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## UBIQUITI SWX-UDB Networks Uni Fi AP UAP



## **Package Contents**



UniFi AP AC Pro



Mounting Bracket



Ceiling Backing Plate



Flat Head Screws (Qty. 4)



Keps Nuts (Qty. 4)



Screws (Qty. 4)



Screw Anchors (Qty. 4)



Cable Feed Plug



Gigabit PoE\* (48V, 0.3A) with Mount Bracket



Power Cord\*

Included only in the single-pack of the UAP-AC-PRO

## Installation Requirements

- Phillips screwdriver
- Drill and drill bit (6 mm for wall-mounting or 3 mm for ceiling-mounting)
- Optional: Drywall or keyhole saw (to cut 18 mm hole for Ethernet cable feed)
- Cat5/6 UTP cable for indoor installations

**IMPORTANT:** The UAP-AC-PRO requires the UniFi Network Application v5.4 or higher, available at: [ui.com/download/unifi](https://ui.com/download/unifi)

## Outdoor Installation Requirements



**IMPORTANT:** The UAP-AC-PRO may be installed outdoors under an eave or other protected location. Do not install the UniFi AP in an open environment.

- The mounting location should be at least 60 cm (2 ft) from the edge of the eave or ceiling.
- The cable feed opening must be directed away from the open environment.
- The cable feed must be pointed downwards when wall-mounted.
- 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](http://ui.com/toughcable).

## System Requirements

- Linux, Mac OS X, or Microsoft Windows 7/8/10
- Java Runtime Environment 1.8 or above recommended
- Web Browser: Google Chrome (Other browsers may have limited functionality.)
- UniFi Network Application v5.4 or newer (available at: [ui.com/download/unifi](http://ui.com/download/unifi))

## Hardware Overview

### LED

### Ports



### 1. Security Slot

- If you need to remove the UniFi AP from the Mounting Plate, insert a flat, thin object like a zip tie or large paper clip in the Security Slot to release the Lock Tab and turn the UniFi AP counterclockwise.

### 2. Secondary

- The Secondary port is a Gigabit Ethernet port used for bridging.

### 3. Reset

- The Reset button serves two functions for the UniFi AP:
  - Restart Press and release the Reset button quickly.
  - Restore to Factory Default Settings Press and hold the Reset button for more than five seconds.

### 4. USB

- The USB port is reserved for future use.

### 5. Main

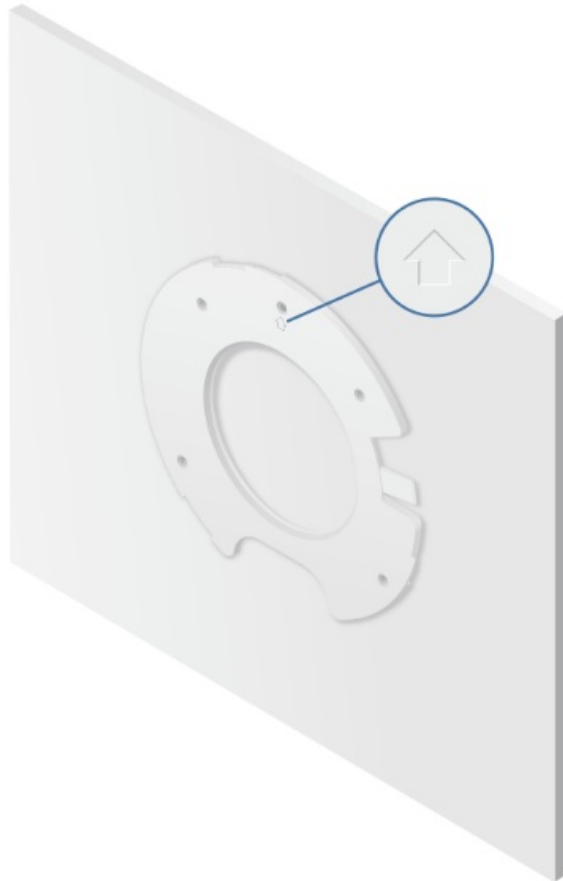
- The Main port is a Gigabit Ethernet port used to connect the power and should be connected to the LAN and DHCP server.

## Hardware Installation

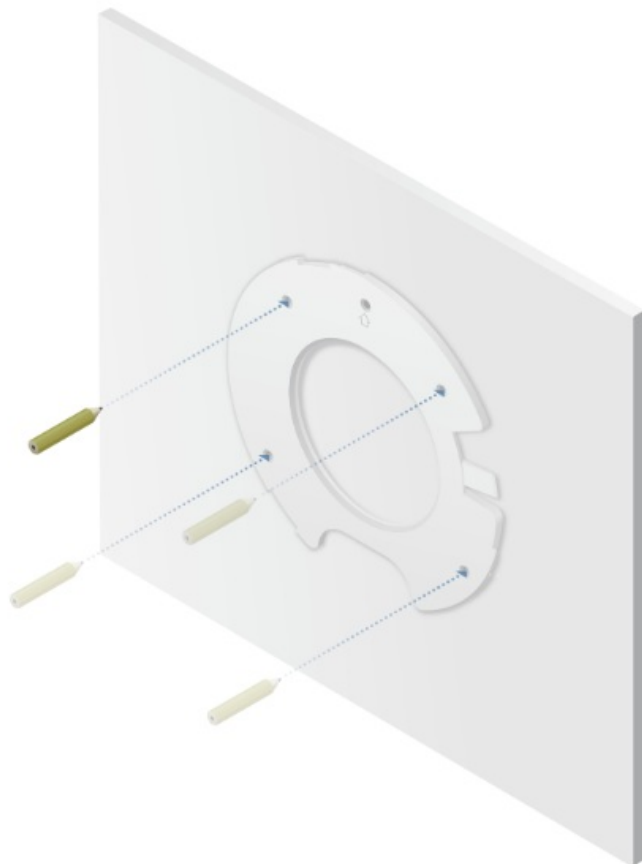
The UniFi AP can be mounted on the wall or ceiling. Perform the steps for the appropriate installation:

## Wall Mount

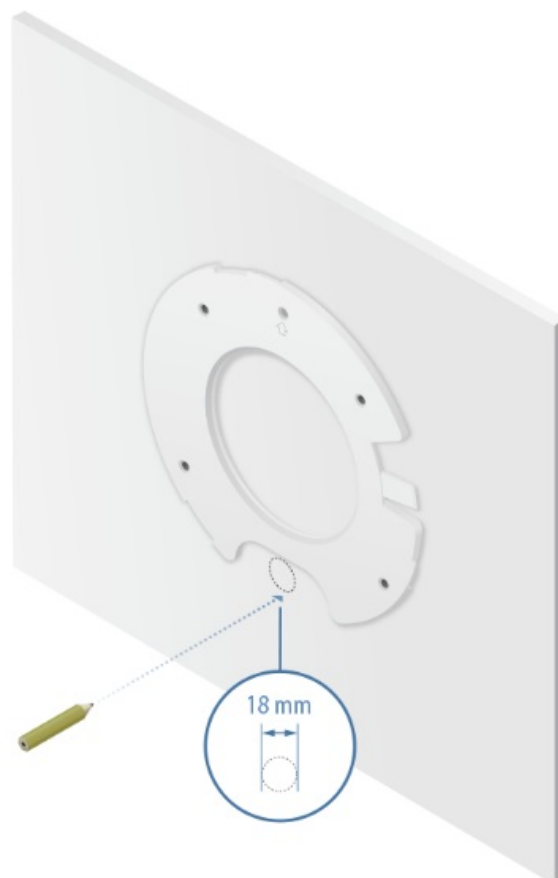
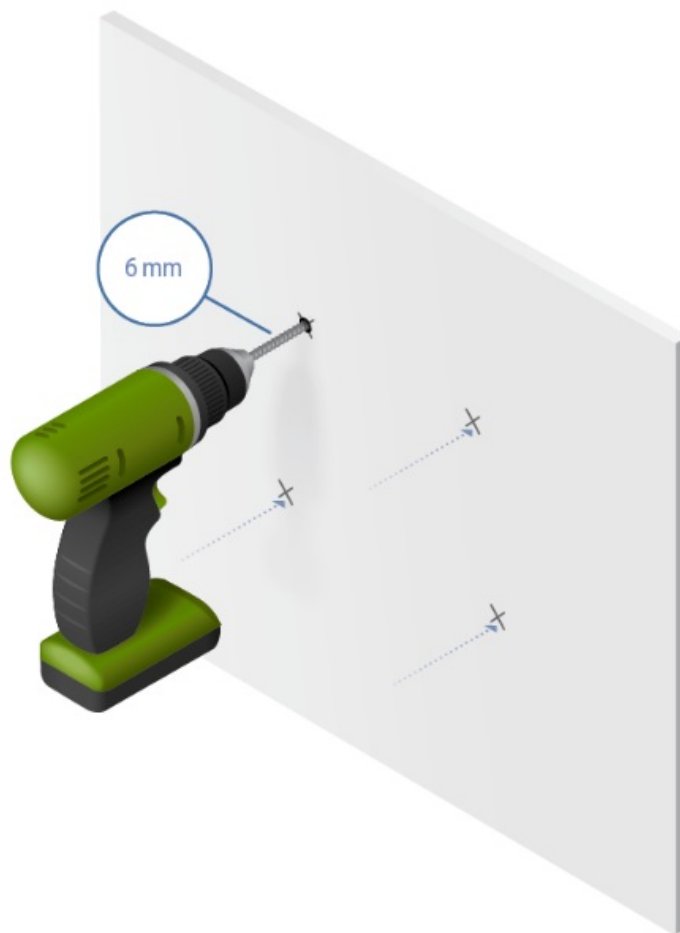
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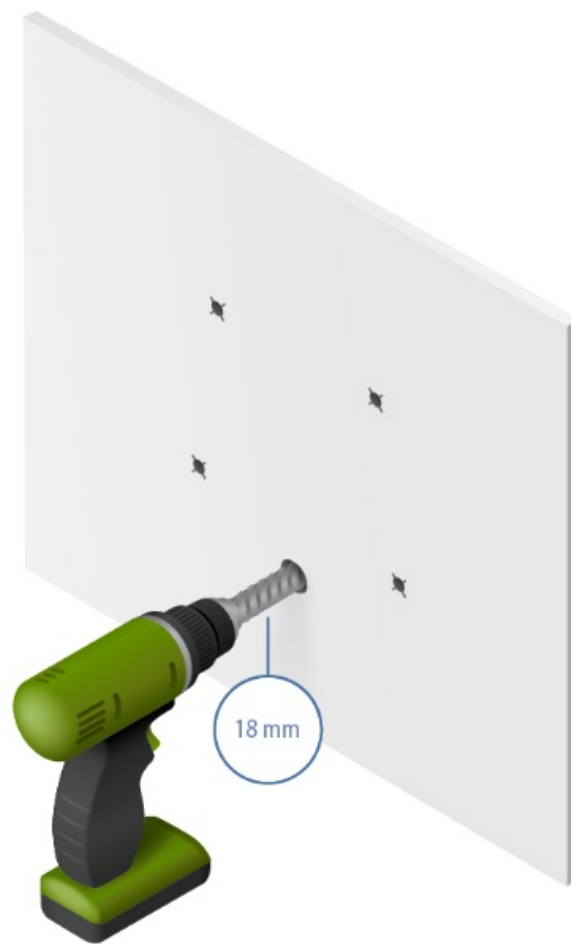


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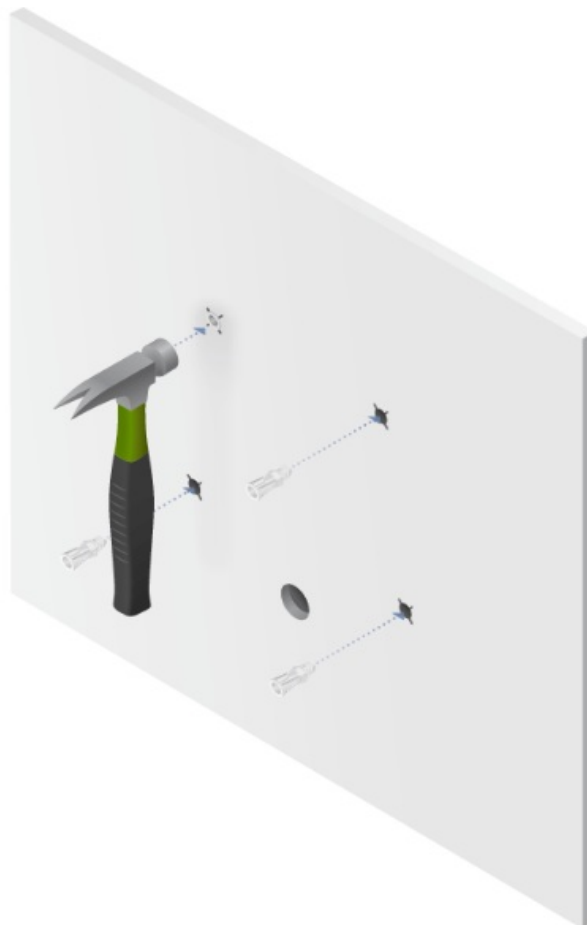


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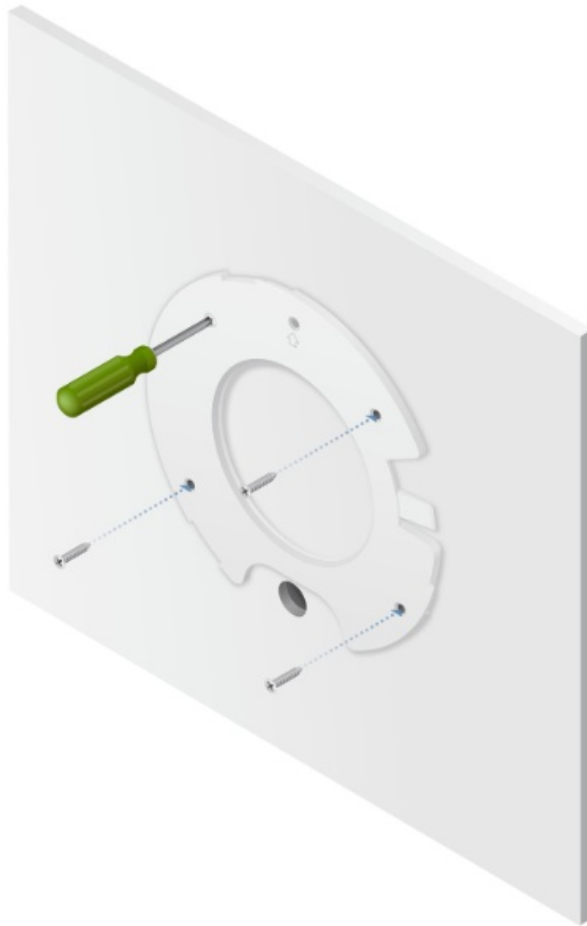


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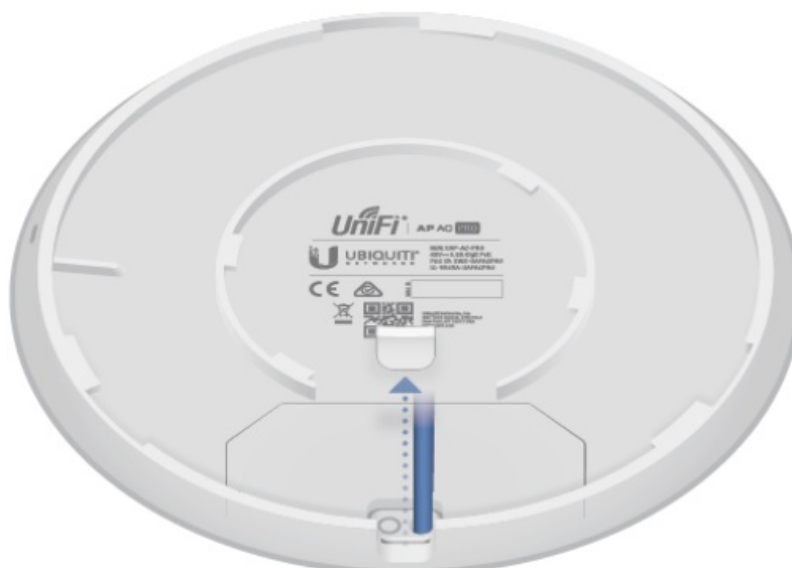
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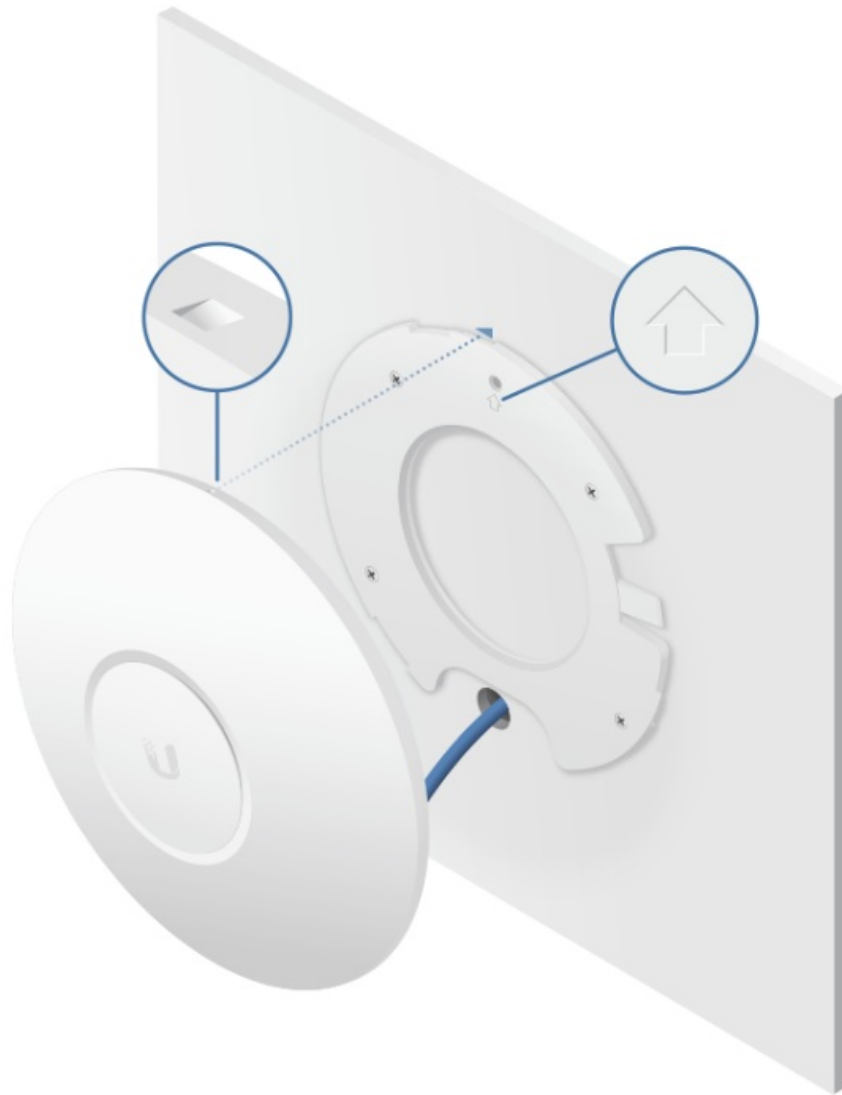
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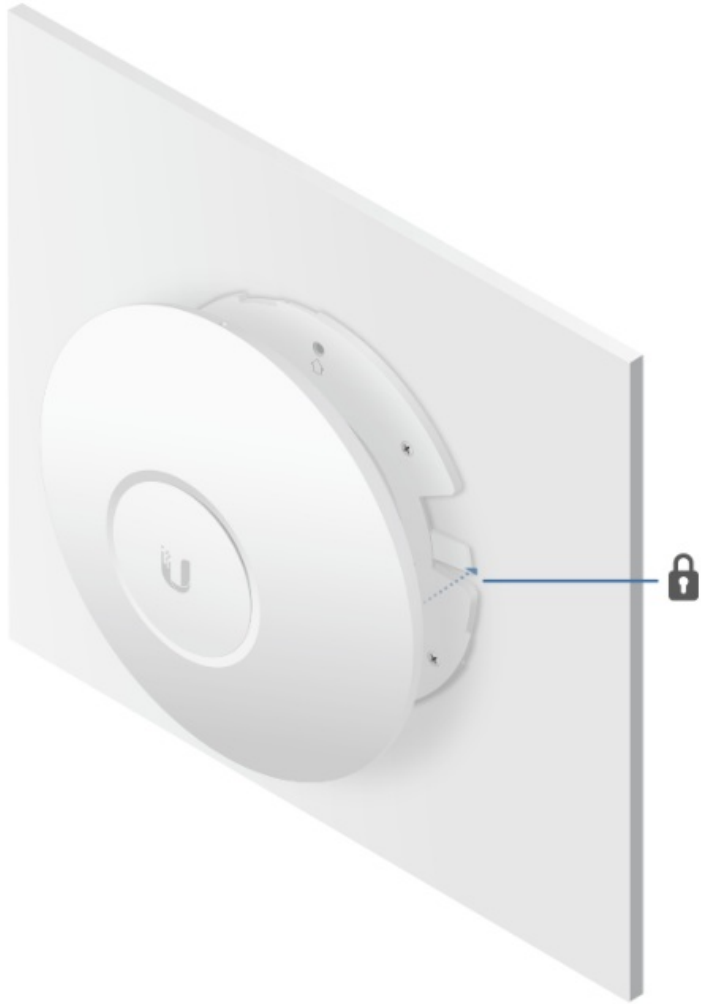
Optional



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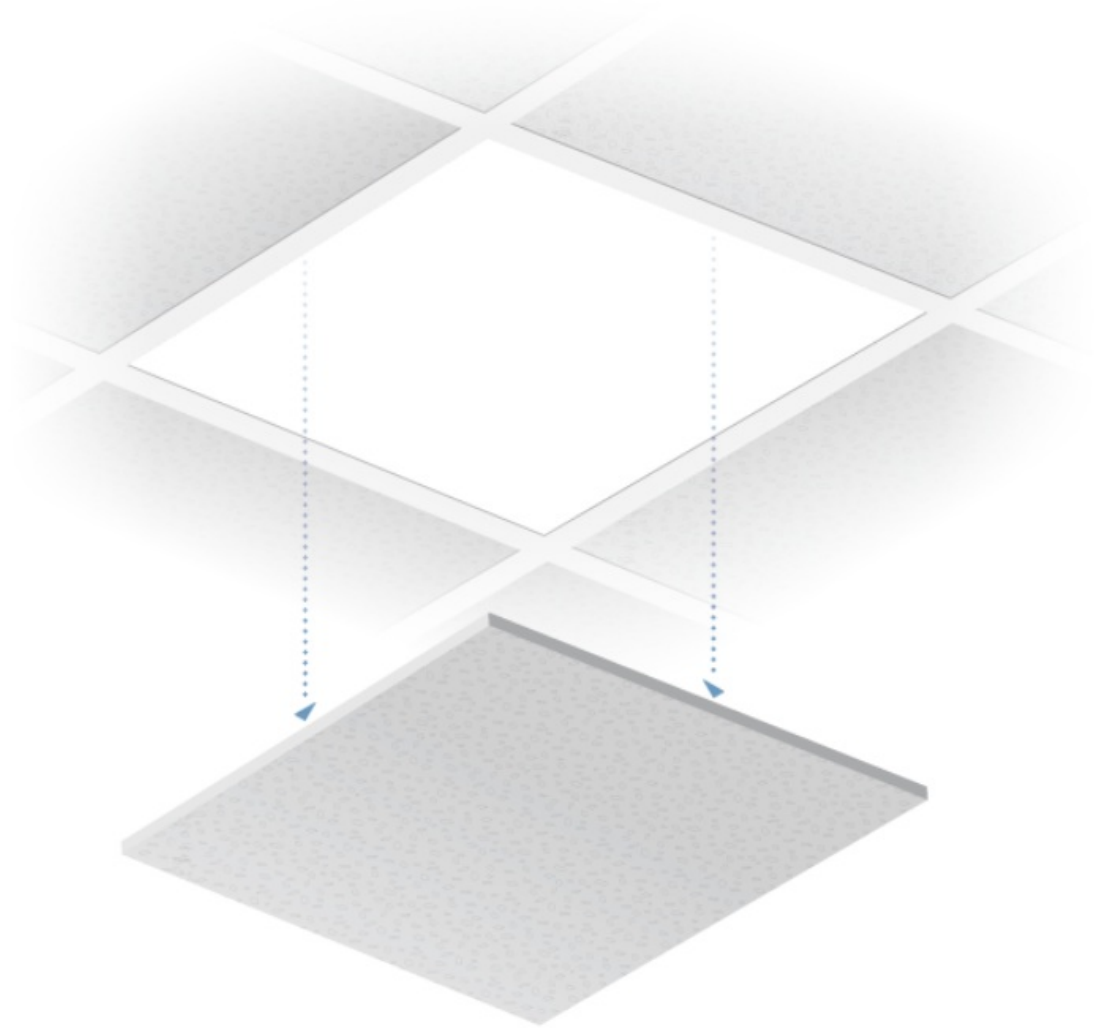


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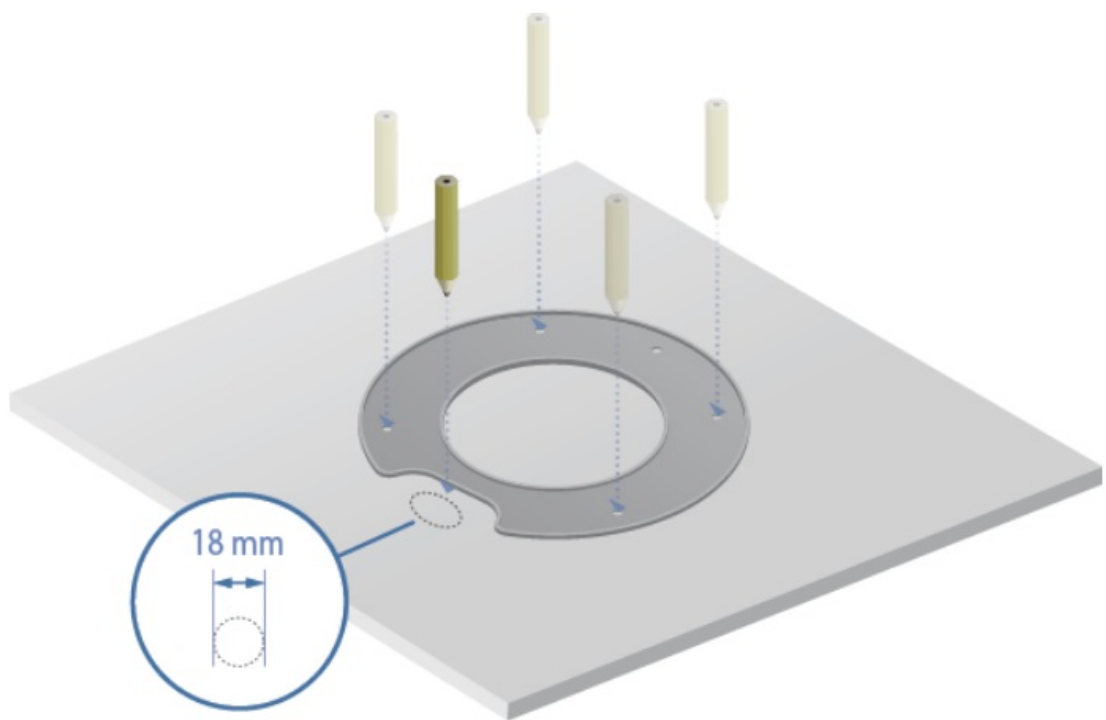


**Ceiling Mount**

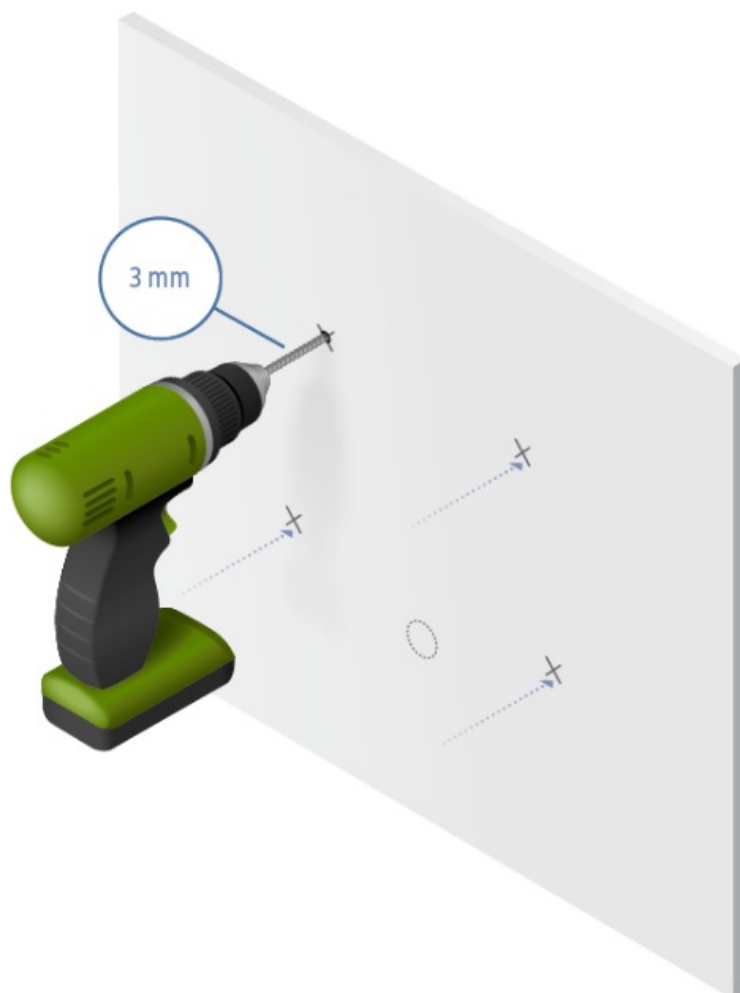
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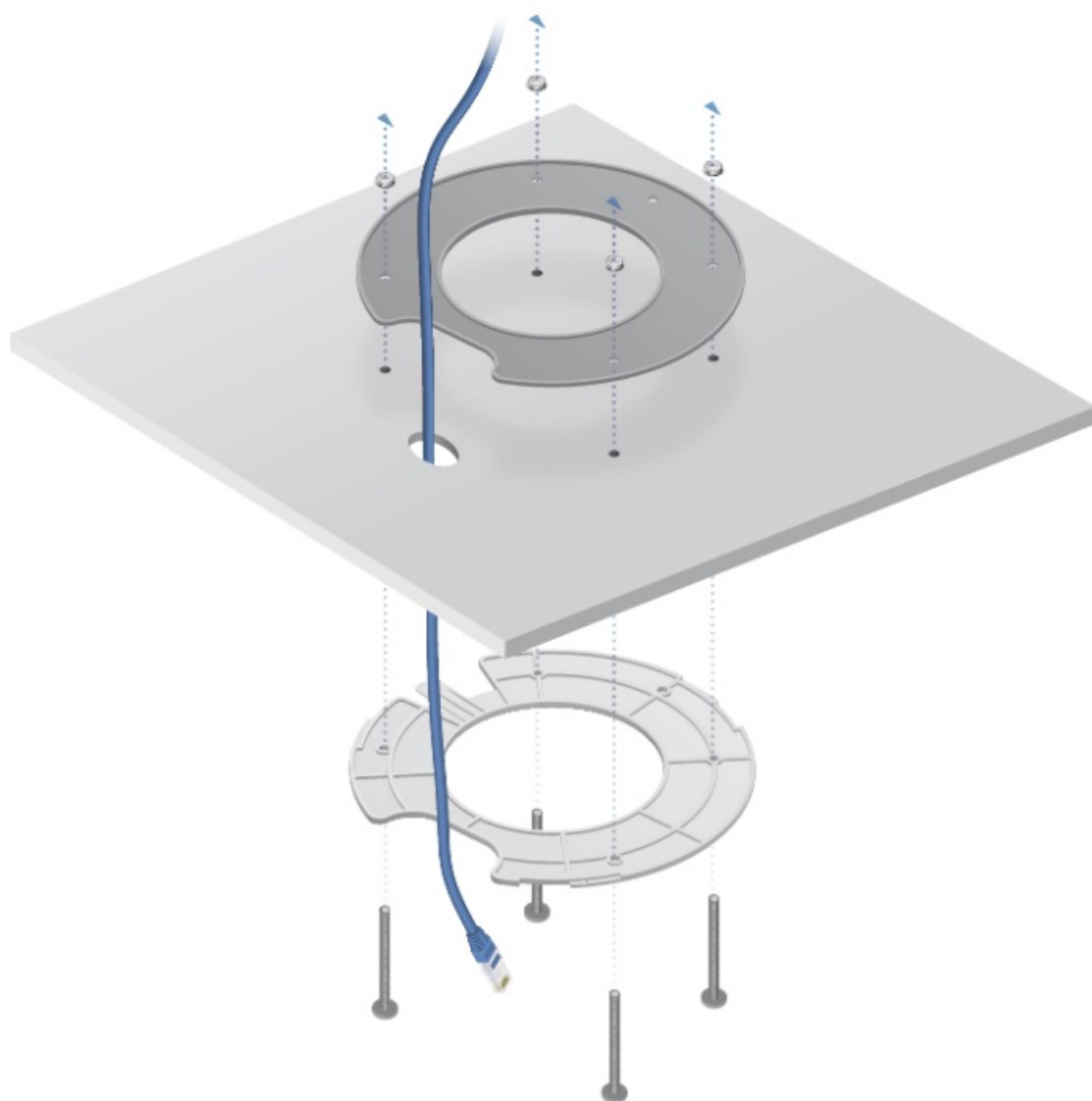
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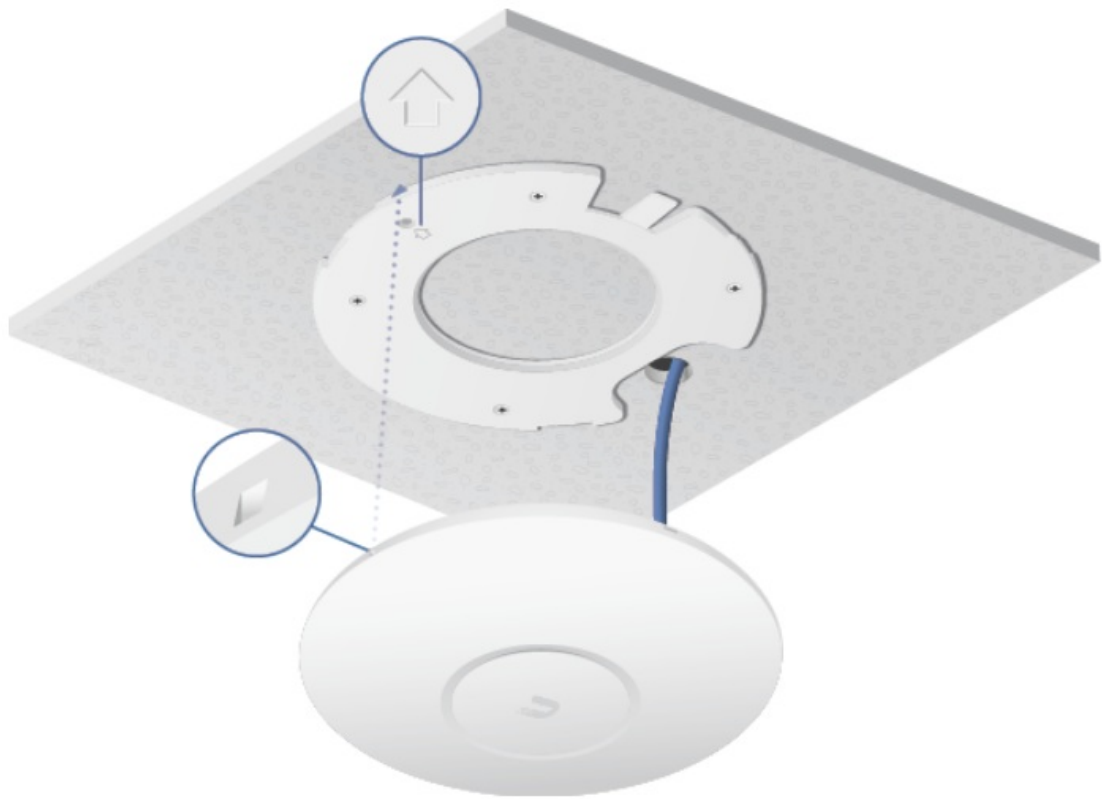
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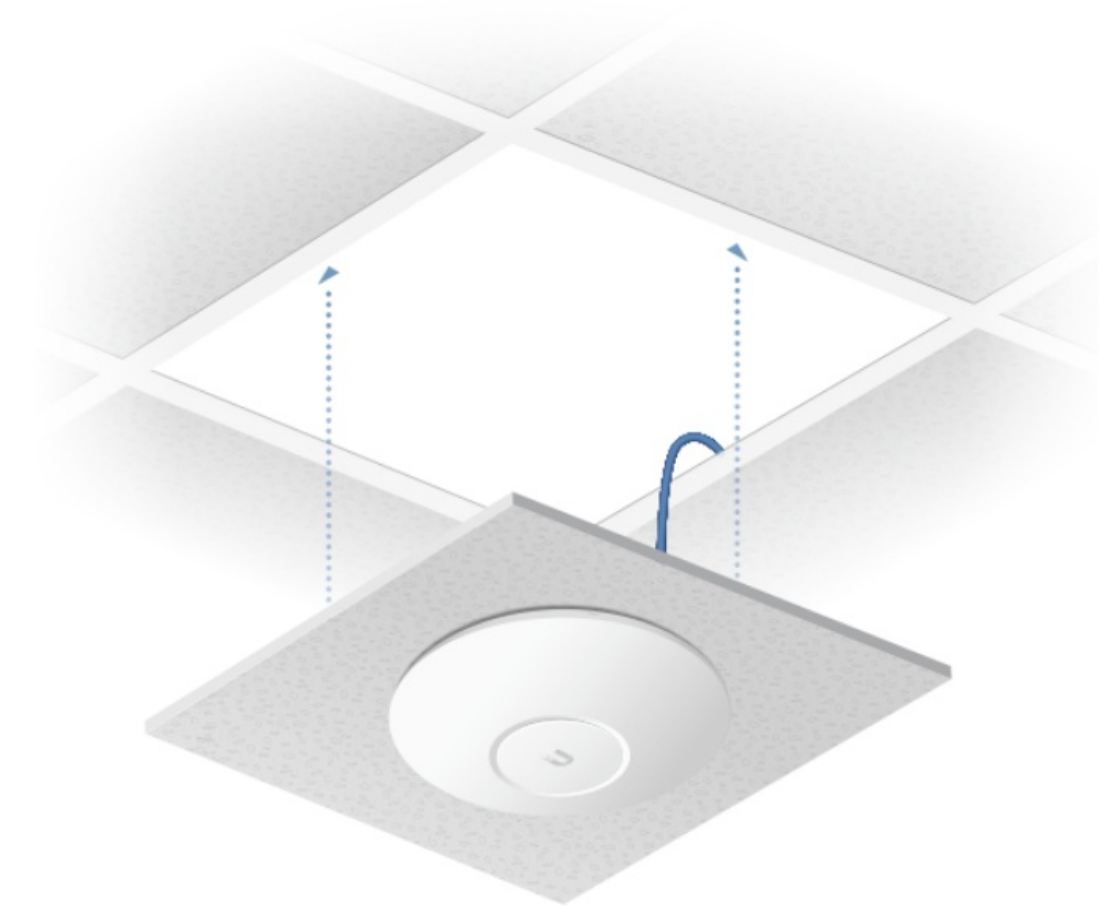


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10.





## Powering the UniFi AP

The UAP-AC-PRO features auto-sensing 802.3af/802.3at PoE support and can be powered by any of the following:

- Ubiquiti UniFi Switch with PoE
- 802.3af/802.3at PoE+ compliant switch
- Ubiquiti Gigabit PoE Adapter (48V, 0.3A)

The single-pack of the UAP-AC-PRO includes one Gigabit PoE adapter. For multi-pack units, PoE adapters or a UniFi Switch with PoE may be purchased separately.

## Connecting to a PoE Switch

Connect the Ethernet cable from the UniFi AP directly to a PoE port on the switch.



## Connecting to the PoE Adapter

1. Connect the Ethernet cable from the device to the POE port of the PoE adapter.
2. Connect an Ethernet cable from your LAN to the LAN port of the PoE adapter.
3. Connect the Power Cord to the adapter, and then plug the Power Cord into a power outlet.



## Mounting the PoE Adapter (Optional)

1. Remove the PoE Mounting Bracket from the adapter, place the bracket at the desired location, and mark the two holes.
2. Pre-drill the holes if necessary, and secure the bracket using two fasteners (not included).

3. Align the adapter's slots with the tabs of the PoE Mounting Bracket, and then slide the adapter down.



## Specifications

UAP-AC-PRO	
<b>Dimensions</b>	196.7 x196.7 x 35 mm (7.74 x 7.74 x 1.38")
<b>Weight</b> <ul style="list-style-type: none"><li><b>With Mounting Kit</b></li></ul>	350 g (12.35 oz) 450 g (15.87 oz)
<b>Networking Interface</b>	(2) 10/100/1000 Ethernet Ports
<b>Buttons</b>	Reset
<b>Power Method</b>	PoE 802.3af/802.3at
<b>Power Supply</b>	48V, 0.3A Gigabit PoE Adapter*
<b>Max. Power Consumption</b>	9W
<b>Operating Frequency</b>	2.4 GHz 5 GHz

UAP-AC-PRO	
<b>Max. TX Power</b> <ul style="list-style-type: none"> <li><b>2.4 GHz</b></li> <li><b>5 GHz</b></li> </ul>	<ul style="list-style-type: none"> <li>22 dBm</li> <li>22 dBm</li> </ul>
<b>Antennas</b>	(3) Dual-Band Antennas, 3 dBi each
<b>Wi-Fi Standards</b>	802.11 a/b/g/n/ac
<b>Wireless Security</b>	WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2, TKIP/AES)
<b>Mounting</b>	Wall/Ceiling (Kits Included)
<b>Operating Temperature</b>	-10 to 70° C (14 to 158° F)
<b>Operating Humidity</b>	5 to 95% Noncondensing
<b>Certifications</b>	CE, FCC, IC

Included with the single-pack of the UAP-AC-PRO

## 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.

**WARNING:** Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

## 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.
  - 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.
  - 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.
  - Contact a qualified electrician or the manufacturer if there are questions about the installation prior to connecting the equipment.
  - Protective earthing is provided by Listed AC adapter. Building installation shall provide appropriate short-circuit backup protection.
  - Protective bonding must be installed in accordance with local national wiring rules and regulations.

## **Limited Warranty**

[ui.com/support/warranty](http://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.

## **FCC**

### **Compliance**

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.

This radio transmitter has been approved by FCC.

## **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.

## **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 a minimum distance 20 cm between the radiator and your body.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## **Australia and New Zealand**

**Warning:** This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

## **CE Marking**

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

[https://dl.ui.com/qsg/source/main/WEEE/WEEE\\_Compliance\\_Statement.html](https://dl.ui.com/qsg/source/main/WEEE/WEEE_Compliance_Statement.html)

## **Declaration of Conformity**

<https://www.ui.com/compliance/>

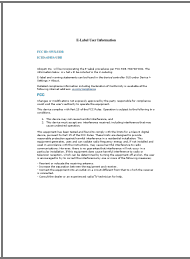
## **Online Resources**

- <https://help.ubnt.com/>
- <https://community.ubnt.com/>
- <https://www.ui.com/download/>

FAQs

- **What should I do if I encounter interference issues with the device?**
  - If you experience interference, try reorienting or relocating the receiving antenna, increasing separation between devices, connecting to a different circuit, or seeking assistance from a professional.
- **Where can I find detailed compliance information?**
  - Detailed compliance information, including Declaration of Conformity, is available at [ui.com/compliance](https://ui.com/compliance).

Documents / Resources

	<a href="#">UBIQUITI SWX-UDB Networks Uni Fi AP UAP [pdf]</a> User Manual SWX-UDB, SWXUDB, udb, SWX-UDB Networks Uni Fi AP UAP, SWX-U DB, Networks Uni Fi AP UAP, Uni Fi AP UAP, Fi AP UAP, AP UAP
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References

- [User Manual](#)

UBIQUITI

AP UAP, Fi AP UAP, Networks Uni Fi AP UAP, SWX-UDB, SWX-UDB Networks Uni Fi AP UAP, SWXUDB, Ubiquiti, udb, Uni Fi AP UAP

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