ExtremeWireless™ AP3912i Installation Guide

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Preface

This section discusses the conventions used in this guide, ways to provide feedback, additional help, and other Extreme Networks publications.

Text Conventions

The following tables list text conventions that are used throughout this guide.

Table 1: Notice Icons

Icon	Notice Type	Alerts you to...
	General Notice	Helpful tips and notices for using the product.
	Note	Important features or instructions.
	Caution	Risk of personal injury, system damage, or loss of data.
	Warning	Risk of severe personal injury.
New!	New Content	Displayed next to new content. This is searchable text within the PDF.

Table 2: Text Conventions

Convention	Description
`Screen displays`	This typeface indicates command syntax, or represents information as it appears 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 with brackets, such as **[Return]** 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.

Terminology

When features, functionality, or operation is specific to a switch family, such as ExtremeSwitching, the family name is used. Explanations about features and operations that are the same across all product families simply refer to the product as the *switch*.

Providing Feedback to Us

We are always striving to improve our documentation and help you work better, so we want to hear from you! We welcome all feedback but especially want to know about:

- Content errors or confusing or conflicting information.
- Ideas for improvements to our documentation so you can find the information you need faster.
- Broken links or usability issues.

If you would like to provide feedback to the Extreme Networks Information Development team about this document, please contact us using our short https://www.extremenetworks.com/documentation-feedback/. You can also email us directly at documentation@extremenetworks.com.

Getting Help

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

- GTAC (Global Technical Assistance Center) for Immediate Support
  - **Phone:** 1-800-998-2408 (toll-free in U.S. and Canada) or +1 408-579-2826. For the support phone number in your country, visit: www.extremenetworks.com/support/contact
  - **Email:** support@extremenetworks.com. To expedite your message, enter the product name or model number in the subject line.
- Extreme Portal — Search the GTAC knowledge base, manage support cases and service contracts, download software, and obtain product licensing, training, and certifications.
- The Hub — 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.

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

- Your Extreme Networks service contract number and/or serial numbers for all involved Extreme Networks products
- A description of the failure
- A description of any action(s) 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

Related Publications

ExtremeWireless and documentation can be found on the Extreme Networks Documentation page at: www.extremenetworks.com/documentation/

The *ExtremeWireless User Guide* is recommended.

Overview

The AP3912i (WS-AP3912-FCC/ROW) is a wall-plate 11ac Wave 2 access point (AP) that lets you extend your wireless LAN and deploy local Wi-Fi while still providing extension for wired clients from the same Ethernet jack. This fully-featured AP plugs into existing Ethernet cabled wall plates. The AP provides application visibility, control, and policy support over three radios and three wired LAN ports. Wireless and wired traffic can be assigned application-level policy at the access point. The AP3912i provides flow-based data handling for wireless and wired connections in a single plug-and-play package. There is minimal or no impact to the existing infrastructure.

Three client ports are electrically connected to the AP board (internal switch). The PSE port can provide (802.3af), which allows you to directly power devices such as iPhones and IP cameras. A pass-through port uses PoE that is provided by the switch directly, not from the AP. The pass-through port can be used to directly expose an additional switch port from the same jack. No additional power supply is needed.

Additional features:

- Supports the 802.11ac and 802.11n wireless standards, with full backward compatibility with legacy 802.11abg.
- Has two concurrent Wi-Fi radios, one 5GHz 2x2 11ac radio and one 2.4GHz 2x2 11n. One radio can operate as a Bluetooth or 802.15.4 radio.
- Interoperates fully with Wireless LAN, including support for VoWLAN, branch office mode, guest services, RTLS, availability, and mobility.
- Is enabled for ExtremeCloud™ support.

LED Indicators

The AP3912i has six LED indicators. The LEDs provide status information on the current state of the AP3912i. For more information about LEDs, see the *ExtremeWireless User Guide*.
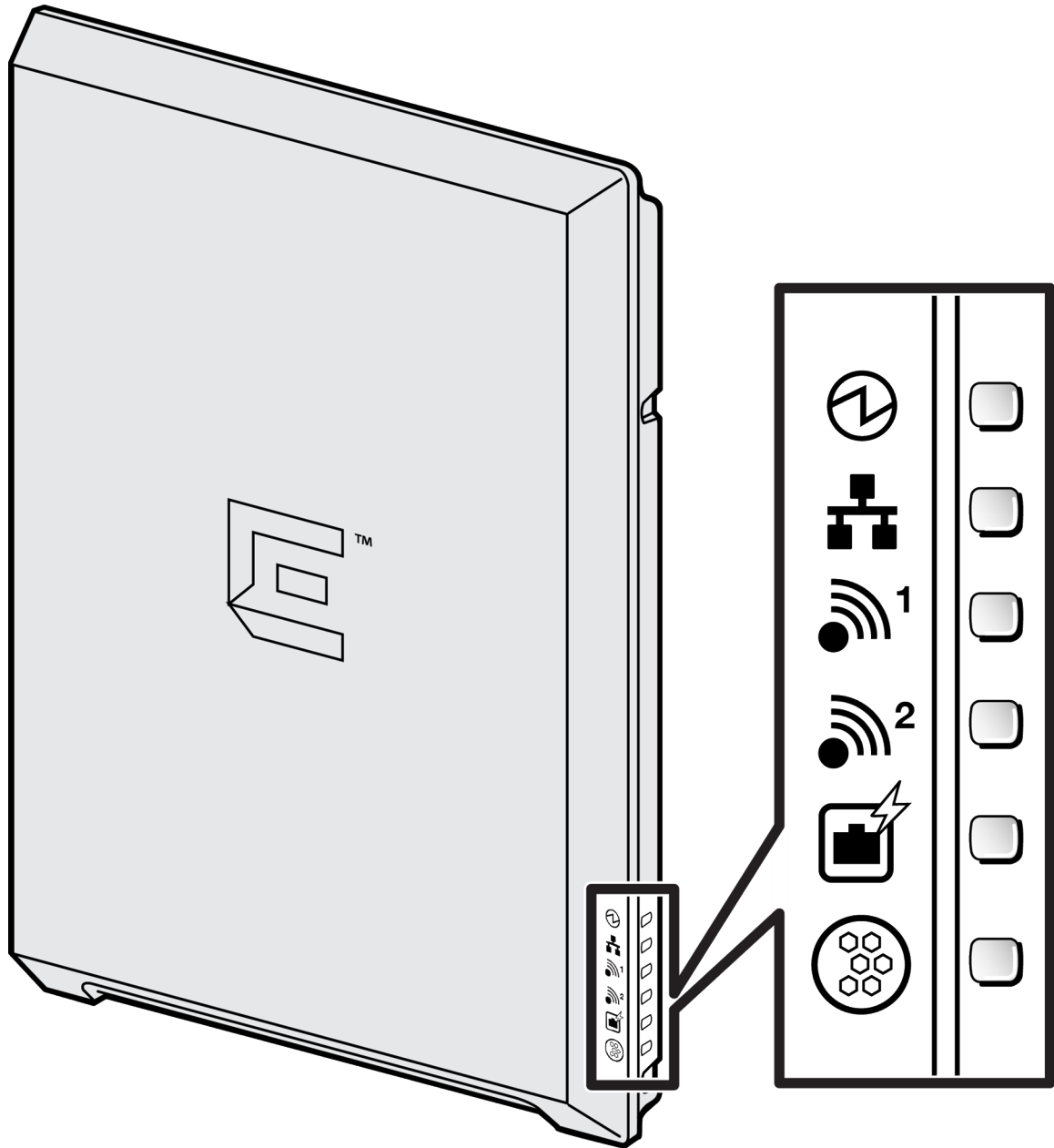
Figure 1: AP3912 LEDs

Table 3: AP3912i LED Status Indicators

LED	Indicator	Status	Description
1 (Status)		Green	Indicates AP is working normally
		Amber	System failure

Table 3: AP3912i LED Status Indicators (continued)

LED	Indicator	Status	Description
2 (Ethernet link state) LAN 1		Amber	Indicates a valid 1Gbps Ethernet link
		Green	Indicates a valid 10Mbps or 100Mbps Ethernet link
3 (Radio 1)		Green	Indicates Radio 1 is enabled
4 (Radio 2)		Green	Indicates Radio 2 is enabled
5 (PSE Client Port)		Green	Uplink AP port detects AF source
6 (BLE)		Green	Indicates IoT (BLE or 802.15.4) is enabled

Uplink and Power Connections

About This Task

The AP3912i uses as follows:

Table 4: Power Sources

Power Source	Description
LAN 1 uplink PoE	LAN 1 may be connected using an 802.3at or 802.3af switch port
PoE 802.3at	Power is enabled on the PSE Client port and the PSE LED is green.
PoE 802.3af	Power is disabled on the PSE Client port and the LED is off (not green).

The AP has three client ports (P1, P2, and P/3/PSE). These client ports let users connect to wired clients, such as laptops and printers, to the network. The PSE power of P3 is enabled only if LAN 1 is powered using 802.3at.

When the PSE is enabled., 802.3af PoE devices, such as IP cameras, can be powered from P3.

The pass-through port (blue connector) allows direct connection to a second switch port. On the pass-through port, power and connection attributes (such as speed and

duplex) of devices are dictated by the characteristics of the corresponding switch model and by the port that the backend pass-through port is connected to.

> **Note**
> LAN connectors with shrouds will not fit into the ports. Remove the shroud or use an optional jumper cable.
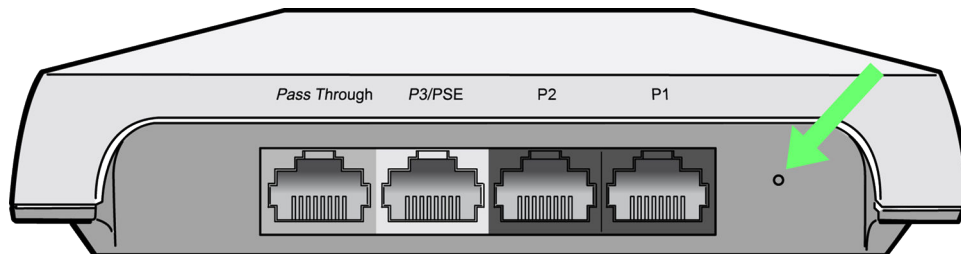
Figure 2: Ports and Reset Button Location

The Reset button is located to the right of the power connections. (See the arrow in the previous figure.) Insert a straightened paperclip into the hole and depress the switch.

Installation Process

About This Task

⚠️ **Caution**
The unit and all interconnected equipment must be installed indoors within the same building, including all -powered network connections, as described by Environment A of the IEEE 802.3af standard.

Follow these procedures to install the AP3912i:

1. Verify the box contents.
2. Review the Safety Guidelines on page 12.
3. Mount the bracket to a wall, or junction/gang box.
4. Connect the AP to the network.
5. Mount the AP to the bracket.

Verifying the Box Contents

Before you install the AP3912i, make sure that you have all of the necessary parts.

1. Verify that the box contains the following items:

Table 5: AP3912i Box Contents

Quantity	Item
1	AP3912i Quick Reference
1	ExtremeCloud Quick Start Card
1	WS-AP3912i AP
1	Wall plate bracket (includes Security Torx captive screw)

Table 5: AP3912i Box Contents (continued)

Quantity	Item
2	Screw-in wall anchors
2	Pan-head machine screws
2	Flat-head wood screws
1	Security Torx key (T10 size)

> **Note**
> You will also need to provide your own cable.

2. Perform a visual inspection of the AP for any signs of physical damage. Contact Extreme Networks if there are any signs of damage.

> **Note**
> Before mounting the AP3912i, read Safety Guidelines on page 12.

Safety Guidelines

This section contains notices that you must adhere to ensure your personal safety and to prevent any damage to the equipment.

> **Caution**
> The unit and all interconnected equipment must be installed indoors within the same building, including all -powered network connections as described by Environment A of the IEEE 802.3af standard.

Mounting the Bracket to a Wall

About This Task

You can mount the AP using the mounting bracket that comes with the unit or the WS-MBI-WALL05 (#30521) bracket. If you are using the mounting bracket that comes attached to the AP, you have to create a hole in the wall and run a LAN cable through a wall.

> **Note**
> You can also mount this AP to a wall and run a LAN cable between the AP and bracket without creating a hole in the wall.

The WALL05 bracket is designed for wall, junction/gang box, and table configurations. The WS-MBI-WALL05 bracket can be used:

• Without a hole in the wall.

• On a table.

• To physically secure the LAN cable when AP3912i is installed.
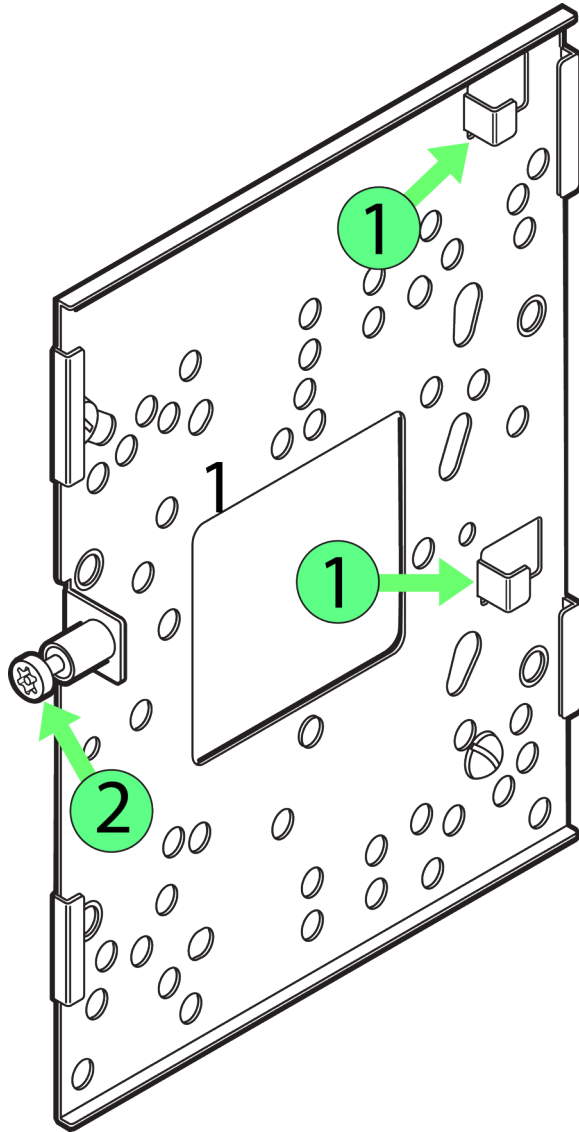
Figure 3: AP3912i Mounting Bracket that comes attached to the unit
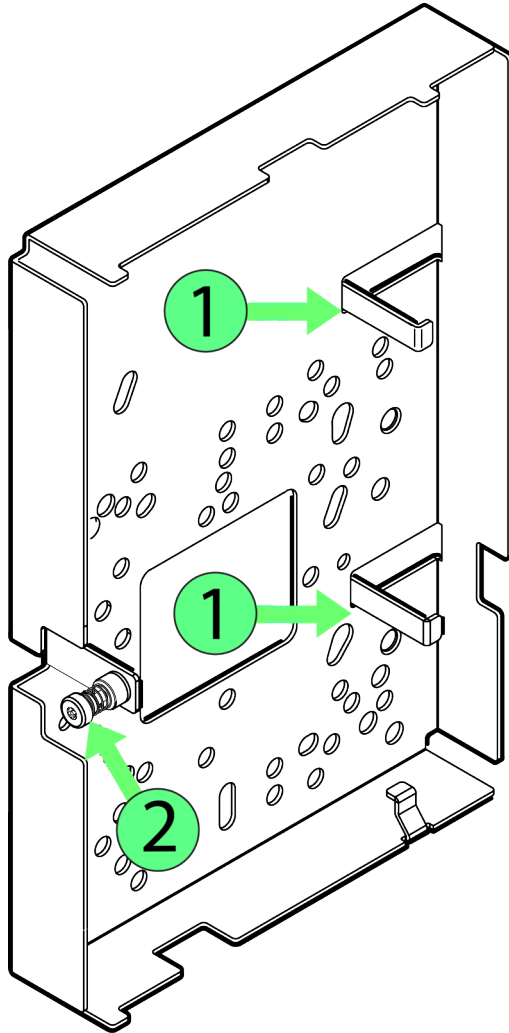
Figure 4: AP3912i WALL05 Mounting Bracket

Table 6: AP3912i Mounting Bracket and WALL05 Bracket

Number	Description
1	AP mounting tabs
2	Security Torx captive screw

To mount the mounting bracket or the WALL05 bracket to a wall:

Procedure

1. Using either of the brackets as a guide, choose a location where it is feasible to place the AP's center.

   If the RJ45 connectors on the rear of the AP will be used for connecting the LAN1 cable without using the RJ45 loop cable or the RJ45 cable with a receptacle, the location must allow LAN cables to come out of the wall within the large, rectangular hole.

2. When using the WALL05 bracket, you have the option to use a RJ45 loop cable or a RJ45 cable with a receptacle. Both the RJ45 loop cable and the RJ45 receptacle cable allows you to mount the WALL05 bracket on a wall without using the rear rectangular hole.
3. Place the bracket against the wall. (The captive screw will be used to lock the AP in place.) Decide which two holes to use to mount the bracket to the wall. We recommend that the two holes be on opposite sides of the large, center opening.
4. Mark the two hole centers.
5. For drywall/plasterboard walls, drill two holes using a 1/4" or 6mm diameter drill bit.
6. For drywall/plasterboard walls, screw the plastic anchors into the holes.
7. Attach the wall plate bracket using the two wood screws. Torque the screw to 7.0 in-lbs.
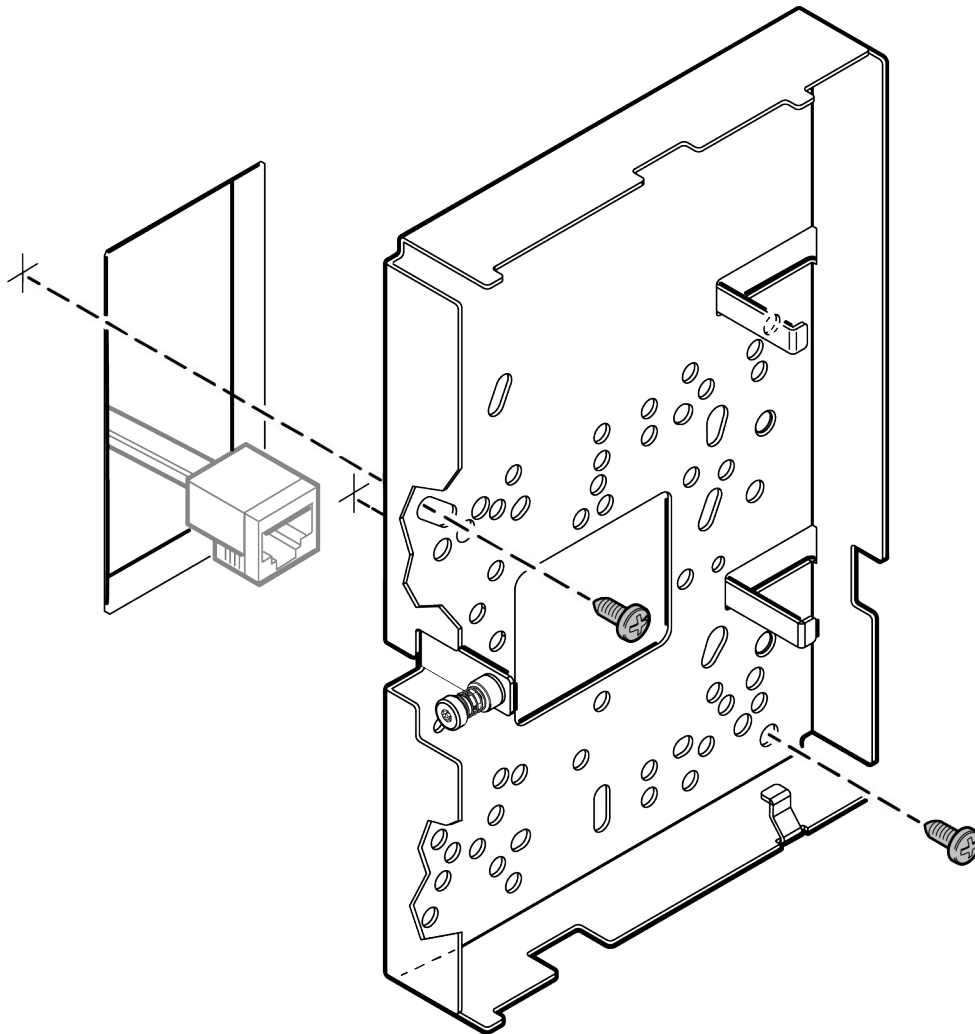
Figure 5: Attaching the WALL05 bracket on a wall with a hole

8. Connect the LAN/power to the AP.
9. Attach the AP to the mounting bracket.

Mounting the Bracket to a Junction or Gang Box

About This Task

To mount the bracket to a junction or gang box, you can use the mounting bracket or the WALL05 bracket.

Procedure

1. Place the mounting bracket over the junction box with the captive screw on the left side and the large, flat plate against the wall. The bracket should be attached to a vertical surface.
2. Align two of the bracket holes with two of the box's holes. Use bracket holes that are closest to the center of the bracket. Make sure that the entire box is covered by the bracket.
3. Using the two pan head machine screws, attach the bracket to the box using the aligned holes. Torque the screws to 9.0 in-lbs.
4. Connect the LAN/power through the bracket to the AP.
5. Attach the AP to the mounting bracket.

Mounting the WS-MBI-WALL05 Bracket on a Table

About This Task
The WS-MBI-WALL05 (#30521) bracket can be mounted on a table using four adhesive rubber feet. The rubber feet provides friction and helps keep the bracket in place from moving.

To mount the WALL05 bracket on a table:

Procedure

1. Remove the adhesive stickers from the rubber feet and stick them on all four corners of the WALL05 bracket.
2. Place the bracket on a table close to the Device and Network cables.
3. Connect the LAN/power to the AP.
4. Attach the AP to the mounting bracket.

Connecting the LAN/Power to the AP

About This Task

Connect the building wire LAN 1 wire (either PoE+ at or PoE af) to the black RJ45 connector using short patch cables. Alternatively, connect using the associated punch-down block. The connector and the punch-down block are located on the rear of the AP.

Additionally, you can connect the pass-through cable to the blue connector (top) on the back of the AP or its associated punch-down block.

When using the WALL05 bracket, you have the option to use the RJ45 loop cable or the RJ45 cable with a receptacle.

Connecting the LAN/Power to the AP using the RJ45 loop cable

1. Connect the RJ45 loop cable to the back of the AP to the Pass Through and LAN1 ports.
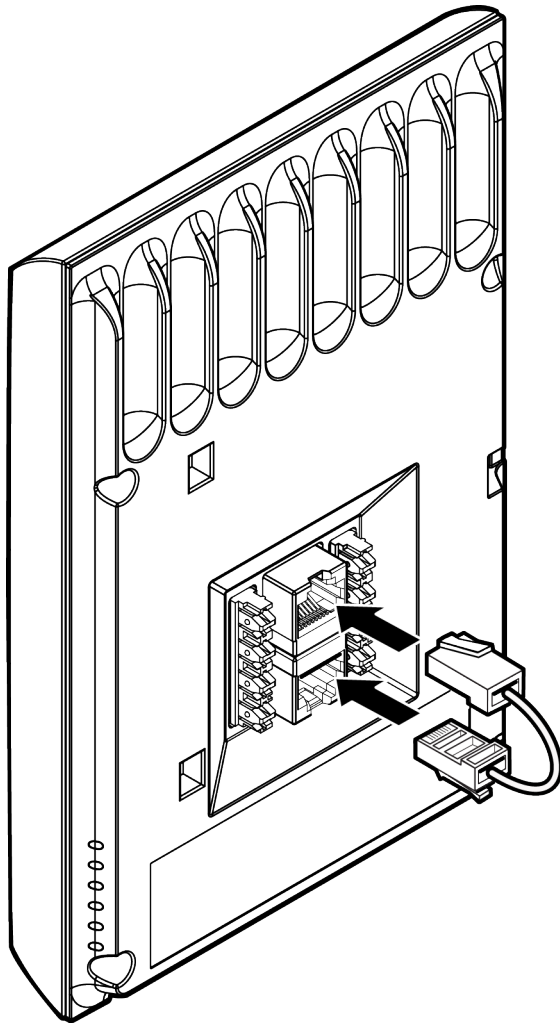
Figure 6: Inserting the RJ45 loop cable

2. Mount the AP onto the bracket.
3. Connect the LAN1 cable through the pass-through port at the bottom of the unit.
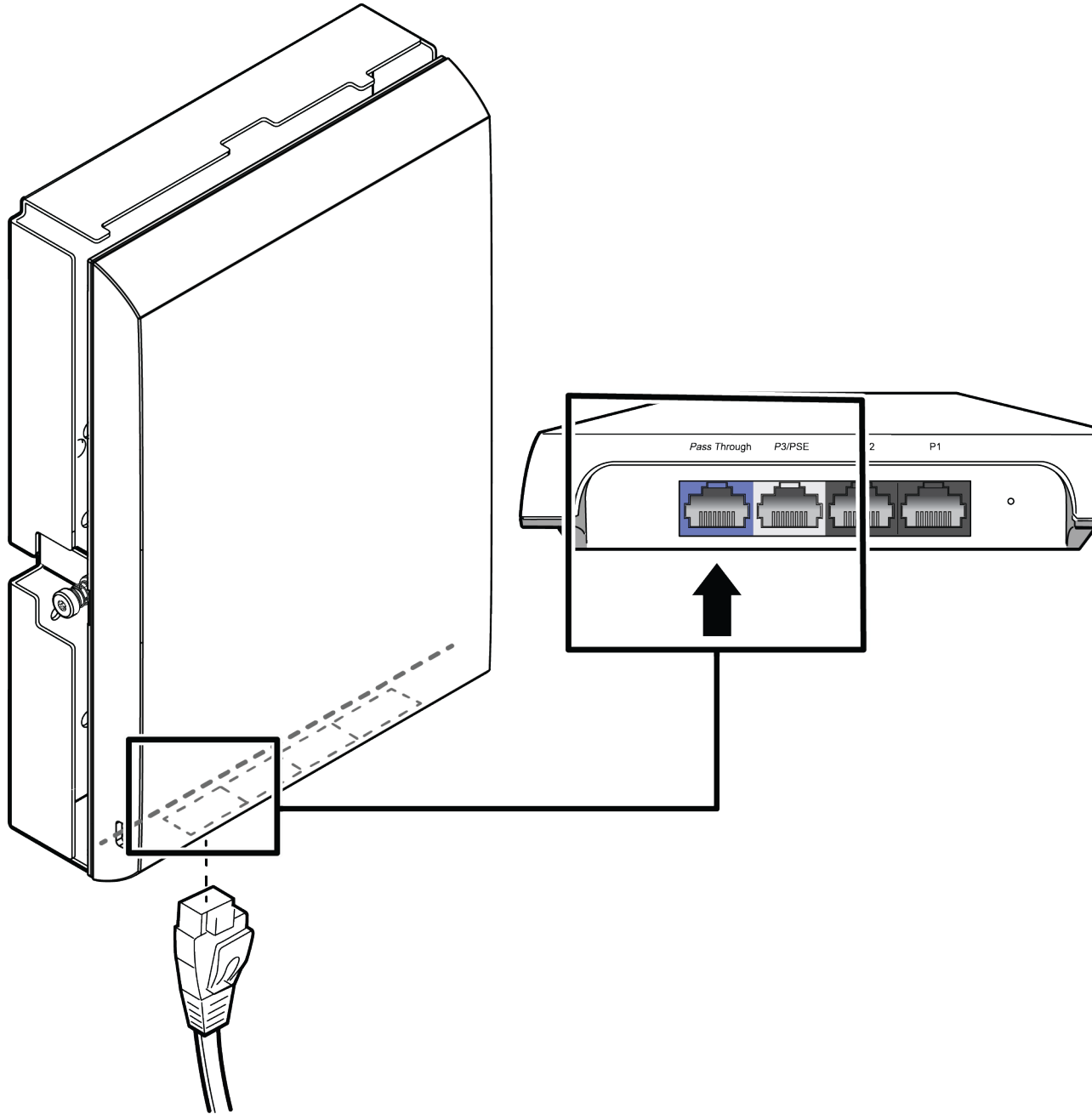
Figure 7: Connecting the Ethernet cable

Connecting the LAN/Power to the AP using the RJ45 cable with receptacle

Procedure

1. Connect the plug end of the RJ45 cable to the LAN1 port in the back of the AP.

2. Connect the LAN1 cable to the receptacle.

> **Note**
> This step must be carried out before mounting the AP onto the bracket.
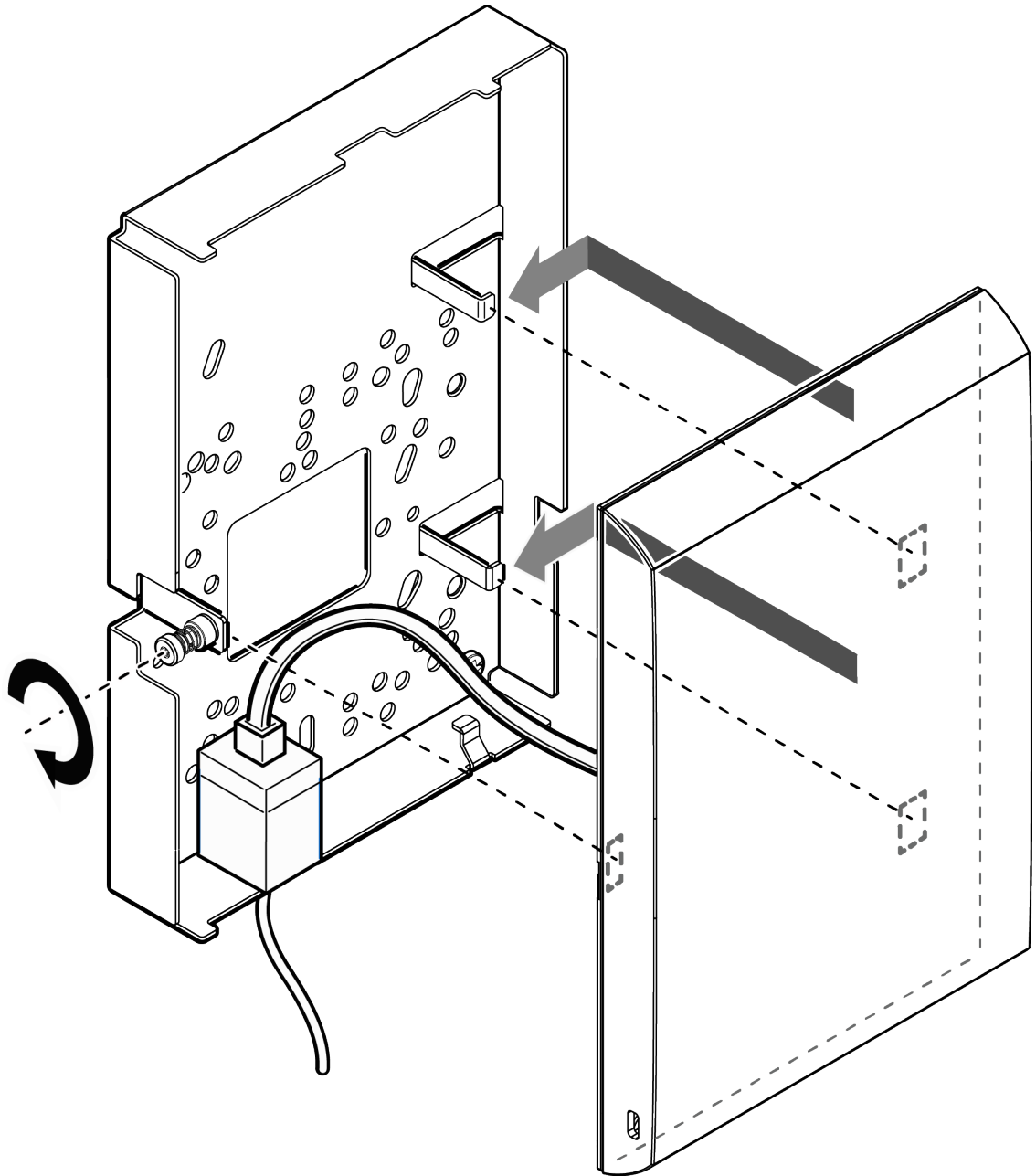
Figure 8: Connecting the LAN cable to the receptacle

3. Arrange the RJ-45 receptacle cable to stay within the WALL-05 bracket enclosure before mounting the AP.

4. Mount the AP onto the bracket.

   If you are using the punch-down block, use a punch-down tool with a 110 blade.

   ➡️ **Important**
   Make sure that the wires are punched down professionally. Otherwise the LAN 1 link speed could drop to 100 Mbps, instead of 1000 Mbps.

   There are two standards for patch-panel cable pin-out. Please select the standard used by your facility.

PIN	T568B COLOR	T568A COLOR
1	white/orange	white/green
2	orange	green
3	white/green	white/orange
4	blue	blue
5	white/blue	white/blue
6	green	orange
7	white/brown	white/brown
8	brown	brown

Figure 9: Patch-panel Cable Pin-out Colors

Mounting the AP to the Bracket

About This Task

After you attach the bracket to a wall or junction/gang box and connect the LAN/power, attach the AP to the bracket.

Procedure

1. Line up the AP holes (marked with arrows in the following diagram) on the rear with the two "L" shaped angled tabs near the right side of the bracket (see Figure 10).
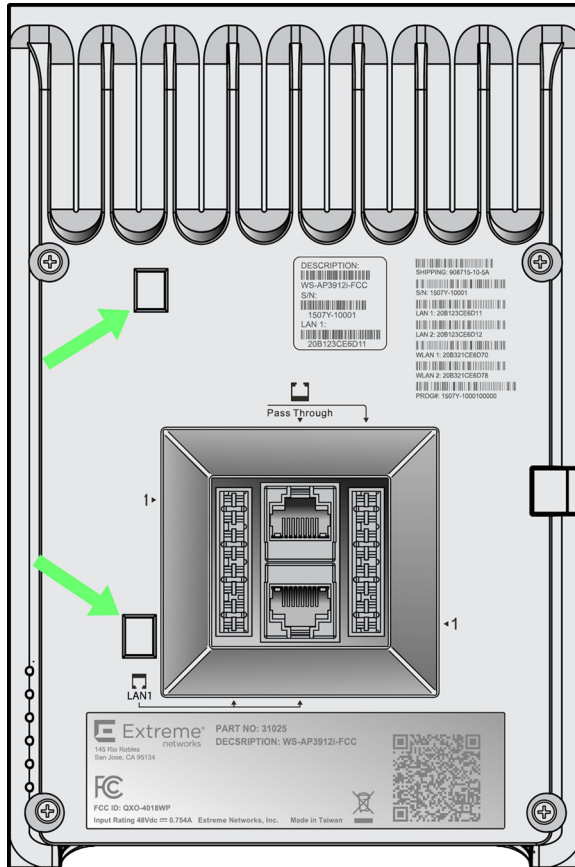
Figure 10: AP3912i Rear View

2. Insert the AP onto the tabs and rotate it down so it is flat on the bracket.
3. Slide the AP approximately 1/4" to the left on the two bracket tabs.
4. Attach and tighten the Security Torx screw to the AP so that the AP is attached to the bracket. Torque the screw to 7 in-lbs.

Specifications

This appendix lists the specifications for the ExtremeCloud™™ Indoor Access Point AP3912i.

Table 7: Specifications for the AP3912i

Item	Specification
AP Part Number: 31025	WS-AP3912i-FCC
AP Part Number: 31026	WS-AP3912i-ROW
Enclosure material	AP enclosure is not plenum rated.
Power source	Power is provided by Power-over-Ethernet (802.3at or 802.3af). No AC power supply is needed. If wall plate has more than two Ethernet ports, the extra ports are not accessible after installing the Wall Plate AP.
Power consumption	802.3at or PoE 802.3af Sensor radio power budget is 802.1af (12.5W)
Antenna	Four single band internal antennas
Uplink interface	One 10/100/1000BT Ethernet port
RoHS compliant	Yes
Radio configuration	Dual Band Dual Concurrent 802.11ac and 802.11n Radio 1: 5 GHz; 2x2:2; IEEE 802.11 ac (up to 886 Mbps per radio) Radio 2: 2.4 GHz; 2x2:2; IEEE 802.11n (up to 300 Mbps per radio) Legacy 802.11abg mode support Integrated sensor radio that operates as Bluetooth 4.0 radio or operates as 802.15.4 (one at a time)
Water/dust proof ratings	Not applicable
Operating temperature	0°C to 40°C
Non-operating transportation/storage	-40°C to 70°C (-40°F to 158°F)

Table 7: Specifications for the AP3912i (continued)

Item	Specification
Altitude (feet)	>6,500 feet; safety approved to 2,000 meters
Relative humidity (% RH)	0% to 95% (non-condensing)
Wind	Not applicable. The AP3912i is an indoor-only model.

Regulatory Information

United States

FCC Declaration of Conformity Statement

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, 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 that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution:

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

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference
- 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.

USA Conformance Standards

This equipment meets the following conformance standards:

Safety

- UL 60950-1
- CSA 22.2 No.60950-1-03

EMC

- FCC CFR 47 Part 15, Class B
- FCC Subpart C 15.247
- FCC Subpart E 15.407
- RSS-247
- ICES-003
- EN 301 893
- EN 300 328
- EN 301 489 1 & 17
- EN 60601-1-2
- EN 50385
- EN 55022 (CISPR 22)
- AS/NZS3548 (CISPR22)
- Extreme Networks #QMS-00102

Other

- IEEE 802.11ac (5 GHz)
- IEEE 802.11n (2.4 GHz)
- IEEE 802.3at ()
- IEEE 802.3af (PoE)

> ⚠️ **Warning**
> The ExtremeWireless™ AP3916ic must be installed and used in strict accordance with the manufacturer's instructions as described in this guide and related documentation for the device to which the AP3916ic is connected. Any other installation or use of the product violates FCC Part 15 regulations. This Part 15 radio device operates on a non-interference basis with other devices operating at the same frequency when using the antennas provided or other Extreme Networks-certified antennas. Any changes or modifications to the product not expressly approved by Extreme Networks could void the user's authority to operate this device. For the product available in the USA market, only channels 1 to 11 can be operated. Selection of other channels in the 2.4 GHz band is not possible.

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiated 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.

End users must follow the specific operating instructions for satisfying RF exposure compliance. This device has been tested and has demonstrated compliance when simultaneously operated in the 2.4 GHz and 5 GHz frequency ranges. This device must not be co-located or operated in conjunction with any other antenna or transmitter. The radiated output power of the AP3912i is below the FCC radio frequency exposure limits as specified in "Guidelines for Human Exposure to Radio Frequency Electromagnetic Fields" (OET Bulletin 65, Supplement C).

Professional Installation Notice

To comply with FCC part 15 rules in the United States, the system must be professionally installed to ensure compliance with the Part 15 certification. It is the responsibility of the operator and professional installer to ensure that only certified systems are deployed in the United States. The use of the system in any other combination (such as co-located antennas transmitting the same information) is expressly forbidden.

Canada

Industry Canada Compliance Statement

This device complies with RSS-247 of the Industry Canada 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.

Ce dispositif est conforme à la norme CNR-247 d'Industrie Canada applicable aux appareils radio exempts de licence. Son fonctionnement est sujet aux deux conditions suivantes: (1) le dispositif ne doit pas produire de brouillage préjudiciable, et (2) ce dispositif doit accepter tout brouillage reçu, y compris un brouillage susceptible de provoquer un fonctionnement indésirable.

⚠️ **Caution**

1. The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
2. High-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

> ⚠️ **Caution**
> **Avertissement:**
>
> 1. Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
> 2. De plus, les utilisateurs devraient aussi être avisés que les utilisateurs de radars de haute puissance sont désignés utilisateurs principaux (c.-à-d., qu'ils ont la priorité) pour les bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient causer du brouillage et/ou des dommages aux dispositifs LAN-EL.

FOR MOBILE DEVICE USAGE

Radiation Exposure Statement: This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

Déclaration d'exposition aux radiations: 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 20 cm de distance entre la source de rayonnement et votre corps.

Canada Conformance Standards

This equipment meets the following conformance standards:

Safety

- UL 60950-1
- CSA 22.2 No.60950-1-03

EMC

- FCC CFR 47 Part 15, Class B
- FCC Subpart C 15.247
- FCC Subpart E 15.407
- RSS-247
- ICES-003
- EN 301 893
- EN 300 328
- EN 301 489 1 & 17
- EN 60601-1-2
- EN 50385
- EN 55022 (CISPR 22)

- AS/NZS3548 (CISPR22)
- Extreme Networks #QMS-00102

Other

- IEEE 802.11ac (5 GHz)
- IEEE 802.11n (2.4 GHz)
- IEEE 802.3at ()
- IEEE 802.3af (PoE)

European Community

> **Note**
> This product complies with the requirements of Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

The ExtremeWireless™ AP3912i is designed for use in the European Union and other countries with similar regulatory restrictions where the end user or installer is allowed to configure the equipment for operation by entry of a country code relative to a specific country. After the country code is selected, the equipment will use the proper frequencies and power outputs for that country code.

The AP3912i is intended for indoor use and must be installed in a proper indoor location. Contact local Authority for procedure to follow and regulatory information. For more details on legal combinations of frequencies, power levels and antennas, contact Extreme Networks. Declaration of Conformity with R&TTE Directive of the European Union 1999/5/EC The following symbol indicates compliance with the Essential Requirements of the R&TTE Directive of the European Union (1999/5/EC).

$C \epsilon \textcircled{!}$

Declaration of Conformity in Languages of the European Community

The full text of the EU declaration of conformity is available at the following Internet address: http://www.extremenetworks.com/

> **Note**
> 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.

English

Hereby, Extreme Networks, Inc. declares that the radio equipment type Wireless LAN Access Point is in compliance with Directive 1999/5/EC.

Finnish

Valmistaja Extreme Networks vakuuttaa täten että Radio LAN device tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

Dutch

Hierbij verklaart Extreme Networks dat het toestel Radio LAN device in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG. Bij deze verklaart Extreme Networks dat deze Radio LAN device voldoet aan de essentiële eisen en aan de overige relevante bepalingen van Richtlijn 1999/5/EC.

French

Par la présente Extreme Networks déclare que l'appareil Radio LAN device est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/ CE. Par la présente, Extreme Networks déclare que ce Radio LAN device est conforme aux exigences essentielles et aux autres dispositions de la directive 1999/5/CE qui lui sont applicables.

Swedish

Härmed intygar Extreme Networks att denna Radio LAN device står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

Danish

Undertegnede Extreme Networks erklærer herved, at følgende udstyr Radio LAN device overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.

German

Hiermit erklärt Extreme Networks die Übereinstimmung des "WLAN Wireless Controller bzw. Access Points" mit den grundlegenden Anforderungen und den anderen relevanten Festlegungen der Richtlinie 1999/5/EG.

Greek

ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Extreme Networks ΔΗΛΩΝΕΙ ΟΤΙ Radio LAN device ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.

Icelandic

Extreme Networks lysir her med yfir að thessi bunadur, Radio LAN device, uppfyllir allar grunnkrofur, sem gerdar eru i R&TTE tilskipun ESB nr 1999/5/EC.

Italian

Con la presente Extreme Networks dichiara che questo Radio LAN device è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

Spanish

Por medio de la presente Extreme Networks declara que el Radio LAN device cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.

Portuguese

Extreme Networks declara que este Radio LAN device está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.

Malti

Hawnhekk, Extreme Networks, jiddikjara li dan Radio LAN device jikkonforma mal-htigijiet essenzjali u ma provvedimenti ohrajn relevanti li hemm fid-Dirrettiva 1999/5/EC.

New Member States Requirements of Declaration of Conformity

Estonian

Käesolevaga kinnitab Extreme Networks seadme Radio LAN device vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.

Hungarian

Alulírott, Extreme Networks nyilatkozom, hogy a Radio LAN device megfelel a vonatkozó alapvetõ követelményeknek és az 1999/5/EC irányelv egyéb elõírásainak.

Slovak

Extreme Networks týmto vyhlasuje, že Radio LAN device spíňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.

Czech

Extreme Networks tímto prohlašuje, že tento Radio LAN device je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES."

Slovenian

Šiuo Extreme Networks deklaruoja, kad šis Radio LAN device atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.

Latvian

Ar šo Extreme Networks deklarē, ka Radio LAN device atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem

Lithuanian

Extreme Networks deklaruoja, kad Radio LAN device atitinka 1999/5/EC Direktyvos esminius reikalavimus ir kitas nuostatas".

Polish

Niniejszym, Extreme Networks, deklaruję, że Radio LAN device spełnia wymagania zasadnicze oraz stosowne postanowienia zawarte Dyrektywie 1999/5/EC.

European Conformance Standards

This equipment meets the following conformance standards:

Safety

- EN 60950-1 To be included in CB Scheme report and certificate

EMC (Emissions/Immunity)

- FCC CFR 47 Part 15, Class B
- FCC Subpart C 15.247
- FCC Subpart E 15.407

- RSS-247
- ICES-003
- EN 301 893
- EN 300 328
- EN 301 489 1 & 17
- EN 60601-1-2
- EN 50385
- EN 55022 (CISPR 22)
- AS/NZS3548 (CISPR22)
- Extreme Networks #QMS-00102

Other

- IEEE 802.11ac (5 GHz)
- IEEE 802.11n (2.4 GHz)
- IEEE 802.3at ()
- IEEE 802.3af (PoE)

RoHS

- European Directive 2011/65/EU

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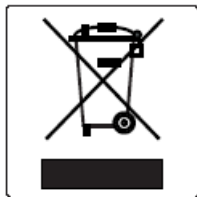
In accordance with Directive 2012/19/EU of the European Parliament on waste electrical and electronic equipment (WEEE):

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.

For information about the available collection system, please contact Extreme Environmental Compliance at Green@extremenetworks.com.

European Spectrum Usage Rules

The AP configured with approved internal or external antennas can be used for indoor and outdoor transmissions throughout the European community as displayed in the following table. Some restrictions apply in Belgium, France, Greece, and Italy.

Table 8: European Spectrum Usage Rules

Country	5.15-5.25 (GHz) Channels: 36,40,44,48	5.25-5.35 (GHz) Channels: 52,56,60,64	5.47-5.725 (GHz) Channels: 100,104,108,112,116, 132,136,140	2.4-2.4835 (GHz) Channels: 1 to 13 (Except Where Noted)
Austria	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Belgium	Indoor only	Indoor only	Indoor or outdoor *	Indoor or outdoor
Bulgaria	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Croatia	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Cyprus	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Czech Rep.	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Denmark	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Estonia	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Finland	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
France	Indoor only	Indoor only	Indoor or outdoor	Indoor only
Germany	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Greece	Indoor only	Indoor only	Indoor (Outdoor w/ license)	Indoor (Outdoor w/ license)
Hungary	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Iceland	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Ireland	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Italy	Indoor only	Indoor only	Indoor or outdoor	Indoor (Outdoor w/ license)
Latvia	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor

Table 8: European Spectrum Usage Rules (continued)

Country	5.15-5.25 (GHz) Channels: 36,40,44,48	5.25-5.35 (GHz) Channels: 52,56,60,64	5.47-5.725 (GHz) Channels: 100,104,108,112,116, 132,136,140	2.4-2.4835 (GHz) Channels: 1 to 13 (Except Where Noted)
Liechtenstein	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Lithuania	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Luxembourg	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Malta	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Netherlands	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Norway	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Poland	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Portugal	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Romania	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Slovak Rep.	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Slovenia	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Spain	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Sweden	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Switzerland	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
Turkey	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor
U.K.	Indoor only	Indoor only	Indoor or outdoor	Indoor or outdoor

Note

Belgium requires notifying the spectrum agency if deploying > 300 meter wireless links in outdoor public areas.

Certifications of Other Countries

This access point has been certified for use in various other countries. When the correct country code is selected, the Wireless AP automatically uses the proper frequencies and power outputs for that country code. It is the responsibility of the end user to select the proper country code for the country the device will be operated within or run the risk violating local laws and regulations.

Other Country Specific Compliance Standards, Approvals and Declarations

- IEC 60950-1 CB Scheme Report and Certificate
- EN 60950-1 To be included in CB Scheme report
- UL 60950-1
- CSA 22.2 No.60950-1-03
- AS/NZS 60950.1 To be included in CB Scheme Report

产品说明书附件
Supplement to Product Instructions

部件名称 (Parts)	有毒有害物质或元素 (Hazardous Substance)					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr^{6+})	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
金属部件 (Metal Parts)	×	○	○	×	○	○
电路模块 (Circuit Modules)	×	○	○	×	○	○
电缆及电缆组件 (Cables & Cable Assemblies)	×	○	○	×	○	○
塑料和聚合物部件 (Plastic and Polymeric parts)	○	○	○	○	○	×
电路开关 (Circuit Breakers)	○	○	×	×	○	○

○： 表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T 11363-2006 标准规定的限量要求以下。
Indicates that the concentration of the hazardous substance in all homogeneous materials in the parts is below the relevant threshold of the SJ/T 11363-2006 standard.

×： 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T 11363-2006 标准规定的限量要求。
Indicates that the concentration of the hazardous substance of at least one of all homogeneous materials in the parts is above the relevant threshold of the SJ/T 11363-2006 standard.

对销售之日的所售产品, 本表显示,
凯创供应链的电子信息产品可能会包含这些物质。注意:在所售产品中可能会也可能不会含有所有所列的部件。
This table shows where these substances may be found in the supply chain of   Extreme   electronic information products, as of the date of sale of the enclosed product. Note that some of the component types listed above may or may not be a part of the enclosed product.

除非另外特别的标注, 此标志为针对所涉及产品的环保使用期标志. 某些零部件会
有一个不同的环保使用期(例如, 电池单元模块)贴在其产品上.
此环保使用期限只适用于产品是在产品手册中所规定的条件下工作.
The Environmentally Friendly Use Period (EFUP) for all enclosed products and their parts are per the symbol shown here, unless otherwise marked. Certain parts may have a different EFUP (for example, battery modules) and so are marked to reflect such. The Environmentally Friendly Use Period is valid only when the product is operated under the conditions defined in the product manual.

NCC Statement

低功率電波輻射性電機管理辦法

第十二條 經型式認證合格之低功率射頻電機，非經許可，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。

第十四條 低功率射頻電機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。
前項合法通信，指依電信法規定作業之無線電通信。
低功率射頻電機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。

在 5.25-5.35 秭赫頻帶內操作之無線資訊傳輸設備，限於室內使用。

電磁波曝露量 MPE 標準值 $1mW/cm^2$，送測產品實測值為 0.315 mW/cm^2