately.
- One adjustable wrench, socket wrench, or channel pliers.
- One screwdriver.

About This Task

You can install your access point to a pole if you do not want to drill into a wall. With a pole, the coverage area can be greater because a pole is often higher than a wall.

Procedure

1. Attach the KT-147407-02 to the MBO-ART03 with two M6 screws, nuts, and washers.
2. Attach both cable clamps to the KT-147407-02 bracket.
3. Open the cable clamp by inserting the head of the flat head screwdriver into the retaining screw and turning the screw counterclockwise. Then insert the non-clamp end into the KT-147407-02 through the holes.
4. Attach the two brackets to the pole.

5. Tighten the cable clamp screw around the pole by turning the screws clockwise with a flat head screwdriver.
6. Attach the access point to the MBO-ART03 with two M6 hex-head screws.
7. Adjust the two pivot points until you are satisfied.
8. Insert the locking bolts into the bracket and arm locking hole.
9. Attach the nuts and torque to about 5.1 Newton-meters (45 in-lb).
10. Tighten the pivot screws and nuts to about 6.78 Newton-meters (60 in-lb.).
11. Attach the safety hanger strap according to local codes.
12. Adjust the LAN cable so the access point glands have a drip loop in each cable. The LAN cable must be located on the lower side of the AP.

Install the Access Point on a Unistrut Structure With the MBO-ART03 Bracket

About This Task

The MBO-ART03 bracket has ± 80-degree (in 10-degree increments) two-axis tilt and a 25.4 cm (10 in.) extension. The bracket comes installed with M6 pivot screws.

On the MBO-ART03 flat surface, there are three large holes for interfacing with the Unistrut metal frame. There are two smaller holes for bolts for mounting to the KT brackets or a wall also. Each metal bracket on either end of the ART03 bracket has two bent sections with two pivot holes and serrated lock positions.

The length on the bent sections can be adjusted, if desired. Move the pivot points to increase the MBO-ART03 bracket's extension lengths.

The following diagram shows the MBO-ART03 bracket.

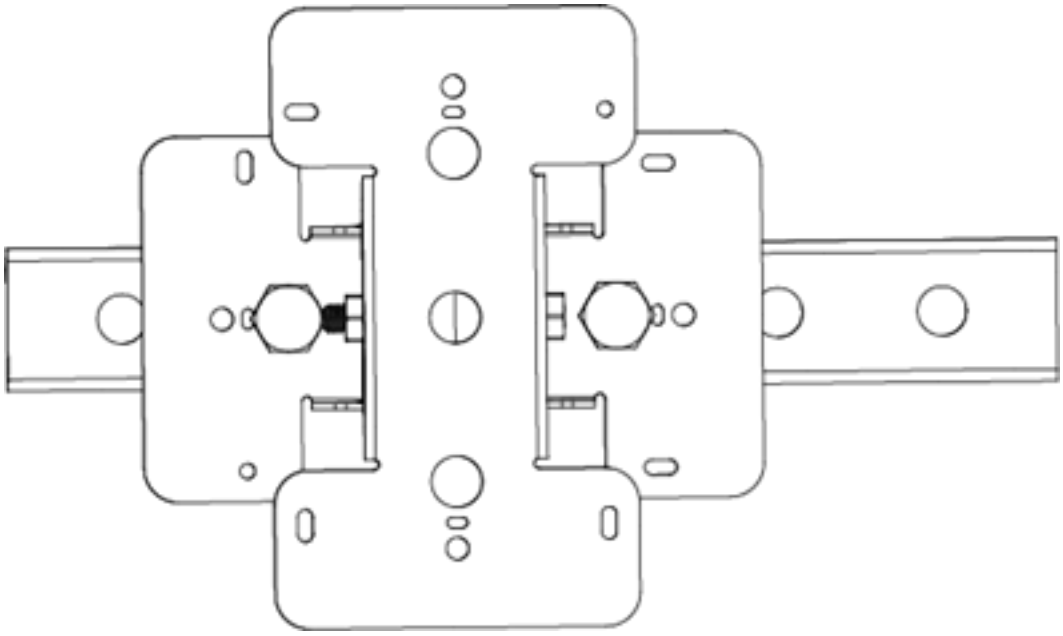


Figure 19: MBO-ART03 Bracket Attached to the Unistrut Structure

Procedure

1. Using the M12 bolts, split washers, and hex nuts, attach the MBO-ART03 bracket to the Unistrut structure.

   The MBO-ART03 bracket's metal plate can be in a vertical or horizontal position.
2. Tighten the bolts and nuts to a torque of 35.3 Newton-meters (312 in-lb.).
3. Using the two short M6 screws, attach the access point with the glands facing the ground.

   There are four holes on the access point and only two holes are used for attaching to the MBO-ART03 bracket.
4. Tighten the M6 screws to about 5.08 Newton-meters (45 in-lb.).
5. Attach the LAN cables to the access point.
6. To adjust the MBO-ART03 bracket's angular position, remove the long M6 degree locking screw and adjust the bracket axis to the desired angle.
7. Insert the degree adjustment locking screw and attach the locking nut until hand tight.

   Repeat the angular position adjustment process on the other axis, if desired.
8. Tighten the long bolts to the following values: M6 degree locking bolts at about 5.65 Newton-meters (50 in-lb); M8 pivot bolts at about 6.78 Newton-meters (60 in-lb.).

Connect the ETH0 Cable

About This Task

The ETH0 cable is connected through the ETH0 gland port. The following diagram shows the gland components.

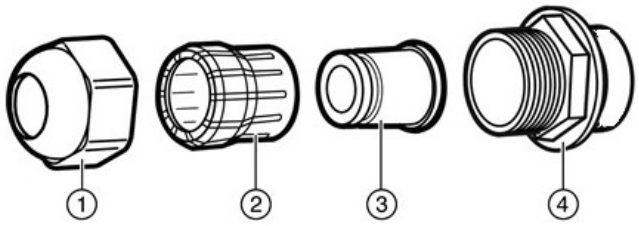


Figure 20: Gland Components

Use the following information to select a gland LAN cable gasket:

- The RJ45 plug must not extend more than 40 mm (1.57 in.) from the end of the LAN cable jacket.
- Use the gray colored Gland LAN gasket included in the as shipped product's gland for all CAT5 and CAT5E LAN cables.

- Also use the gray colored Gland LAN gasket included in the as shipped product's gland for CAT6, without shielding, LAN cables.
- Use the black colored Gland LAN gasket for CAT6, with shielding, and all CAT6A LAN cables and reuse the Gland cage (item 2 in the table below). You can order ten black gaskets as accessory ACC-ODS-CAT6A-LAN-GSKT.

Table 17: AP Glands

Callout	Item
1.	Gland cap.
2.	Gland cage.
3.	Gland LAN cable gasket.
4.	Gland body - Do not remove the gland body. This is a factory sealed component; do not remove from housing.

Procedure

1. Attach the ground wire to the access point.
2. Remove the ETH0 port gland cap, plastic cage, and gasket.
3. Connect the ETH0 cable through the ETH0 gland port until it clicks into place.
4. Slide the plastic cage over the gland and into the gland body, and then secure it with the gland cap.
5. Tighten the gland cap to a torque of at least 1.81 Newton-meters (16-in lb.).

Connect the AP to the Network

Before You Begin
You need an Ethernet cable. Locate the Ethernet ports on the AP before you begin.

About This Task
After you install the AP, connect it to the network.

Procedure

Connect the Ethernet cable to the ETH0/PoE port for PoE.

Ground the Access Point

About This Task
Ground the outdoor access point for outdoor installations. A ground terminal is provided for lightning protection.



Caution
The ground connector on the AP is not a protective earth ground.

The following diagrams shows the ground screw hole and symbol.



Figure 21: Grounding Components

Table 18: Ground the AP

Callout	Description
1	Ground screw hole and symbol.

Procedure

1. Attach the ring terminal to the ground wire.
2. Insert the included ring terminal and star washer on the ground screw.
3. Thread the ground screw into the access point hole below the ground symbol.
4. Tighten the ground screw to 1.36 newton-meter (12 in-lb).

Secure the Access Point after Installation

Before You Begin

You must supply the following hardware for safety cable installation:

- A 3 mm (0.12 in.) diameter security cable
- A lock to secure the ends of the security cable

About This Task

You can secure the access point to the mounting environment using a 3 mm (0.12 in.) diameter safety cable. Use the safety cable to enhance the physical security of the access point after installation.

The following diagram shows the safety hanger hole.

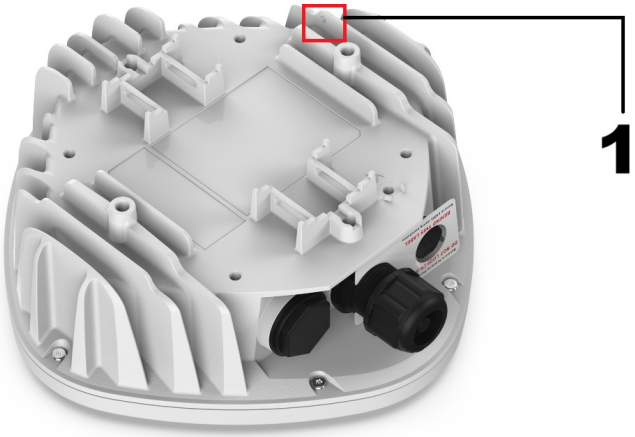


Figure 22: Safety Hanger

Table 19: Safety Hanger

Callout	Description
1	Security hole.

Procedure

1. Insert the safety cable through the security cable hole on the metal base of the access point.
2. Push the cable through the security hole until you see it come out on the other side of the metal base.
3. Insert a lock through the looped ends of the cable and lock it in place.

Drip Loop for Cables

All LAN cables entering or exiting a gland must have a 7.62 cm (3-in.) minimum drip loop. After the cables have been connected to the AP and the connections have been weatherproofed, gather each cable below the AP and form a drip loop.

Note
The drip loop prevents water from entering the AP by channeling water down and away from the connection points. Drip loops are required to ensure the proper operation of the AP.

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 Play or from the Apple App store.

You need 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. Select a configured network policy for the AP.

Troubleshoot the AP

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

Micro USB Console Port

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).

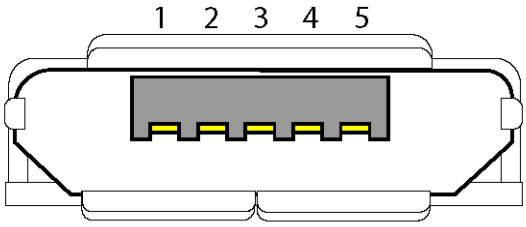


Figure 23: Micro-B Model Console Port Pin Information

Table 20: 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).
4	Signal (GND).
5	Signal (GND).

Perform a Reset

Perform a reboot or factory reset to resolve minor or temporary issues. 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.

Perform a Reboot

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 – To reboot the AP, press and immediately release 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, the AP starts 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.

Perform a Factory Reset

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

Note
Perform a factory reset only when you want to restore the AP to its original factory settings.

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 and Compliance

Safety Guidelines on page 53
Professional Installation Instruction on page 54
FCC Notice (Part 15 - Class B) on page 55
FCC Radiation Exposure Statement on page 55
Country of Manufacture on page 56
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United Kingdom (UK) and European Union (EU) Radiation Warning Statement on page 60
Declaration of Conformity in Languages of the European Community on page 61

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

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.

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 Procedure

Refer to the installation instructions for details.

Warning
Select the installation position and ensure that the final output power does not exceed the limit set forth 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.

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.

FCC Notice (Part 15 - Class B)

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.

Note
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 when the equipment is operated in a commercial environment. This equipment uses, generates, and can radiate radio frequency energy and if not installed in accordance with the operator's manual, 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 antenna of the receiving devices.
- Increase the separation between this equipment and receiving equipment.
- Connect this equipment into an outlet on a circuit different from that to which the receiving equipment is connected.
- Consult the dealer or an experienced radio or TV technician for help.

Warning
Changes or modifications made to this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

For 5925-6425 MHz and 6525-6875 MHz transmitter operation in Standard power access point mode:

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.

Operation in the band 5925-7125 MHz subject to, (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, and (3) operation of transmitters in the 5.925 GHz - 7.125 GHz band is prohibited for control of or communications with unmanned aircraft systems.

FCC Radiation Exposure Statement

Warning
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 31 cm between the radiator and your body.

Caution
Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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

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。

(一）符合“微功率短距离无线电发射设备目录和技术要求”的具体条款和使用场景，采用的天线类型和性能，控制、调整及开关等使用方法;

（二）不得擅自改变使用场景或使用条件、扩大发射频率范围、加大发射功率（包括额外加装射频功率放大器），不得擅自更改发射天线；

（三）不得对其他合法的无线电台（站）产生有害干扰，也不得提出免受有害干扰保护；

（四）应当承受辐射射频能量的工业、科学及医疗（ISM）应用设备的干扰或其他合法的无线电台（站）干扰；

（五）如对其他合法的无线电台（站）产生有害干扰时，应立即停止使用，并采取措施消除干扰后方可继续使用；

（六）在航空器内和依据法律法规、国家有关规定、标准划设的射电天文台、气象雷达站、卫星地球站（含测控、测距、接收、导航站）等军民用无线电台（站）、机场等的电磁环境保护区域内使用微功率设备，应当遵守电磁环境保护及相关行业主管部门的规定；

（七）禁止在以机场跑道中心点为圆心、半径 5000 米的区域内使用各类模型遥控器；

（八）微功率设备使用时温度和电压的环境条件。 使用微功率短距离无线电发射设备应当符合国家无线电管理有关规定

Brazil Agência Nacional De Telecomunicações (Anatel) Statement

1. 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.

   Este produto está homologado pela ANATEL, de acordo com os procedimentos regulamentados pela Resolução n°. 242/2000 e atende aos requisitos técnicos aplicados
2. O uso deste equipamento é restrito a ambientes fechados e proibido em plataformas petrolíferas, carros, trens, embarcações e no interior de aeronaves abaixo de 3.048 m (10.000 pés).

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.

Extreme Networks UK Address

Extreme Networks, Ireland Ops Ltd.

Rineanna House Shannon Industrial Estate

Shannon, V14CA36 Ireland

Extreme Networks EU Importer Address

Extreme Networks, UK Ltd.

250 Longwater Avenue Green Park

1st Floor

Reading, UK

Industry Canada

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.

RLAN devices operating in 5925-7125MHz subject to following -

- Devices shall not be used for control of or communications with unmanned aircraft systems.
- Devices shall not be used on automobiles, trains, maritime vessels, and 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 meters (10,000 feet).

Standard Power devices operating in 5925-7125MHz subject to following-

- The device must be installed only with authorized antennae and models listed by manufacturer in product documentation. Device and antenna that requires mounting brackets must be installed with manufacturer specified brackets listed in product documentation to comply with elevation mask requirements.
- The antenna height shall be determined by the installer or operator of the standard power device or fixed client device or by automatic means.

Radiation Exposure Statement

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 39 cm between the radiator & your body.

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 39 cm de distance entre la source de rayonnement et votre corps.

Thailand Regulatory Statement



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。

高增益指向性天線只得應用於固定式點對點系統

This product shall be powered by a power supply that complies with the applicable standard requirements (domestic certification). At least one recommended brand and model of the power supply shall be specified.

此產品建議使用符合標準規定(國內驗證)之該電源供應器（Phihong ,POE60U-BTA,）供電，且該電源供應器的電氣規格資料(輸出規格: 56V / 1.07A)

請至此連結閱讀中文說明: https://www.extremenetworks.com/support/documentation.

Taiwan RoHS Statement

單元Unit	限用物質及其化學符號 Restricted substances and its chemical symbols					
	鉛Lead (Pb)	汞Mercury (Hg)	鎘Cadmium (Cd)	六價鉻 Hexavalent chromium (Cr^{+6})	多溴聯苯 Polybrominated biphenyls (PBB)	多溴二苯醚 Polybrominated diphenyl ethers (PBDE)
金屬零件 (Metal Parts)	○	○	○	○	○	○
電路模組 (Circuit Modules)	—	○	○	○	○	○
電纜及電纜組件 (Cables & Cable Assemblies)	○	○	○	○	○	○
塑料和聚合物零件 (Plastic and Polymeric parts)	○	○	○	○	○	○

備考1. "超出0.1 wt %" 及 "超出0.01 wt %" 係指限用物質之百分比含量超出百分比含量基準值。
Note 1 : "Exceeding 0.1 wt %" and "exceeding 0.01 wt %" indicate that the percentage content of the restricted substance exceeds the reference percentage value of presence condition.

備考2. "○" 係指該項限用物質之百分比含量未超出百分比含量基準值。
Note 2 : "○" indicates that the percentage content of the restricted substance does not exceed the percentage of reference value of presence.

備考3. "—" 係指該項限用物質為排除項目。
Note 3 : The "–" indicates that the restricted substance corresponds to the exemption.

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

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

EU	UK
2402-2480MHz (BT): 9.87 dBm	2402-2480MHz (BT): 9.87 dBm
2405-2480MHz (802.15.4): 9.92 dBm	2405-2480MHz (802.15.4): 9.92 dBm
2412-2472MHz: 19.98 dBm	2412-2472MHz: 19.98 dBm
5180-5240MHz: 22.97 dBm	5180-5240MHz: 22.97 dBm
5260-5320MHz: 22.98 dBm	5260-5320MHz: 22.98 dBm
5500-5700MHz: 29.98 dBm	5500-5700MHz: 29.98 dBm
5745-5825MHz: 13.97 dBm	5745-5825MHz: 22.98 dBm

CE - The device is restricted to indoor use only when operating in the 5945 to 6425 MHz frequency range.

UK - The device is restricted to indoor use only when operating in the 5945 to 6425 MHz frequency range.

Hereby, Extreme Networks declares that the radio equipment AP3060 is in compliance with Radio Equipment Regulations 2017.

Operation on oil platforms, cars, trains, boats, and aircraft shall be prohibited except for on large aircraft flying above 10,000 ft.

For full text of the UK Declaration of Conformity, please contact Extreme Regulatory Compliance at compliancerequest@extremenetworks.com.

Warning
CE Co-location MPE Statement: This equipment complies with CE radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

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

Table 21: Selling Countries:

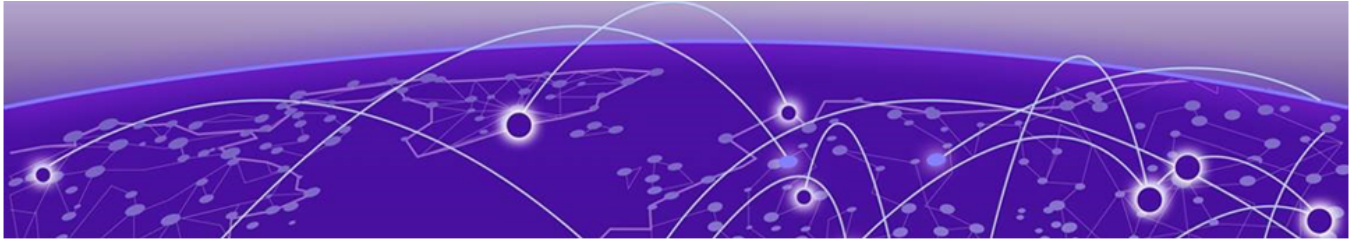
	AT	BE	BG	HR	CY	CZ	DK
	EE	FI	FR	DE	EL	HU	IE
	IT	LV	LT	LU	MT	NL	PL
	PT	RO	SK	SI	ES	SE	UK (NI)

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.

Declaration of Conformity in Languages of the European Community

English	Hereby, Extreme Networks declares that the radio equipment type (AP3060-WW) is in compliance with Directive 2014/53/EU and Radio Equipment Regulations 2017. For full text of the EU Declaration of Conformity, contact Extreme Regulatory Compliance at compliancerequest@extremenetworks.com
Finnish	Täten Extreme Networks ilmoittaa, että radiolaitetyyppi (AP3060-WW) on direktiivin 2014/53/EU ja radiolaitteiden säädösten 2017 mukainen. EU-vaatimustenmukaisuusvaatimuksen täydellisestä tekstistä ota yhteyttä äärimmäisiin säädösten noudattamiseen osoitteessa compliancerequest@extremenetworks.com
Dutch	Hierbij verklaart Extreme Networks dat het type radioapparatuur (AP3060-WW) voldoet aan Richtlijn 2014/53/EU en de Radioapparatuurverordening 2017. 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 le type d'équipement radio (AP3060-WW) est conforme à la directive 2014/53/UE et au Règlement sur les équipements radio de 2017. 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 deklarerar Extreme Networks att radioutrustningstypen (AP3060-WW) uppfyller direktiv 2014/53/EU och Radio Equipment Regulations 2017. För fullständig text av EU-försäkran om överensstämmelse, kontakta Extreme regelefterlevnad på compliancerequest@extremenetworks.com
Danish	Hermed erklærer Extreme Networks, at radioudstyrstypen (AP3060-WW) er i overensstemmelse med direktiv 2014/53/EU og Radio Equipment Regulations 2017. For den fulde ordlyd af EU-overensstemmelseserklæringen bedes du kontakte Extreme Regulatory Compliance på compliancerequest@extremenetworks.com
German	Hiermit erklärt Extreme Networks, dass der Funkgerätetyp (AP3060-WW) den Richtlinien 2014/53/EU und den Funkgeräteregelungen 2017 entspricht. Für den vollständigen Wortlaut der EU-Konformitätserklärung wenden Sie sich bitte an extreme Regulatory Compliance unter compliancerequest@extremenetworks.com
Greek	Με την παρούσα, η Extreme Networks δηλώνει ότι ο τύπος ραδιοεξοπλισμού (AP3060-WW) συμμορφώνεται με την Οδηγία 2014/53/ΕΕ και τους Κανονισμούς Ραδιοεξοπλισμού 2017. Για το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ, παρακαλούμε επικοινωνήστε με την ακραία κανονιστική συμμόρφωση στο compliancerequest@extremenetworks.com
Icelandic	Hér með lýsir Extreme Networks því yfir að útvarpsbúnaðurinn af gerðinni (AP3060-WW) uppfylli tilskipun 2014/53/EU og reglugerðir um útvarpsbúnað 2017. 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 il tipo di apparecchiatura radio (AP3060-WW) è conforme alla Direttiva 2014/53/UE e al Regolamento sulle apparecchiature radio 2017. Per il testo integrale della Dichiarazione di conformità dell'UE, contattare Extreme Regulatory Compliance presso compliancerequest@extremenetworks.com

Spanish	Por la presente, Extreme Networks declara que el tipo de equipo de radio (AP3060-WW) cumple con la Directiva 2014/53/UE y con el Reglamento de Equipos de Radio de 2017. 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	Por meio deste, a Extreme Networks declara que o tipo de equipamento de rádio (AP3060-WW) está em conformidade com a Diretiva 2014/53/EU e o Regulamento de Equipamentos de Rádio de 2017. Para o texto integral da declaração de conformidade da UE, contacte a conformidade regulamentar extrema em compliancerequest@extremenetworks.com
Malti	B'dan il-mod, Extreme Networks, tiddikjara li t-tip ta' tagħmir radju (AP3060) huwa konformi mad-Direttiva 2014/53/UE u r-Regolamenti tat-Tagħmir Radju tas-2017. Għat-test sħiħ tad-dikjarazzjoni ta ' konformità tal-UE, jekk jogħġbok ikkuntattja lill-konformità regolatorja compliancerequest@extremenetworks.com



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