



## NS-5AC Quick Start Guide

### Package Contents



NanoStation



Wall Mount Bracket



Screws (Qty. 2)



Screw Anchors (Qty. 2)



Zip Ties (Qty. 2)



Gigabit PoE Adapter (24V, 0.5A)



Power Cord

### Installation Requirements

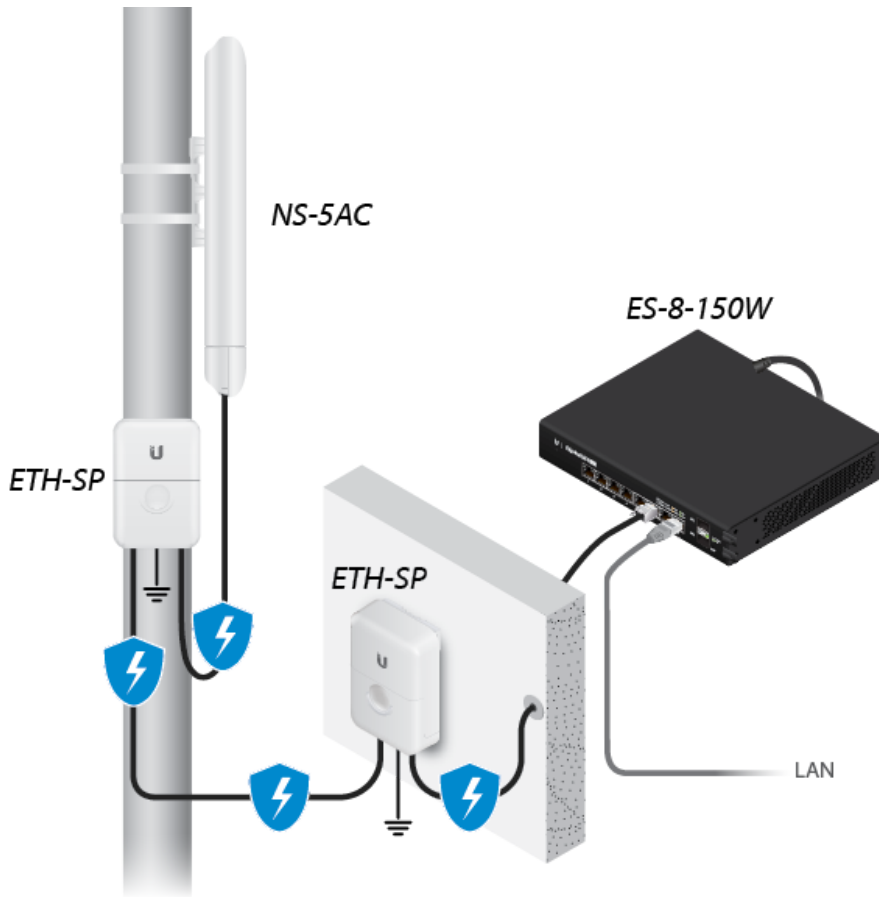
- Phillips screwdriver for wall-mounting
- Shielded Category 5 (or above) cabling with drain wire should be used for all outdoor wired Ethernet connections and should be grounded through the AC ground of the PoE.

We recommend that you protect your networks from harmful outdoor environments and destructive ESD events with industrial-grade, shielded Ethernet cable from Ubiquiti. For more details, visit [ui.com/toughcable](https://ui.com/toughcable)



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the other at the entry point to the building. The ETH-SP will absorb power surges and safely discharge them into the ground.



## Hardware Overview

### Ports





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10/100/1000 Ethernet port used for bridging and supports software-configurable PoE passthrough.

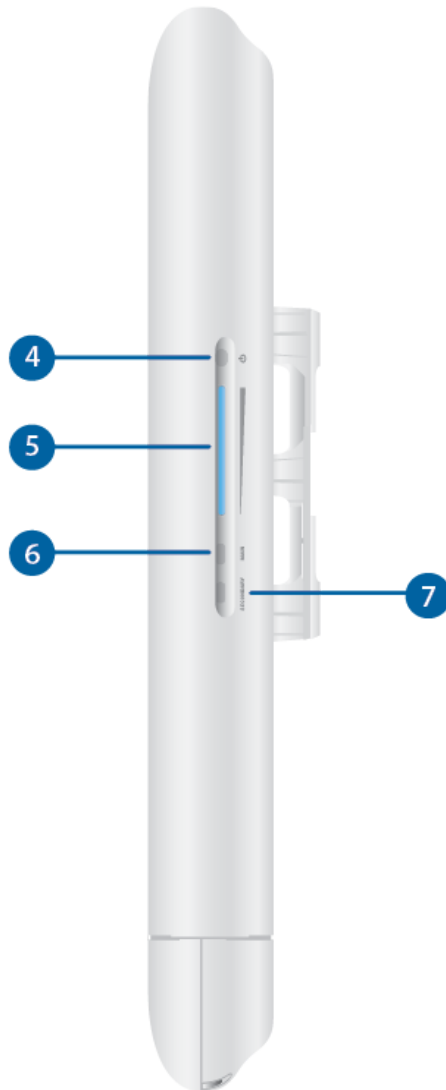
### 2 Main

10/100/1000 Ethernet port used to connect the power and should be connected to the LAN and DHCP server.

### 3 Reset Button

To reset to factory defaults, press and hold the Reset button for more than 10 seconds while the NanoStation is powered on.

## LED Panel



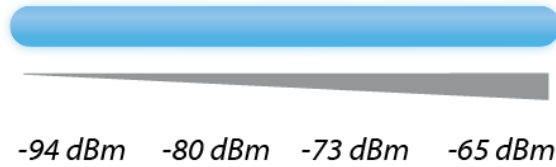
### 4 Power

The Power LED will light blue when the device is connected to a power source.



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In airOS®, you can modify the threshold value for the wireless signal strength LEDs on the Wireless tab under Signal LED Thresholds. The LED will light when the wireless signal strength is equal to or greater than the LED's threshold value. The default threshold values for these LEDs are shown below:



### 6 Main Ethernet

The LED will light steady blue when an active Ethernet connection is made to the Main/LAN port and flash when there is activity.

### 7 Secondary Ethernet

The LED will light steady blue when an active Ethernet connection is made to the Secondary port and flash when there is activity.

## Hardware Installation

1.



2.



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### Pole Mount

- 1.



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2.



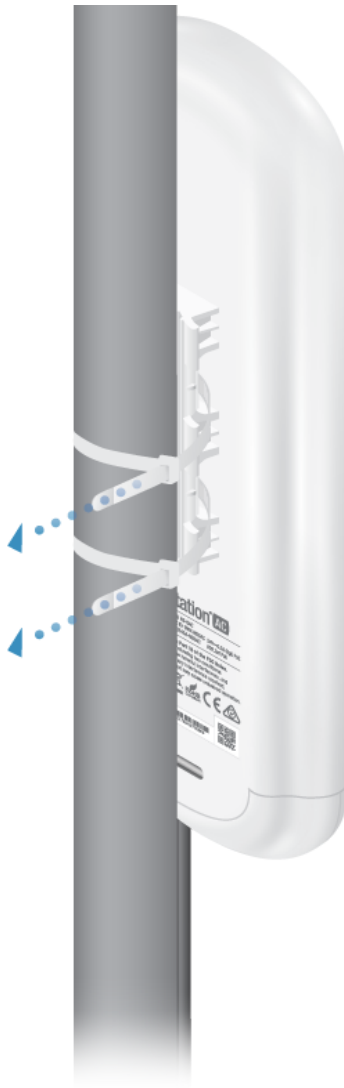
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3.



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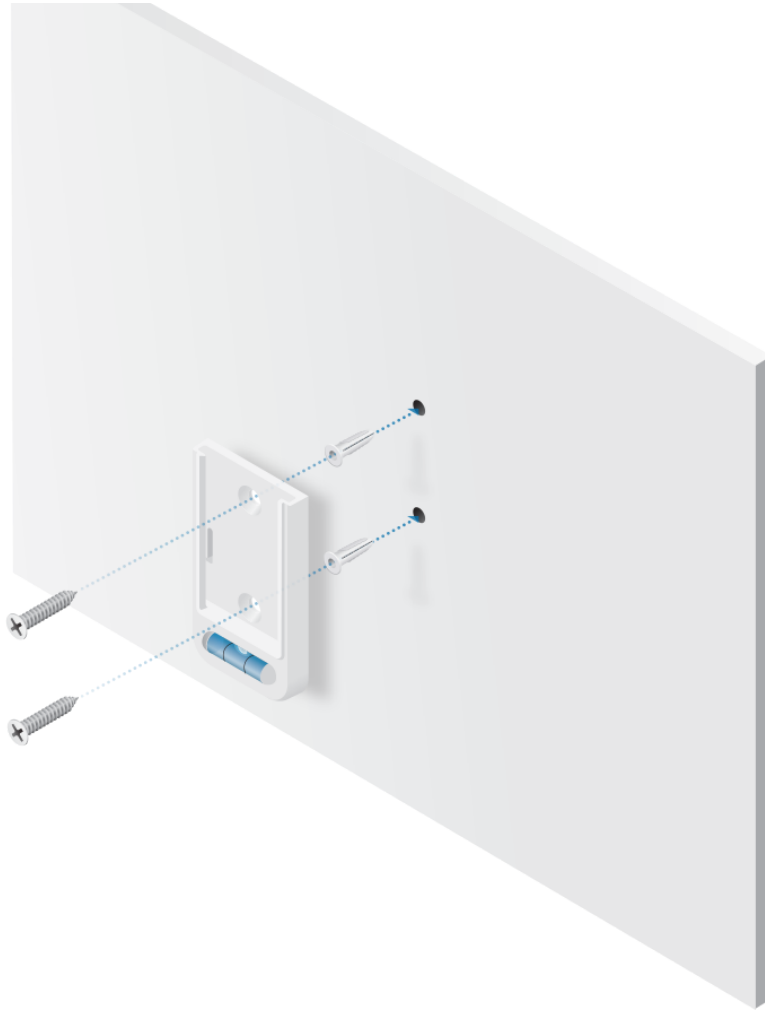
### Wall Mount

- 1.





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2.



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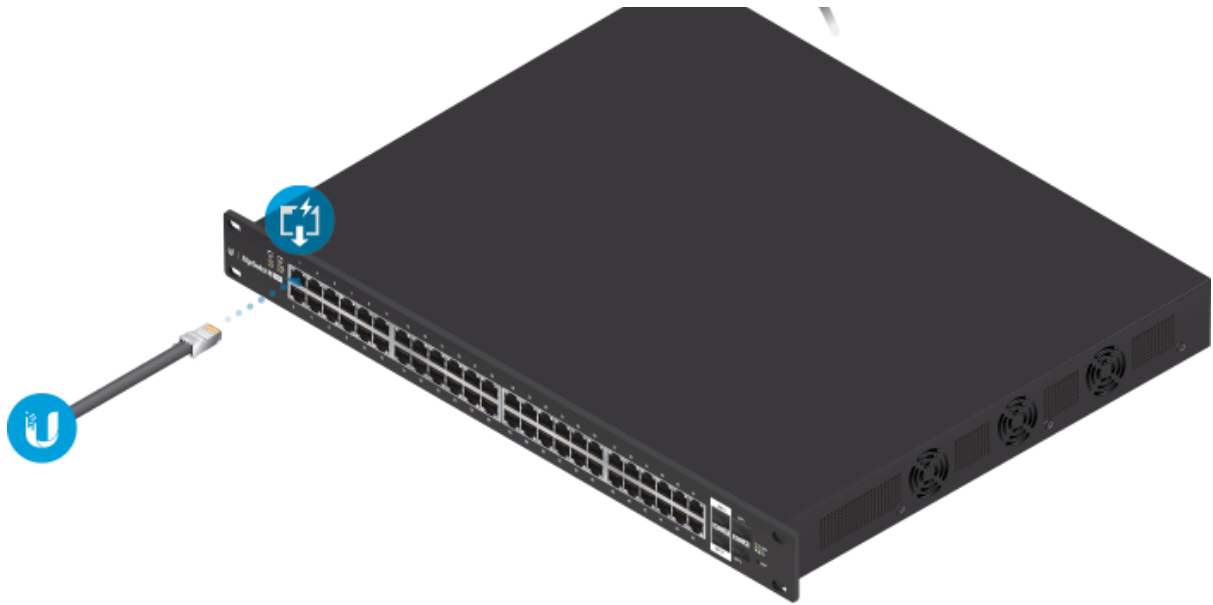
### Connecting Power



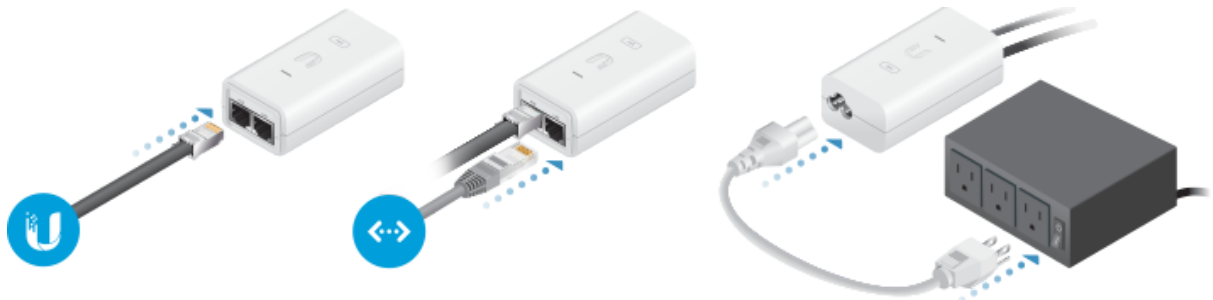
**WARNING:** The switch port must comply with the power specifications listed in this Quick Start Guide.



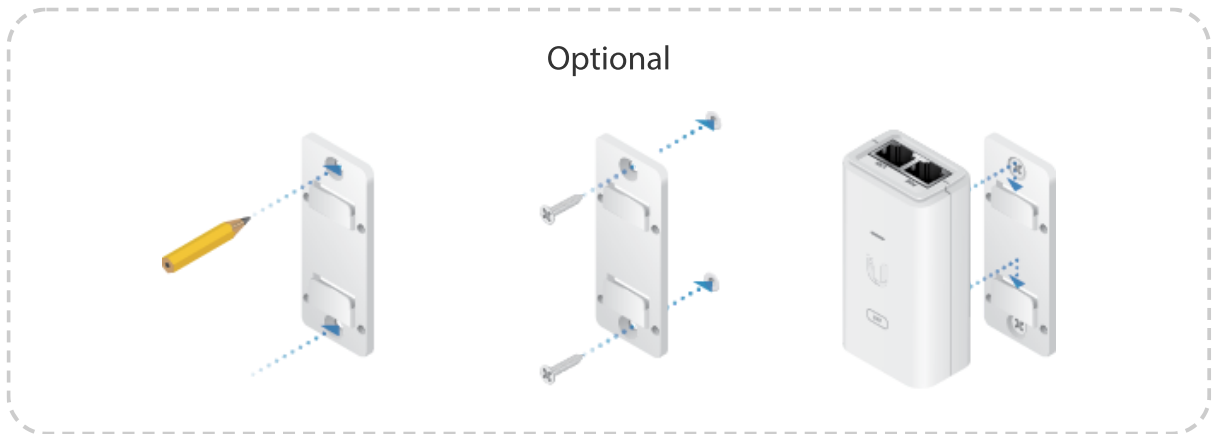
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OR



Optional



## Accessing airOS via Wi-Fi

Verify connectivity in the airOS® Configuration Interface using the UNMS™ app or Web Portal. Both are available for 15 minutes immediately after you power on the device. If necessary, you can power cycle the device to re-enable its Wi-Fi.

### UNMS App

1. Download the UNMS app.



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2. Connect your device's Wi-Fi to the SSID named: <model>:<MAC Address>



**Note:** Ensure that DHCP is enabled on your Wi-Fi adapter.

3. Launch the app and follow the on-screen instructions.

## Web Portal

1. Connect your device's Wi-Fi to the SSID named: <model>:<MAC Address>



**Note:** Ensure that your Wi-Fi connection has DHCP enabled.

2. Launch your web browser and go to: <http://setup.ui.com>



3. Select your Country and Language. You must agree to the Terms of Use to use the product. Click Continue.

4. Create a username and password. Confirm your new password and then click Save.



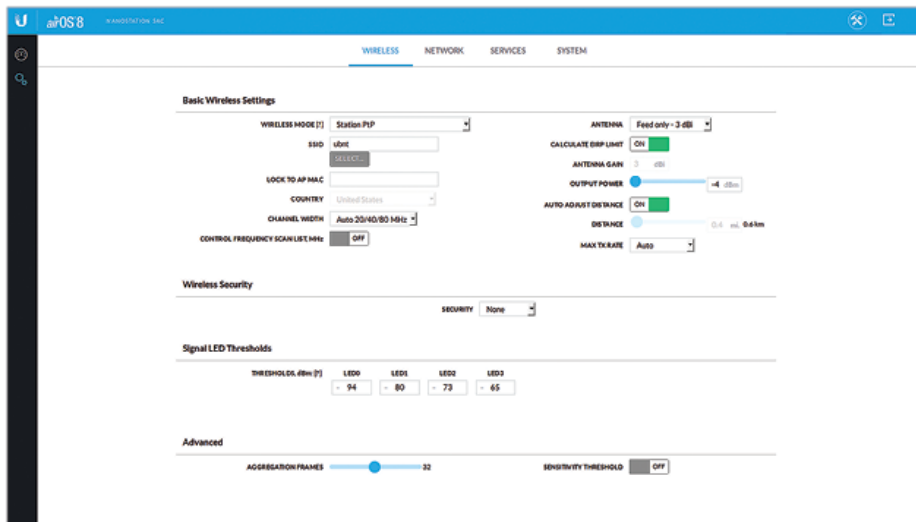
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The airOS Configuration Interface will appear, allowing you to customize your settings as needed. For additional details, refer to the User Guide available at [ui.com/download/airmax-ac](http://ui.com/download/airmax-ac)

## Installer Compliance Responsibility

Devices must be professionally installed and it is the professional installer’s responsibility to make sure the device is operated within local country regulatory requirements.



The Output Power field is provided to the professional installer to assist in meeting regulatory requirements.

## Specifications

NS-5AC	
Dimensions	



## NS-5AC Quick Start Guide

Without Mount	(10.12 x 3.31 x 1.61") 257 x 84 x 30 mm (10.12 x 3.31 x 1.18")
Weight	233 g (8.22 oz)
Gain	16 dBi
Max. Power Consumption	9W
Networking Interface	(2) 10/100/1000 Ethernet Ports
LEDs	Power, ETH1, ETH2, (4) Signal Strength
Power Supply	24VDC, 0.5A Gigabit PoE Adapter
Power Method	802.3af or Passive PoE (Pairs 4, 5+; 7, 8 Return)
Supported Voltage Range	24V ±10%
Mounting	Pole and Wall Mounting Kits Included
ESD/EMP Protection	±24 kV Contact/Air
Operating Temperature	-40 to 70° C (-40 to 158° F)
Operating Humidity	5 to 95% Noncondensing
Certifications	CE, FCC, IC

Operating Frequency (MHz)		
US/CA	U-NII-1	5150 - 5250
	U-NII-2A	5250 - 5350
	U-NII-2C	5470 - 5725
	U-NII-3	5725 - 5850
Worldwide		5150 - 5875

Management Radio (MHz)	
US/CA	2412 - 2462
Worldwide	2412 - 2472

## Safety Notices

1. Read, follow, and keep these instructions.
2. Heed all warnings.
3. Only use attachments/accessories specified by the manufacturer.



**WARNING:** Do not use this product in location that can be submerged by water.



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# Electrical Safety Information

1. Compliance is required with respect to voltage, frequency, and current requirements indicated on the manufacturer's label. Connection to a different power source than those specified may result in improper operation, damage to the equipment or pose a fire hazard if the limitations are not followed.
2. There are no operator serviceable parts inside this equipment. Service should be provided only by a qualified service technician.
3. This equipment is provided with a detachable power cord which has an integral safety ground wire intended for connection to a grounded safety outlet.
  - a. Do not substitute the power cord with one that is not the provided approved type. Never use an adapter plug to connect to a 2-wire outlet as this will defeat the continuity of the grounding wire.
  - b. The equipment requires the use of the ground wire as a part of the safety certification, modification or misuse can provide a shock hazard that can result in serious injury or death.
  - c. Contact a qualified electrician or the manufacturer if there are questions about the installation prior to connecting the equipment.
  - d. Protective earthing is provided by Listed AC adapter. Building installation shall provide appropriate short-circuit backup protection.
  - e. Protective bonding must be installed in accordance with local national wiring rules and regulations.

# Limited Warranty

[ui.com/support/warranty](https://ui.com/support/warranty)

The limited warranty requires the use of arbitration to resolve disputes on an individual basis, and, where applicable, specify arbitration instead of jury trials or class actions.

# Compliance

## FCC

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

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

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class A 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 generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operations of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



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### ISED Canada

#### CAN ICES-3(A)/NMB-3(A)

This device complies with ISED Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This radio transmitter has been approved by ISED Canada.

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.

#### CAN ICES-3(A)/NMB-3(A)

Le présent appareil est conforme aux CNR d'ISDE Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. l'appareil ne doit pas produire de brouillage;
2. l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Le présent émetteur radio a été approuvé par ISDE Canada.

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.

### IMPORTANT NOTE

#### Radiation Exposure Statement

- This equipment complies with radiation exposure limits set forth for an uncontrolled environment.
- This equipment should be installed and operated with minimum distance 33 cm between the radiator and your body.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

### AVIS IMPORTANT

#### Déclaration sur l'exposition aux rayonnements

- Cet équipement est conforme aux limites prévues pour l'exposition aux rayonnements dans un environnement non contrôlé.
- Lors de l'installation et de la mise en fonctionnement de l'équipement, assurez-vous qu'il y ait une distance minimale de 33 cm entre l'élément rayonnant et vous.
- Cet émetteur ne doit être installé à proximité d'aucune autre antenne ni d'aucun autre émetteur, et ne doit être utilisé conjointement à aucun autre de ces appareils.

### Australia and New Zealand





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### Brazil



**Nota:** Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

### CE Marking

CE marking on this product represents the product is in compliance with all directives that are applicable to it.



#### Country List



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

BFWA (Broadband Fixed Wireless Access) members noted in blue



**Note:** This device meets Max. TX power limit per ETSI regulations.

The following apply to products that operate in the 5 GHz frequency range:



**Note:** This device is restricted to indoor use only when operating in the 5150 - 5350 MHz frequency range within all member states.



**Note:** All countries listed may operate at 30 dBm. BFWA member states may operate at 36 dBm.



**Note:** Operation in the 5.8 GHz frequency band is prohibited in BFWA member states. Other countries listed may use the 5.8 GHz frequency band.

### WEEE Compliance Statement

### Declaration of Conformity

### Online Resources



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