

# UAP-XG Quick Start Guide

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[dl.ubnt.com/qsg/UAP-XG/UAP-XG\\_EN.html](http://dl.ubnt.com/qsg/UAP-XG/UAP-XG_EN.html)



## Package Contents

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UniFi AP XG



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Mounting Plate



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Ceiling Backing Plate



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Ceiling Screws (Qty. 4)



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Keps Nuts (Qty. 4)



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T-Bar Mounts (Qty. 2)



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T-Bar Screws (Qty. 2)



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Allen Wrench



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Wall Screws (Qty. 4)



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Screw Anchors (Qty. 4)



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Cable Feed Plug



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Gigabit PoE (50V,  
1.2A)\*



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Power Cord\*

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## Installation Requirements

- Phillips screwdriver
- Drill and drill bit (8 mm for wall mounting or 3 mm for ceiling tile mounting)

- Optional: Drywall or keyhole saw (to cut 18 mm hole for Ethernet cable feed)
- Cat6A UTP cable for indoor installations

## Outdoor Installation Requirements

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

- Mounting location should be at least 60 cm (2 ft) from the edge of the eave or ceiling.
- Cable feed opening must be directed away from the open environment.
- Cable feed must be pointed downwards when wall-mounted.
- Shielded Category 6 (or above) cabling should be used for all outdoor wired Ethernet connections and should be grounded through the AC ground of the PoE.

## System Requirements

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

## Hardware Overview

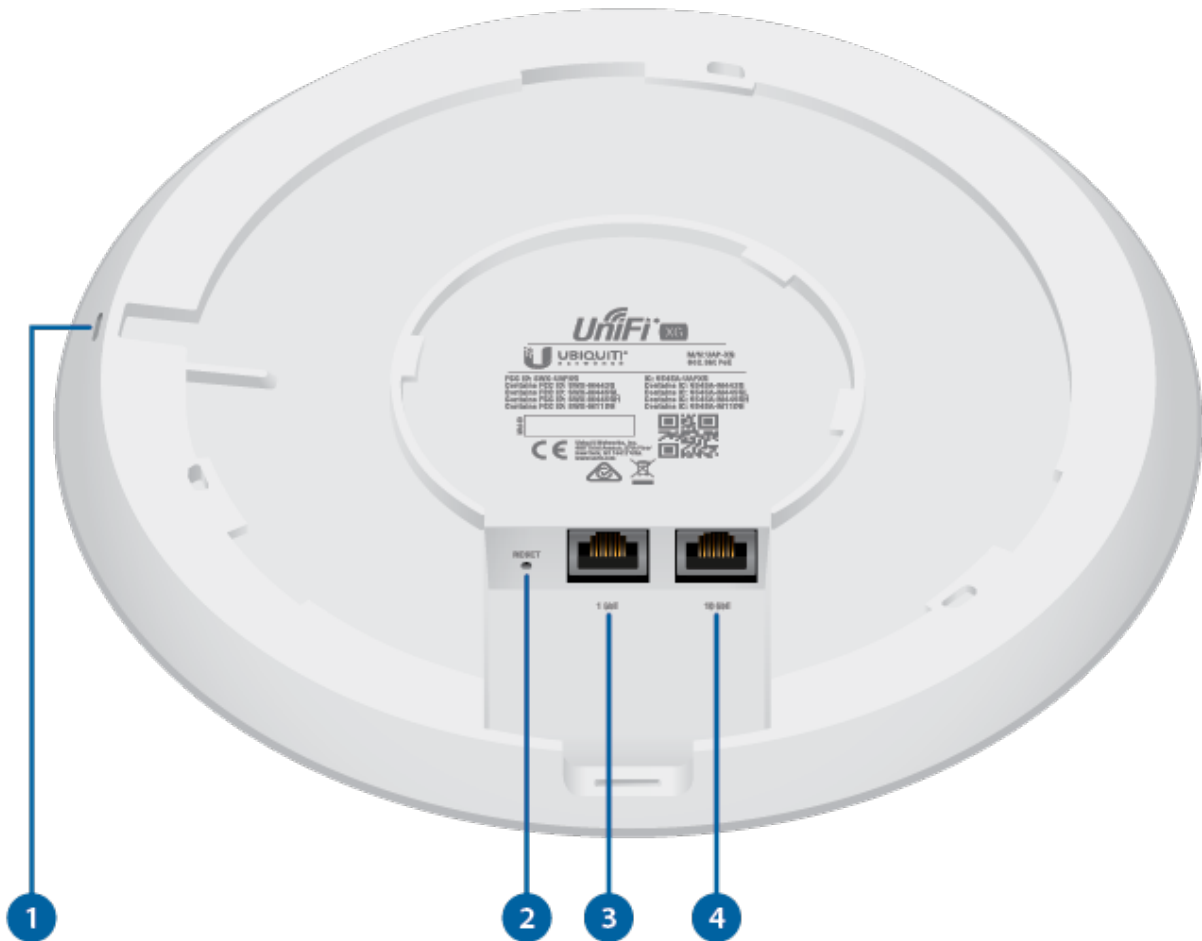
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### LED

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### Ports

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### 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 Reset

The Reset button serves two functions for the UAP-XG:

- Restart Press and release the Reset button quickly.
- Restore to Factory Default Settings Press and hold the Reset button for more than five seconds.

### 3 1 GbE

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The 1 GbE port is a 10/100/1000 Ethernet port used for bridging. It can also be used to connect the power.

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## 4 10 GbE

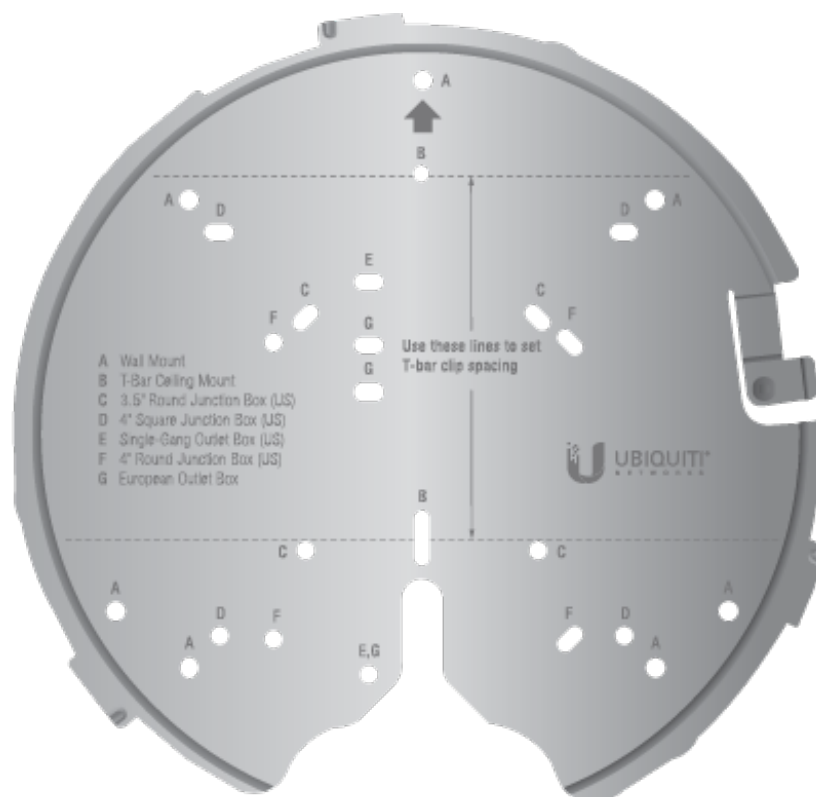
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The 10 GbE port is a 1/10 Gbps Ethernet port used to connect the power and should be connected to the LAN and DHCP server. For 10 Gbps operation, connect the UAP-XG to an 802.3bt PoE switch.

 Note: The UAP-XG can also be powered using a 50V, 1.2A Gigabit PoE adapter. For instructions on using the adapter, see [Powering the UniFi AP](#).

## Mounting Plate

The Mounting Plate offers a variety of mounting holes for different applications. The legend printed on the Mounting Plate identifies the holes used for each application.



## Hardware Installation

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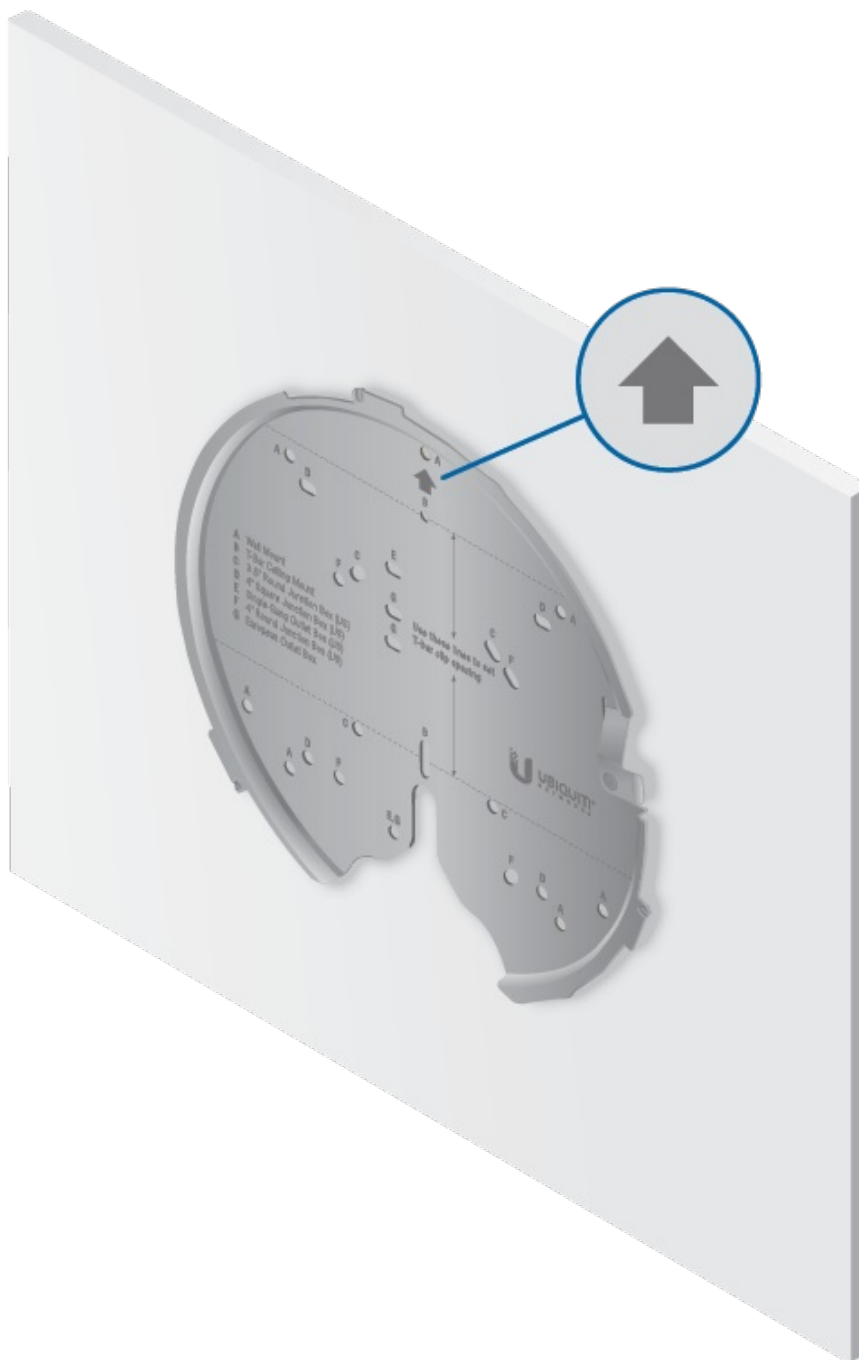
The UAP-XG can be mounted on a wall, ceiling tile, drop ceiling T-rail (up to 40 mm), or electrical junction box. Perform the steps for the appropriate installation.

Note for UniFi AP replacement: The holes marked “A” on the Mounting Plate line up with the holes of mounting brackets used for previous UniFi AP models.

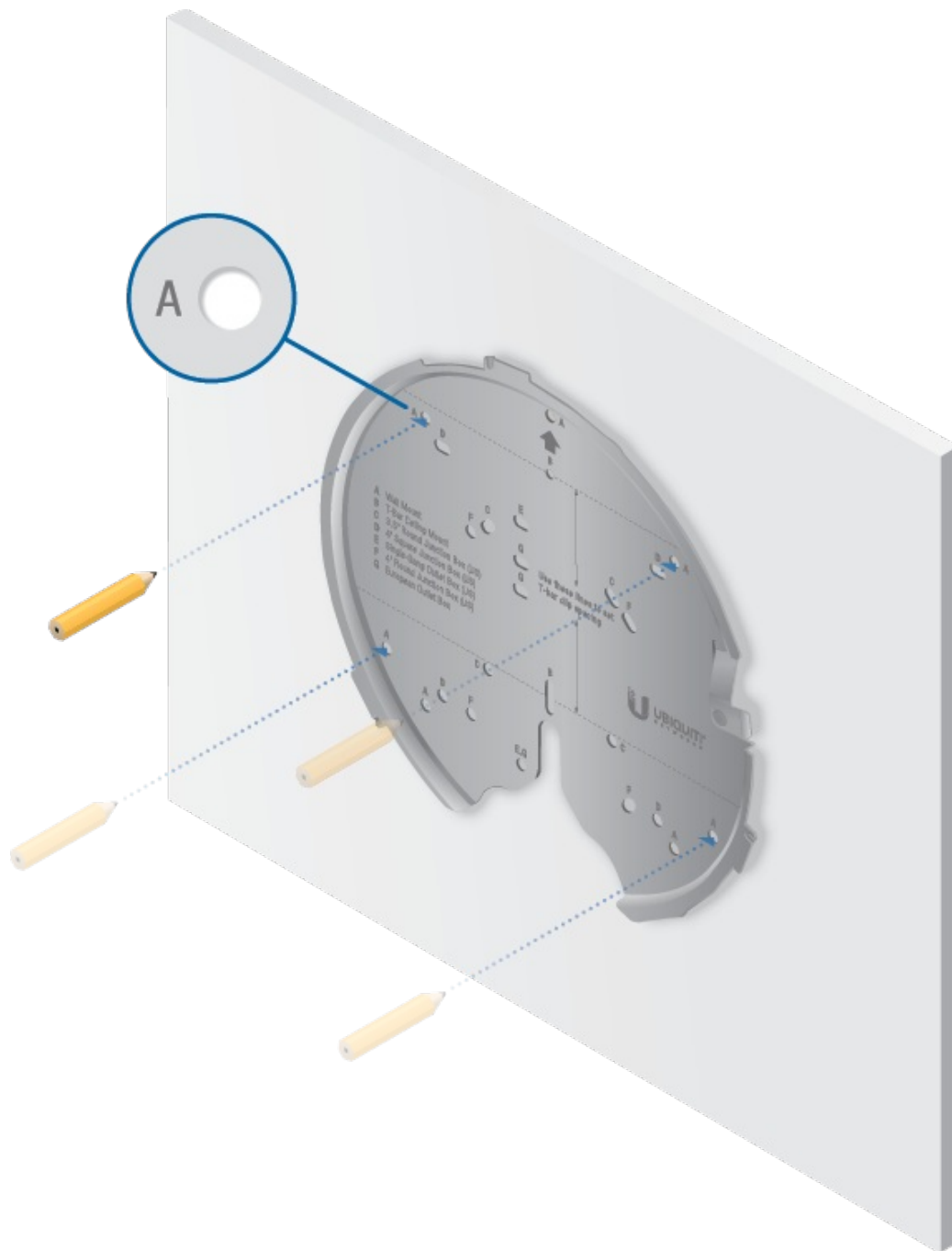


## Wall Mount

1.

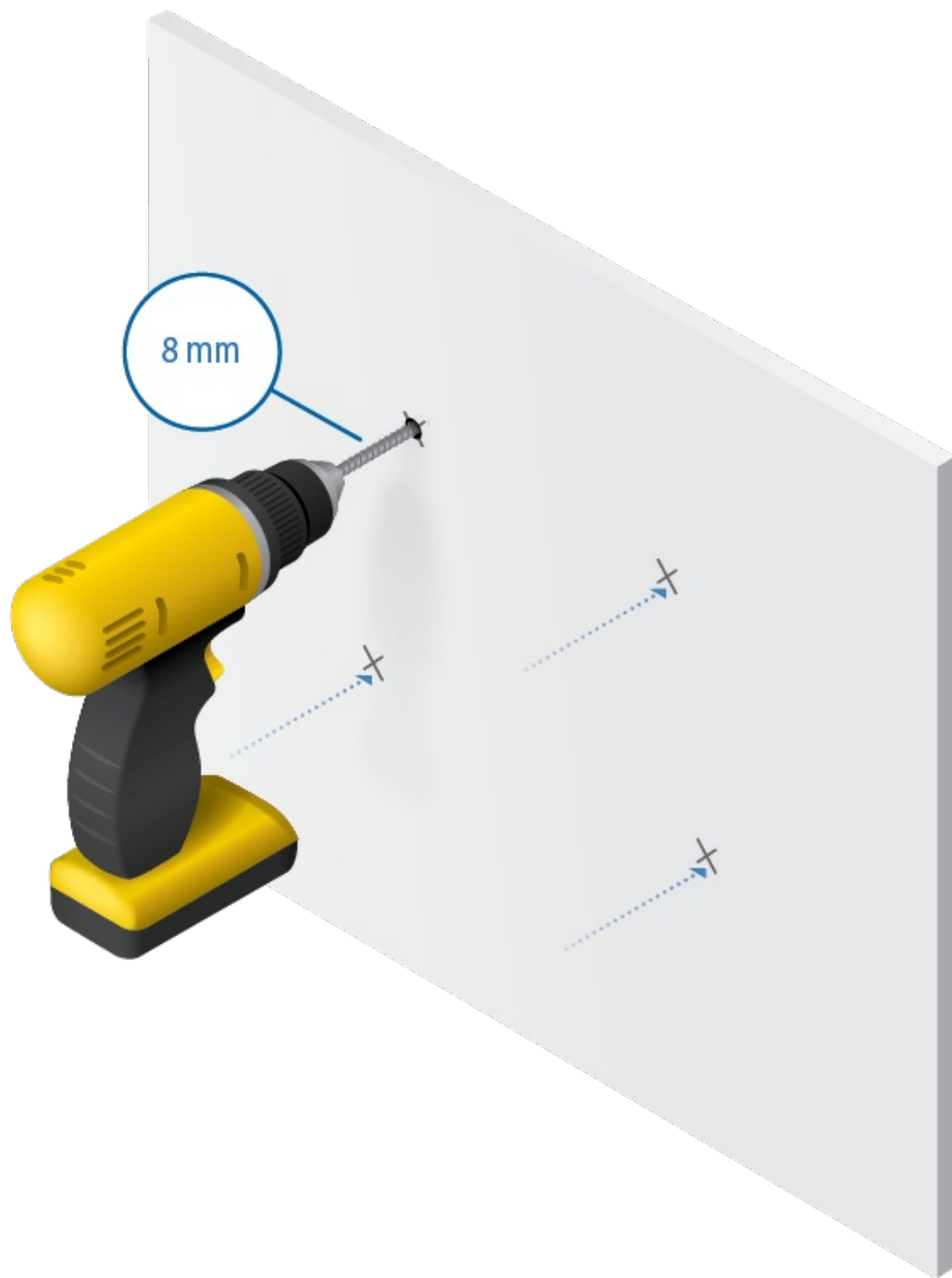


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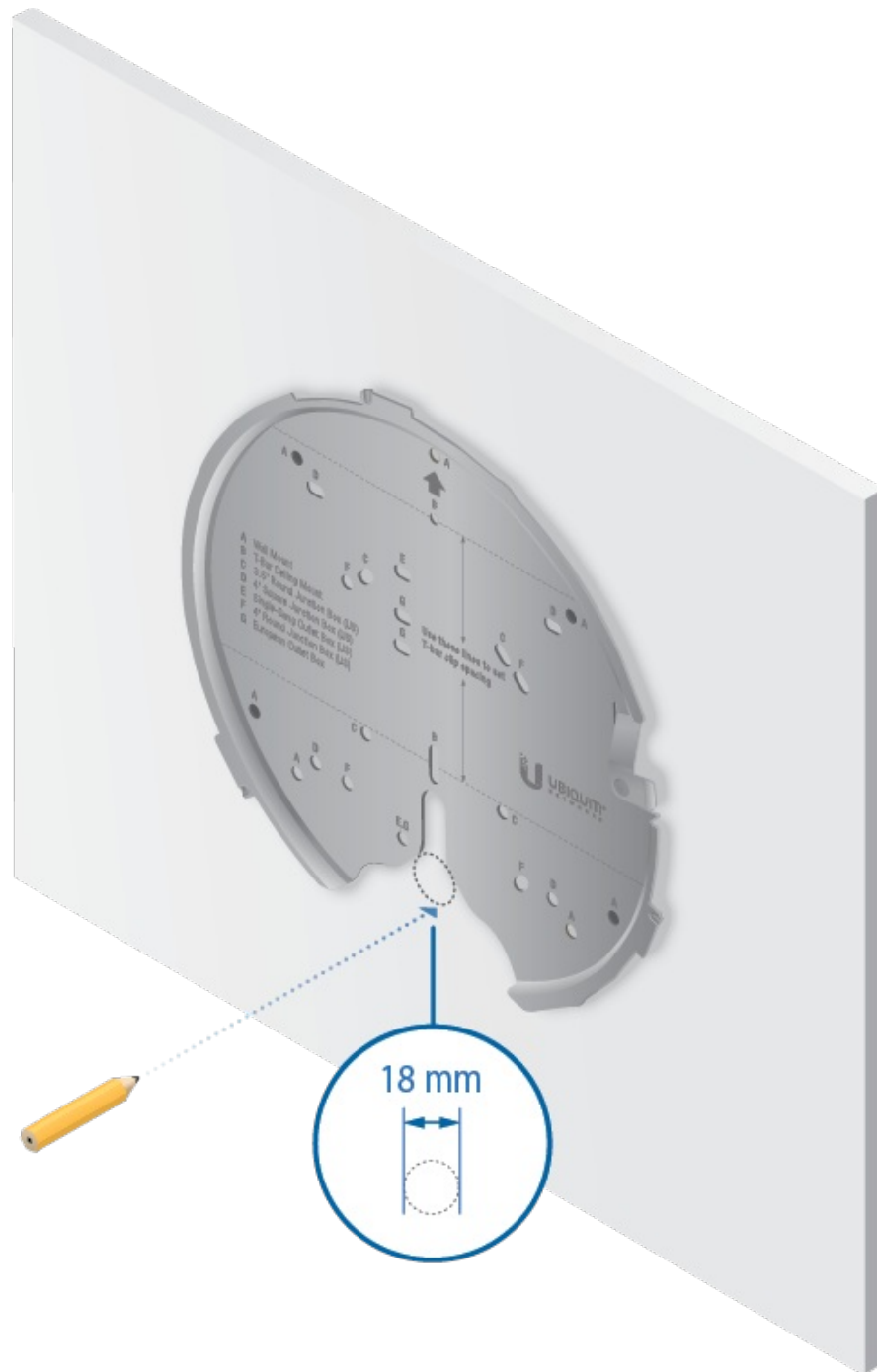


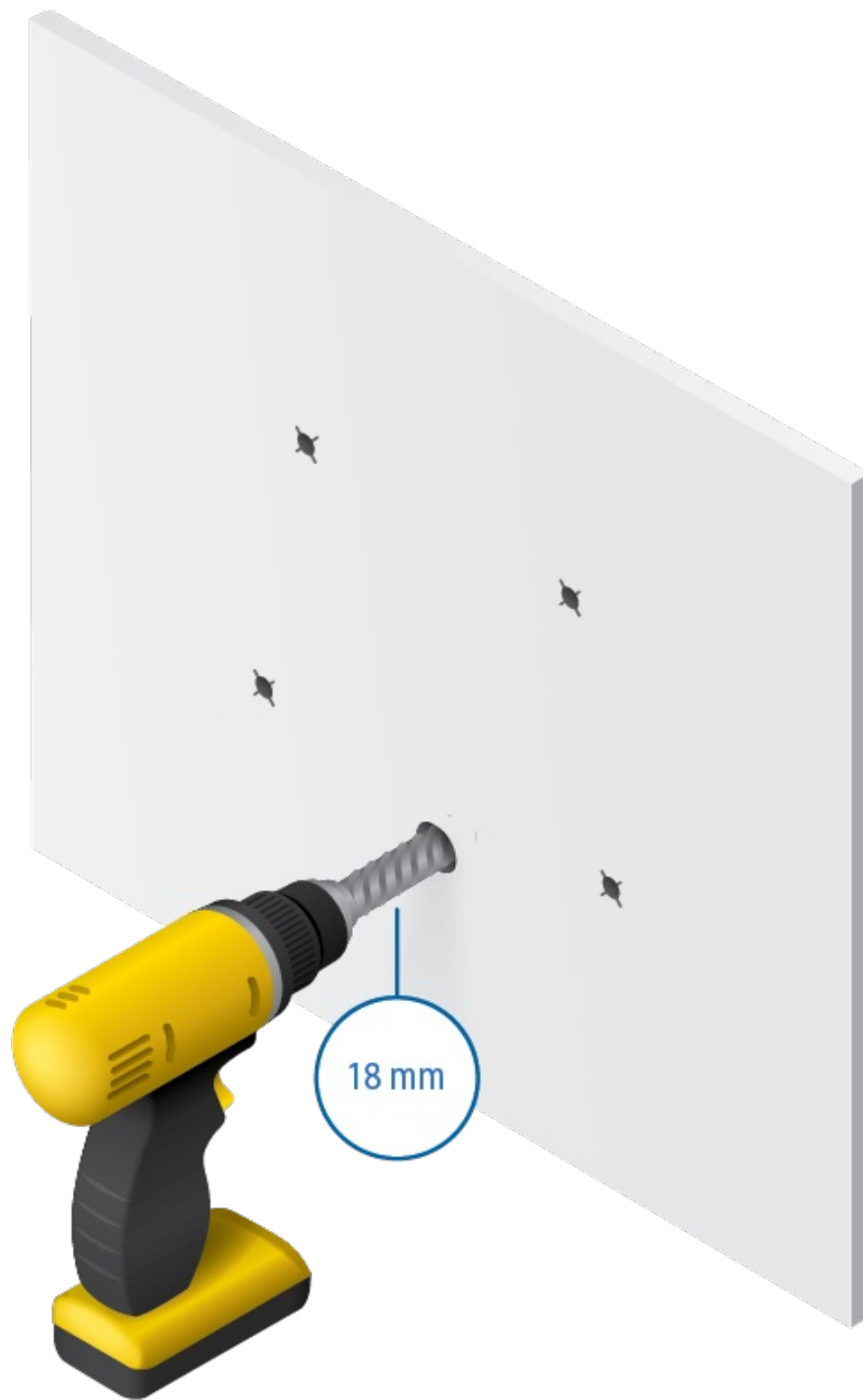


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Optional

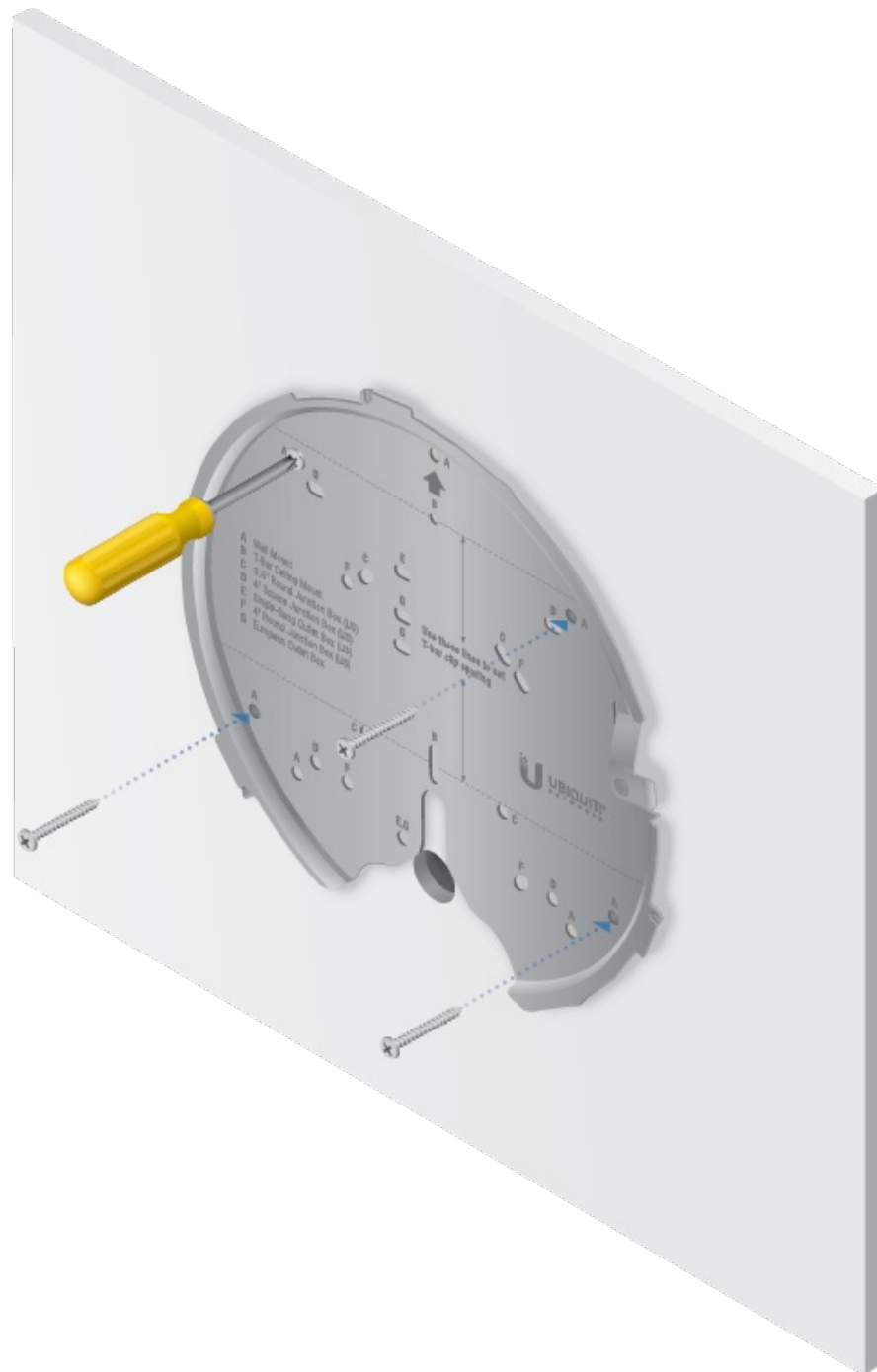




4.



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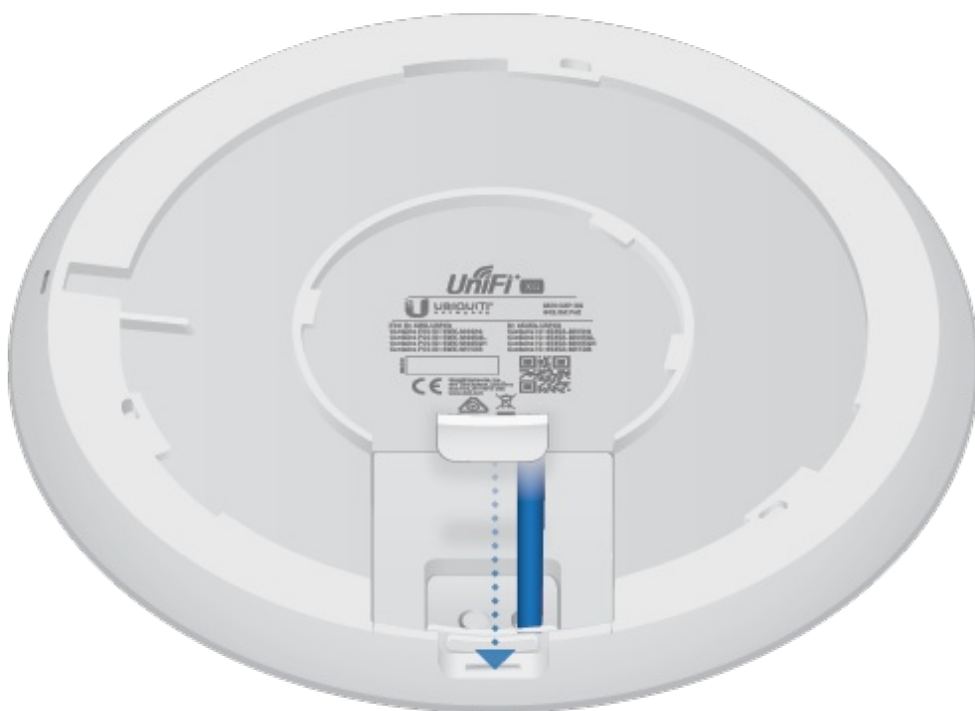
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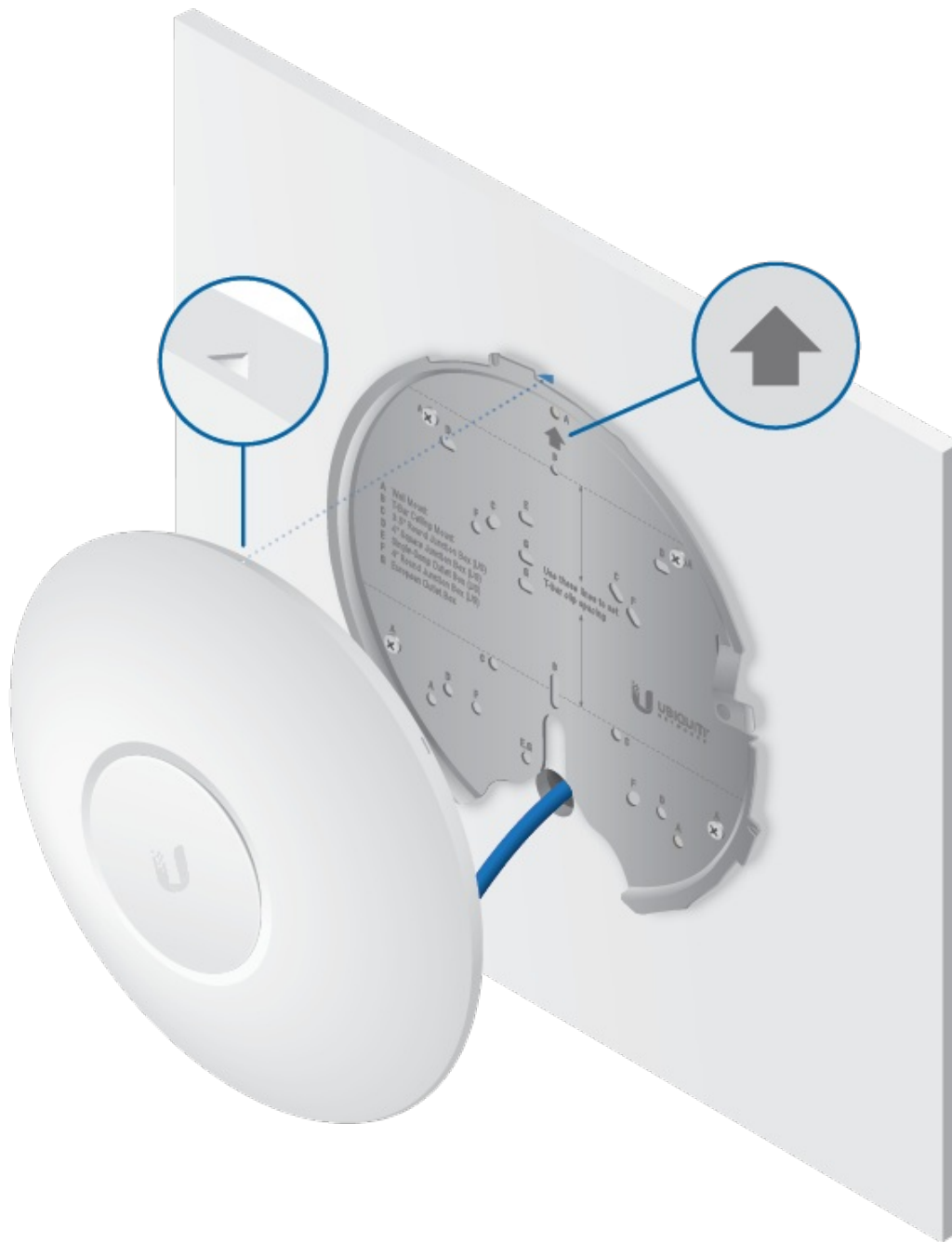


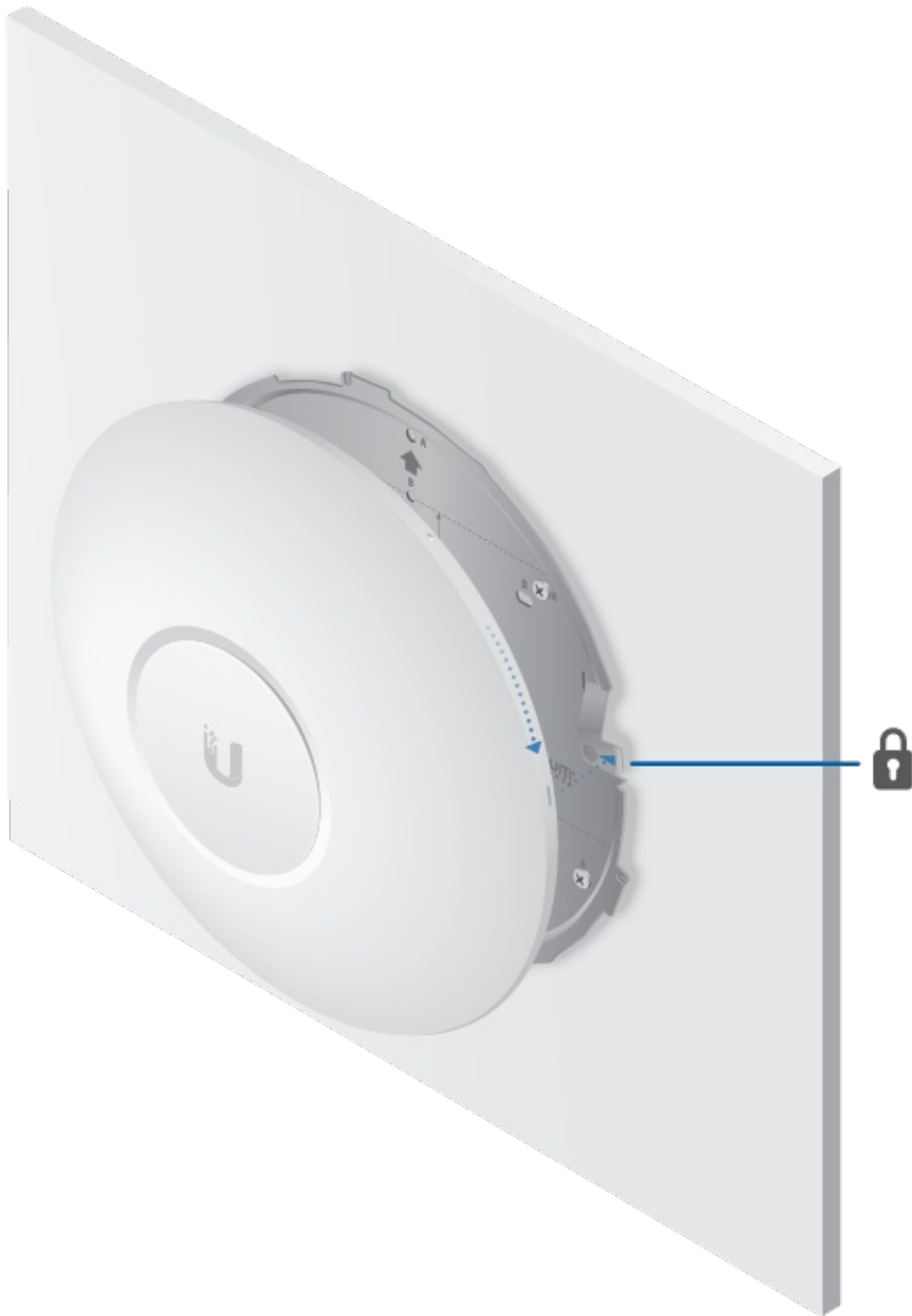
Optional





10.

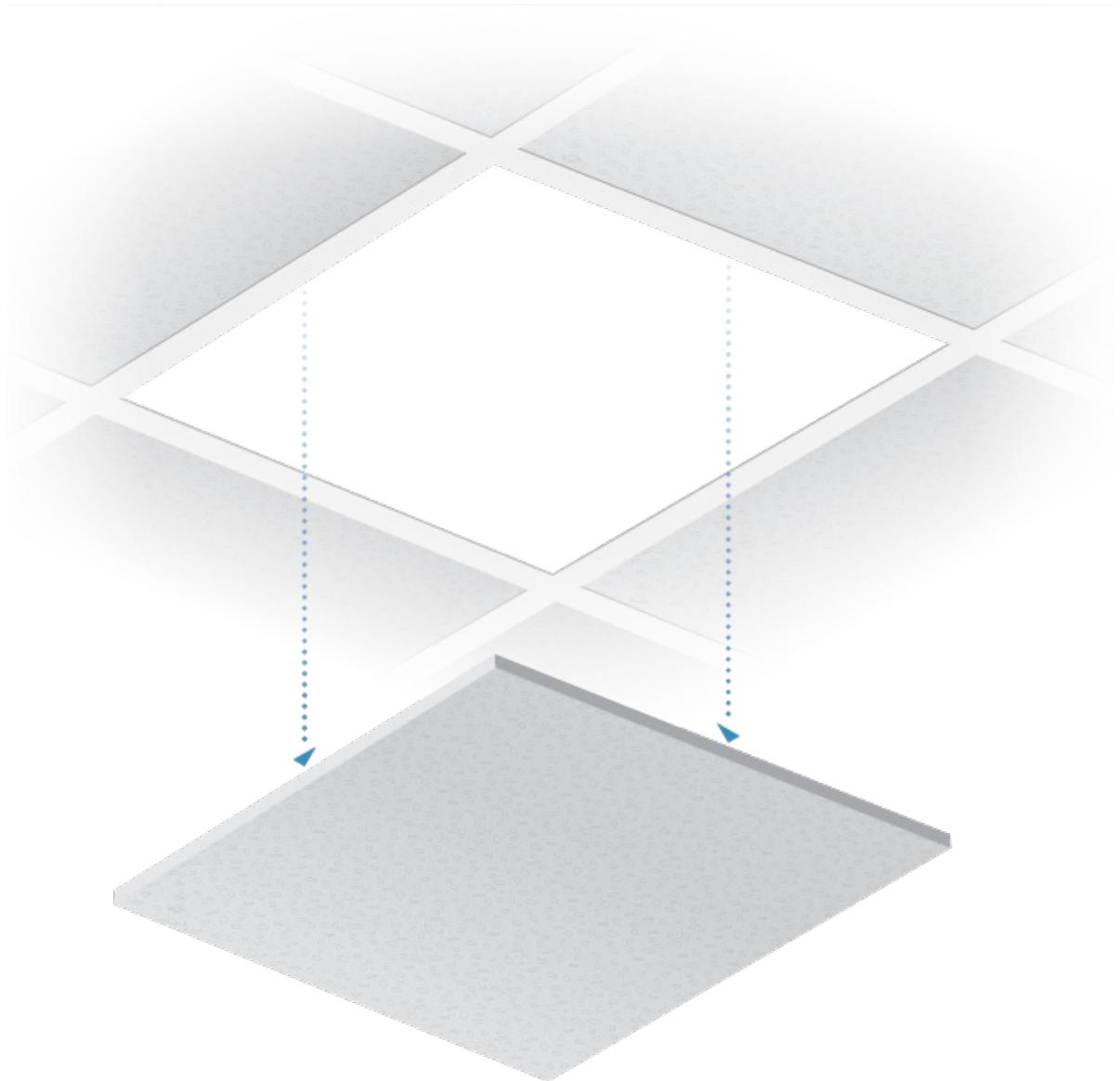




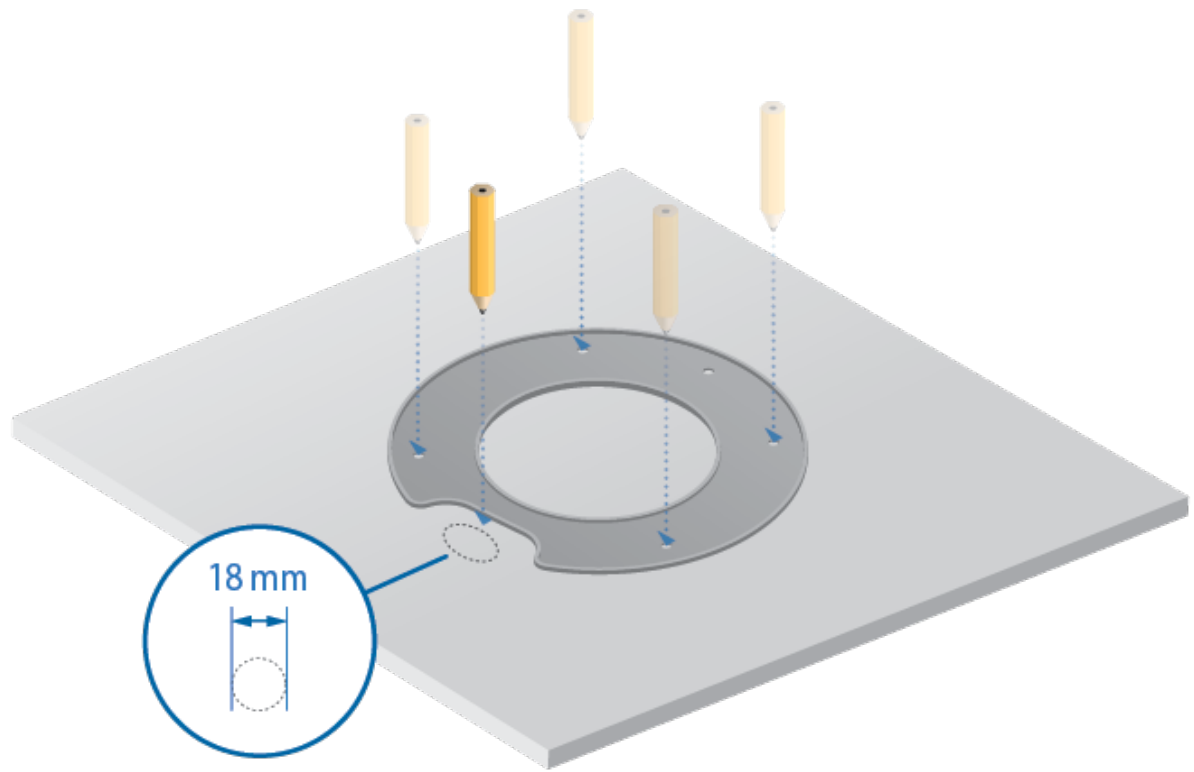
## Ceiling Mount

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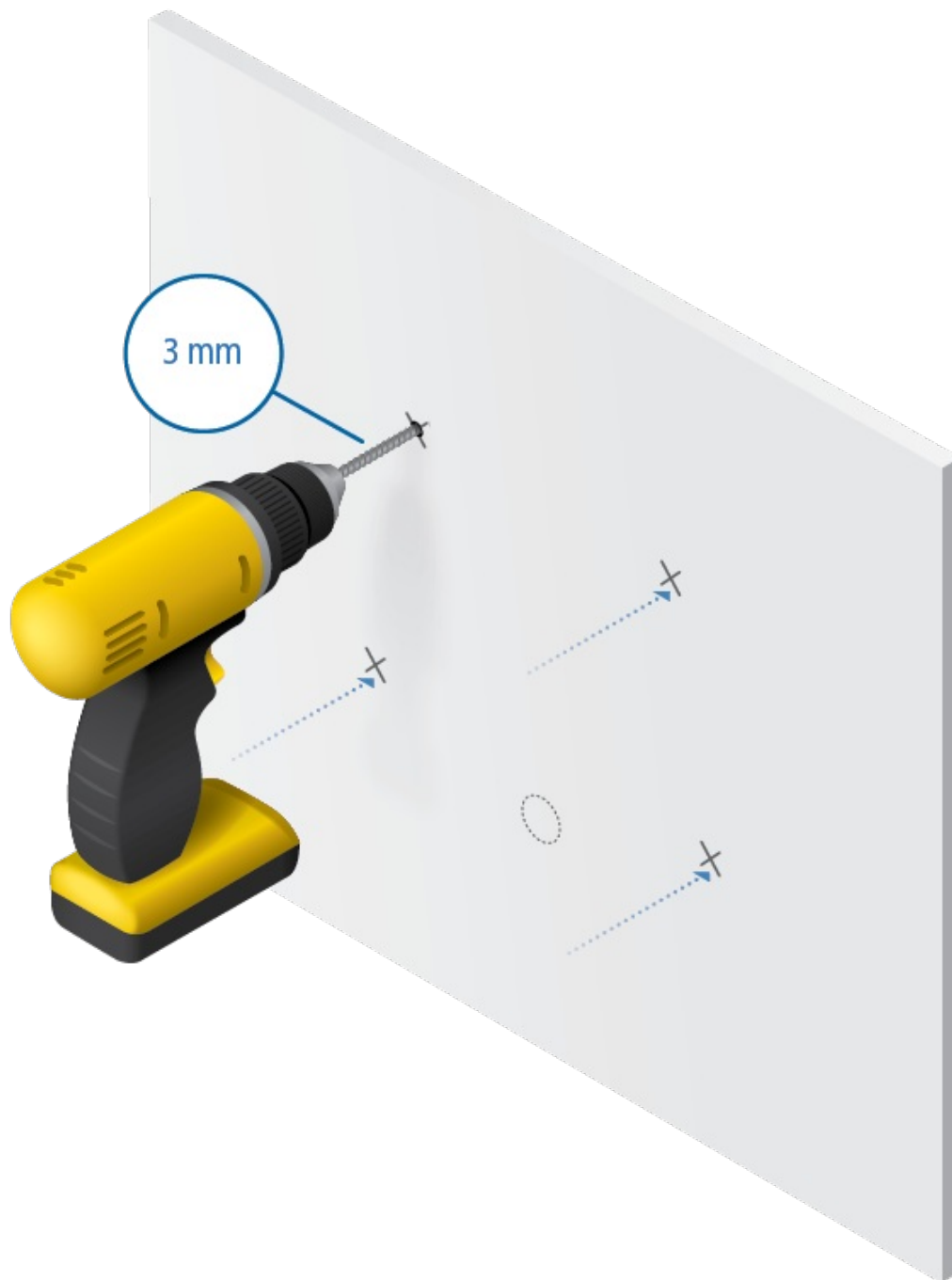
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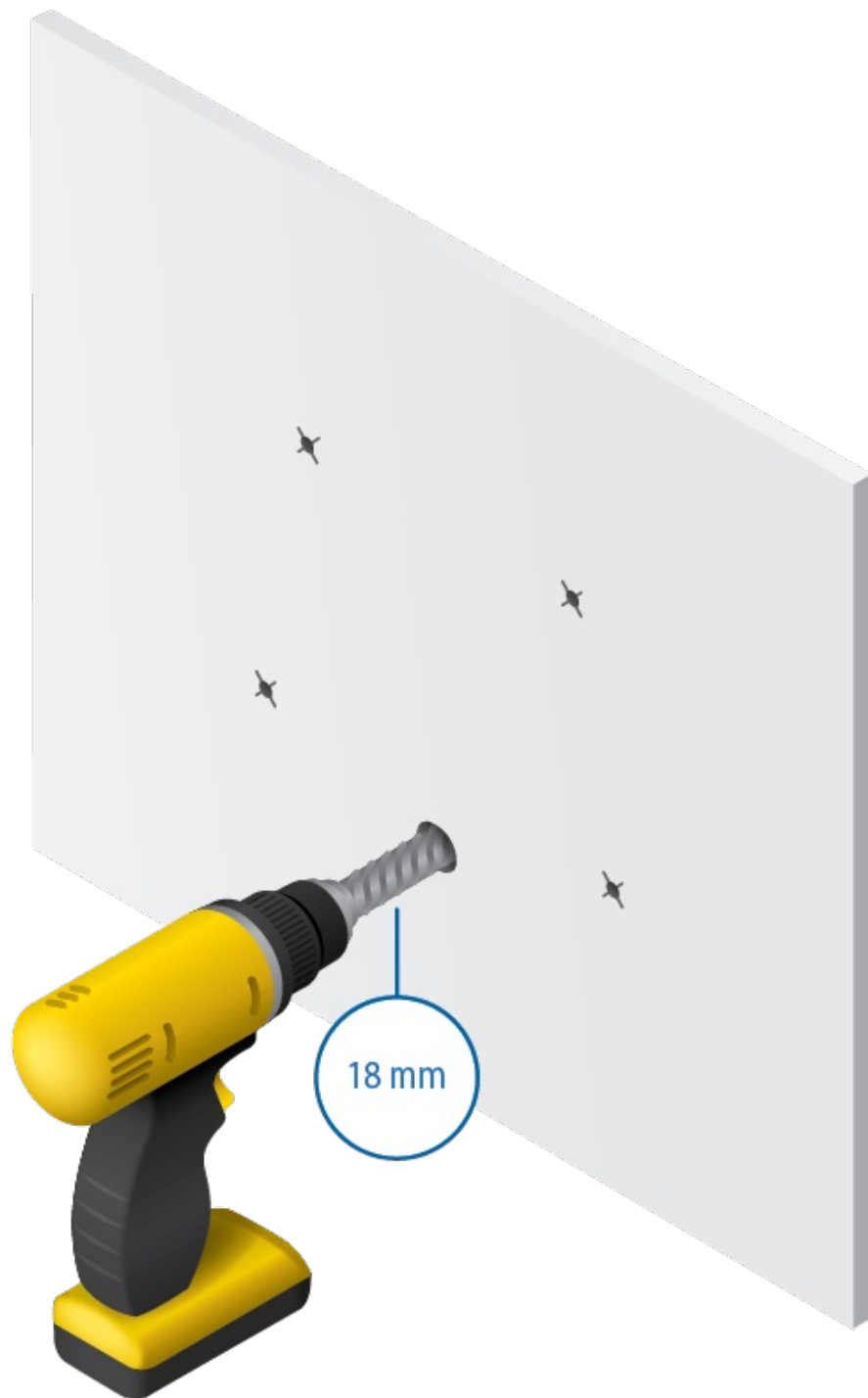
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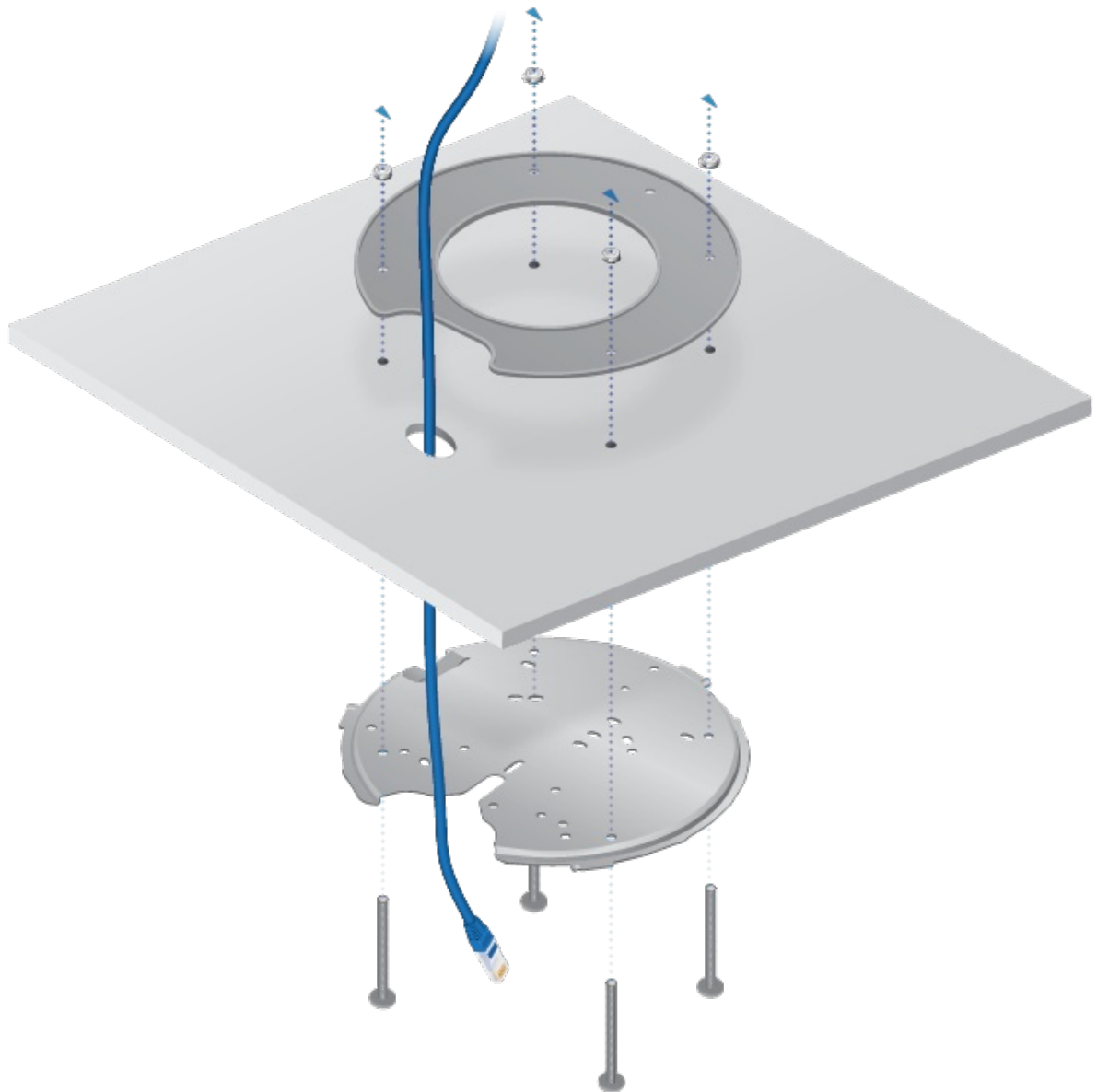
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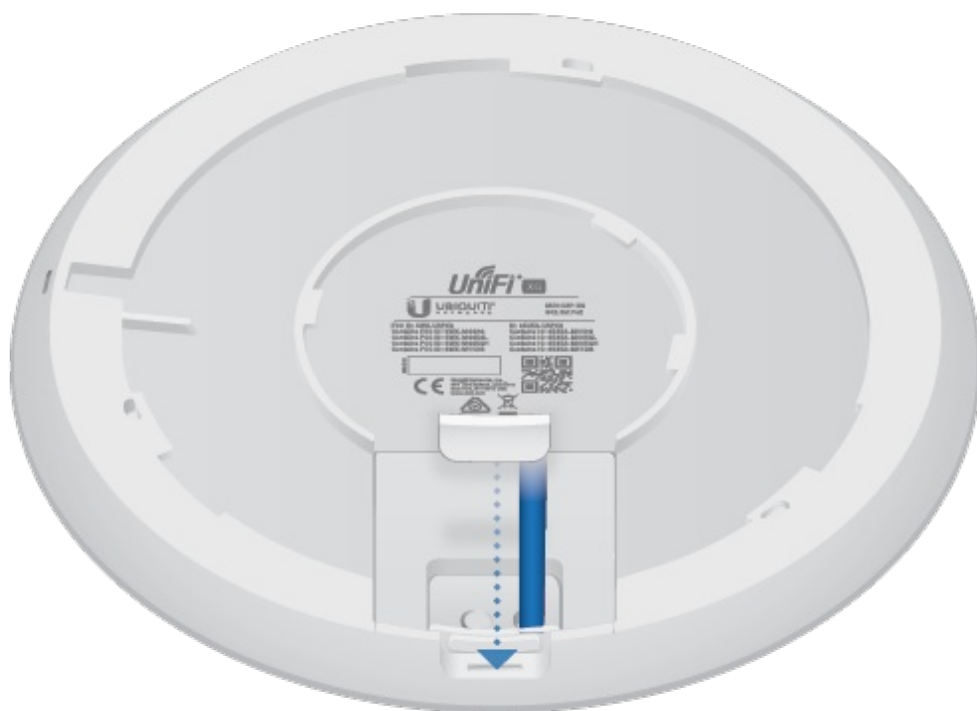
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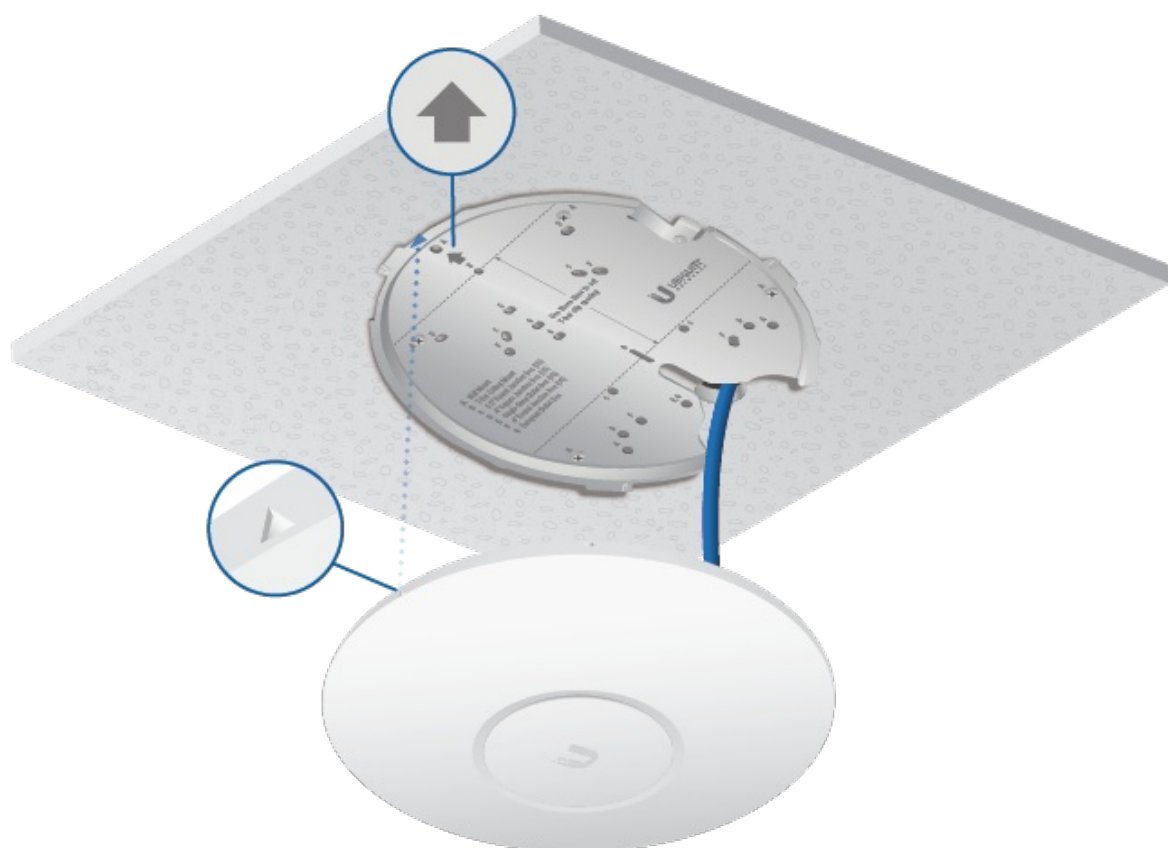
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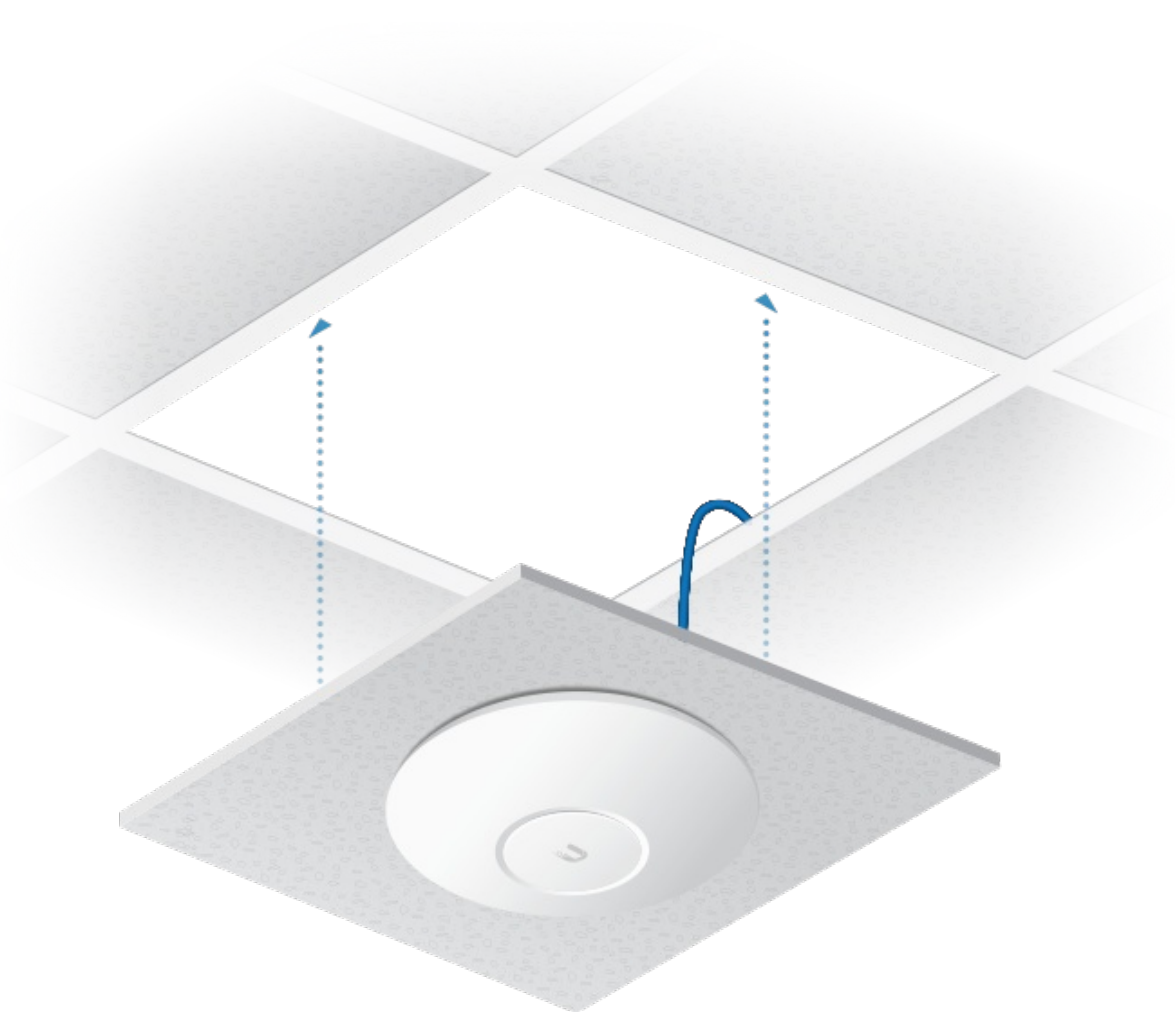
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12.

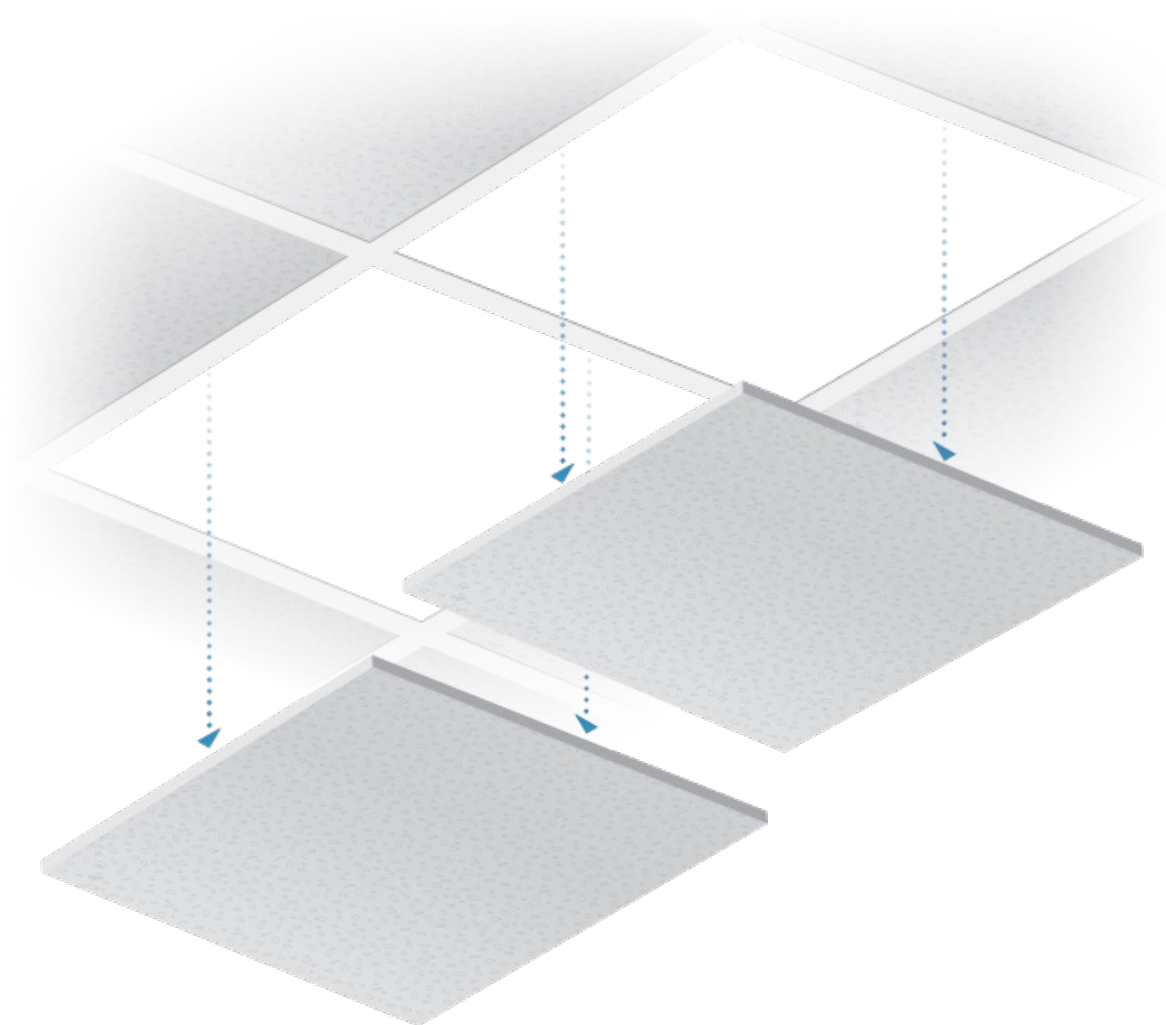


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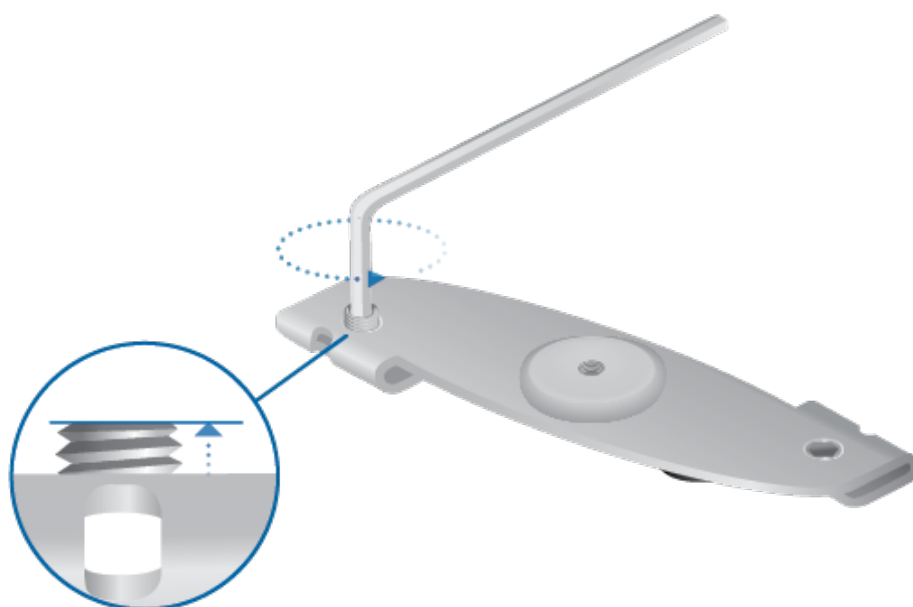


T-Bar Mount

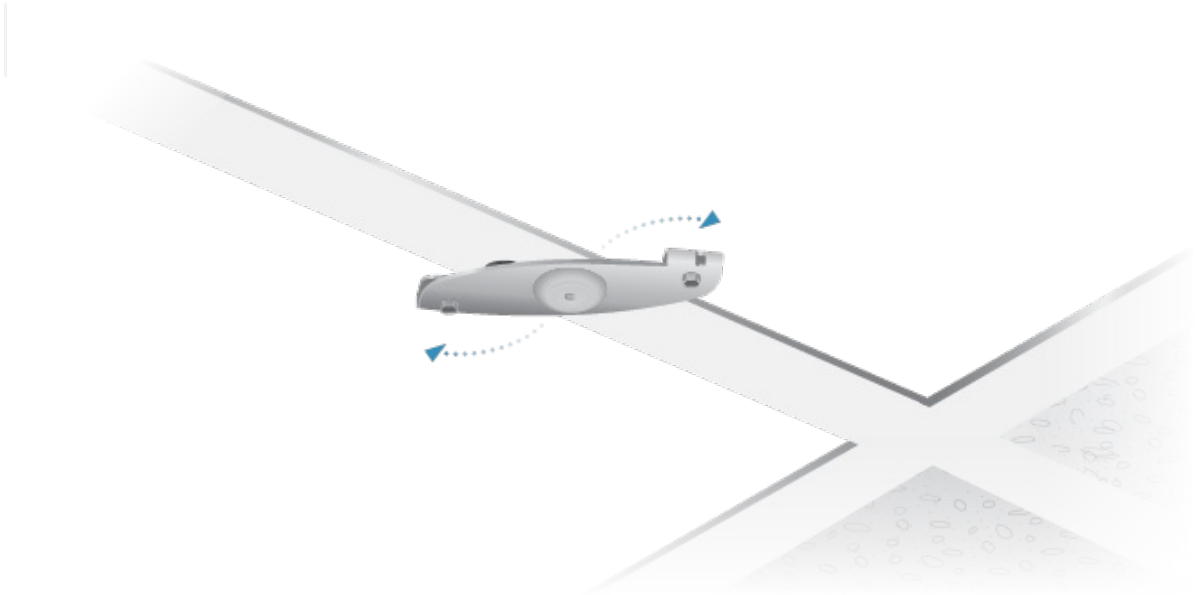
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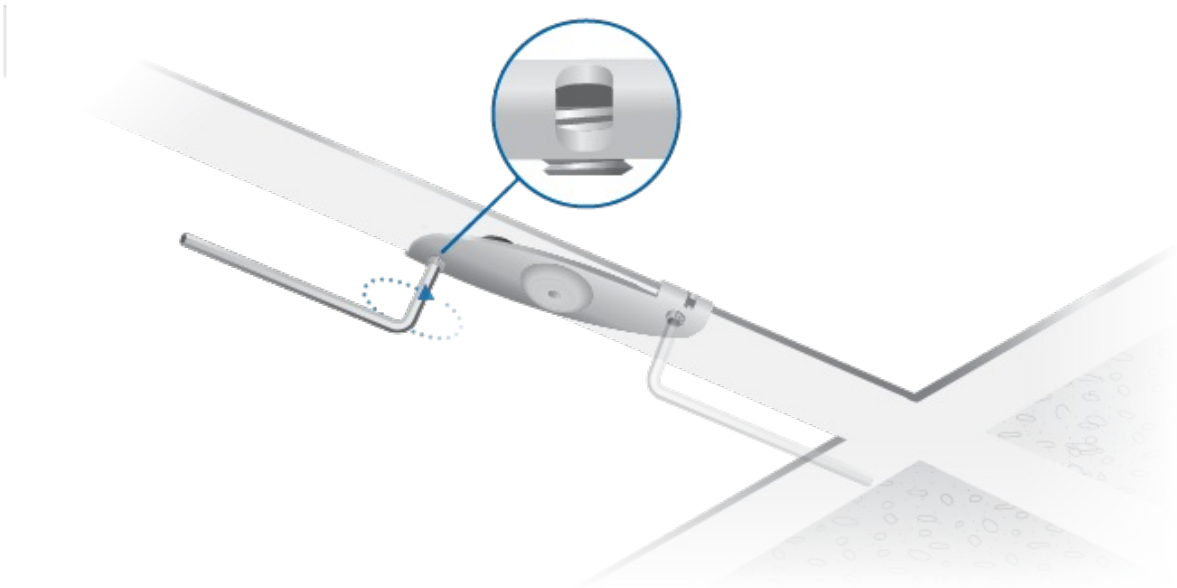
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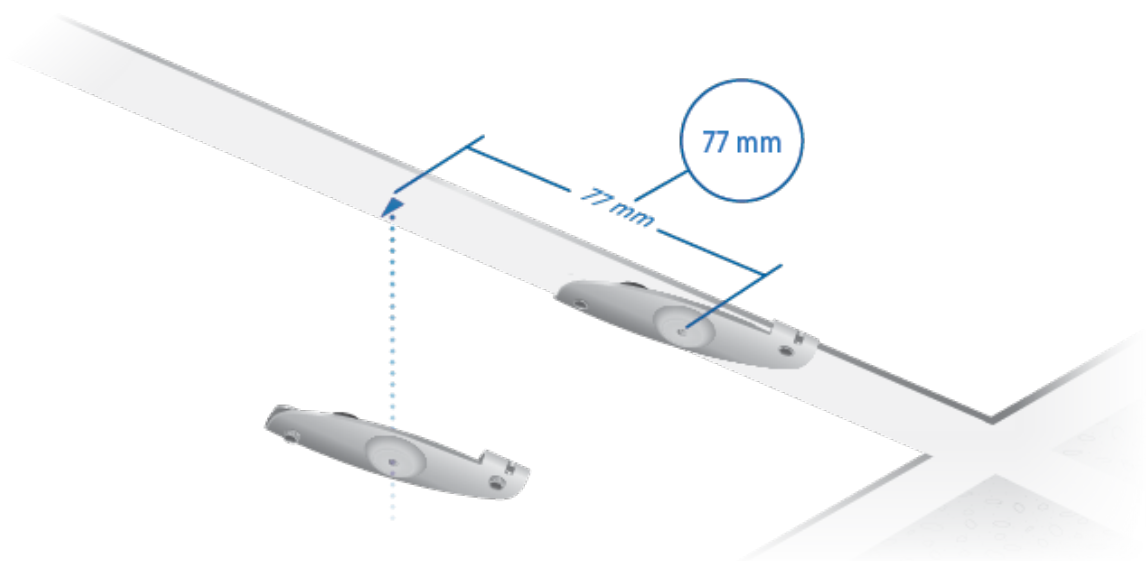
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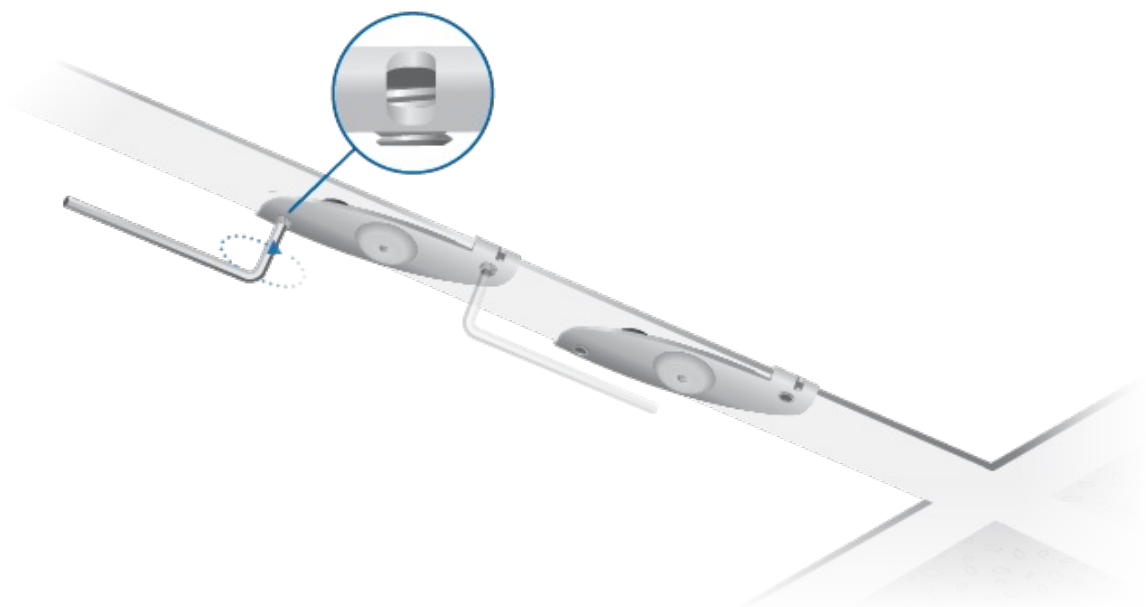
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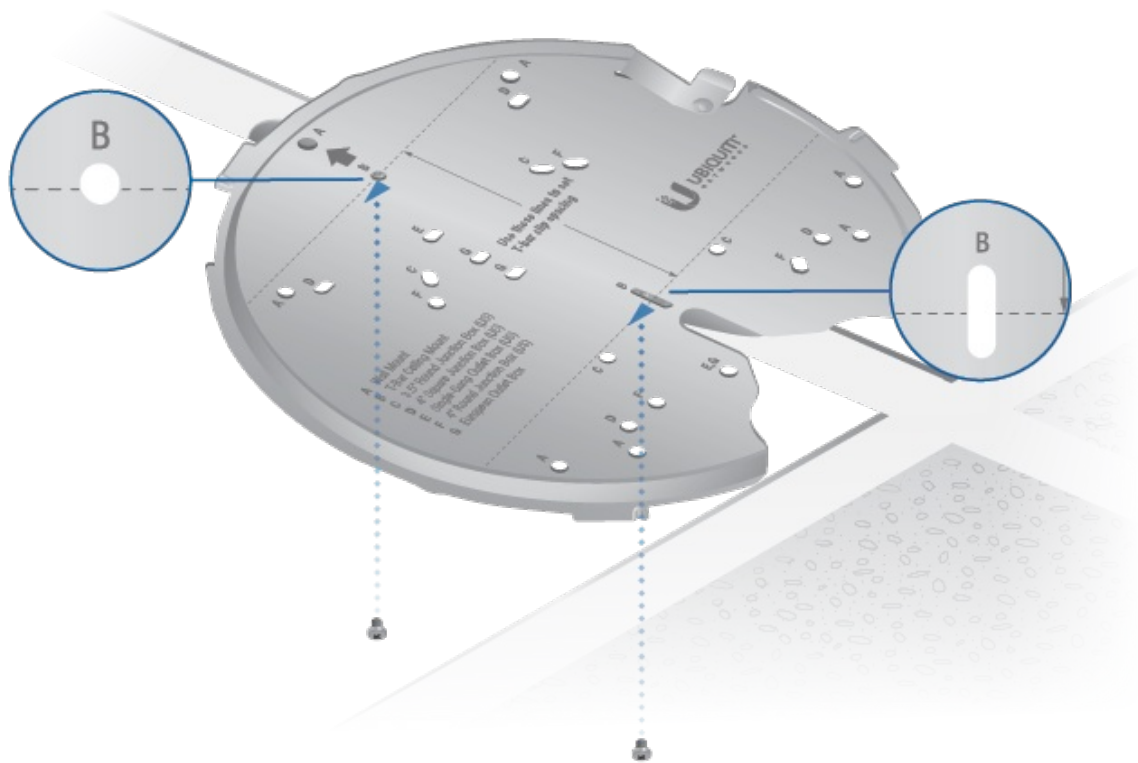
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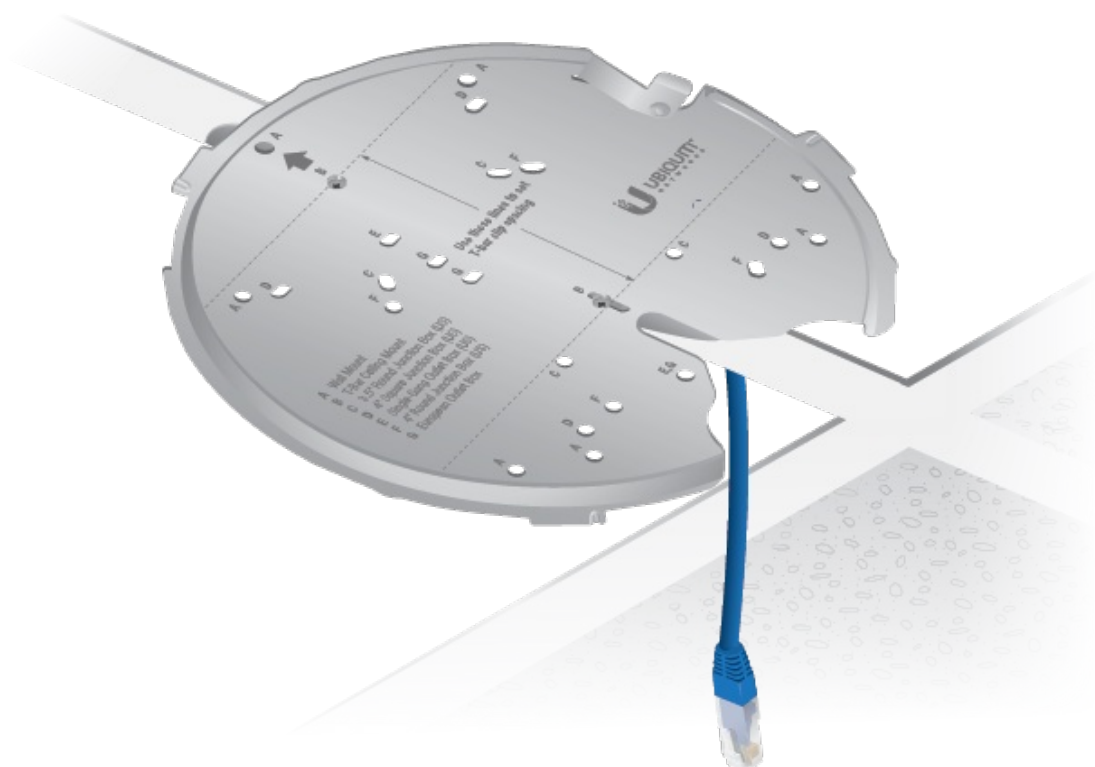
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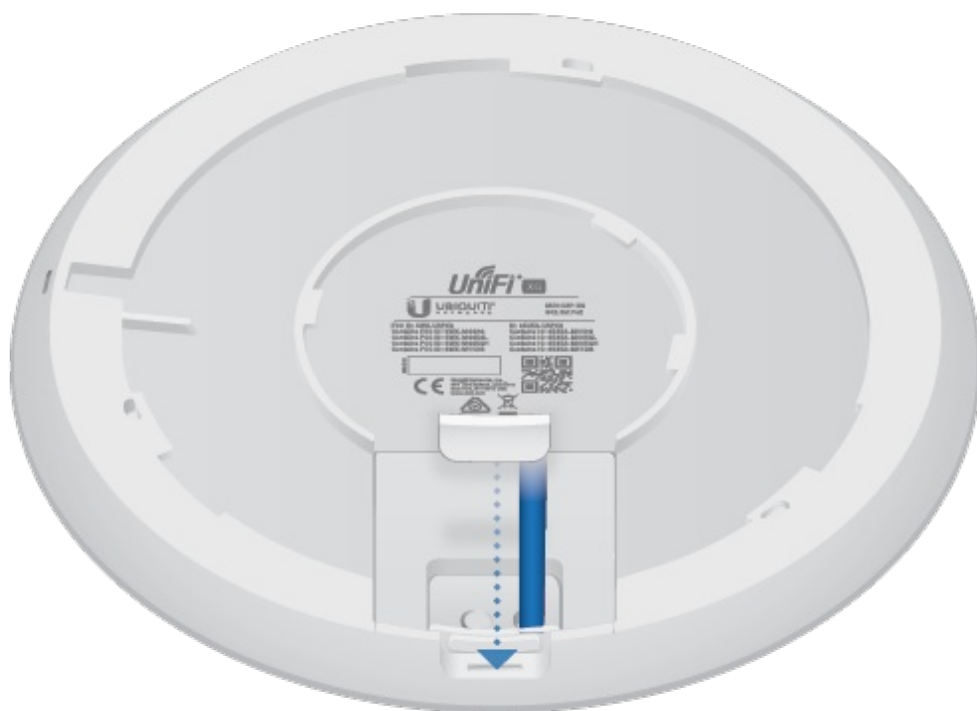
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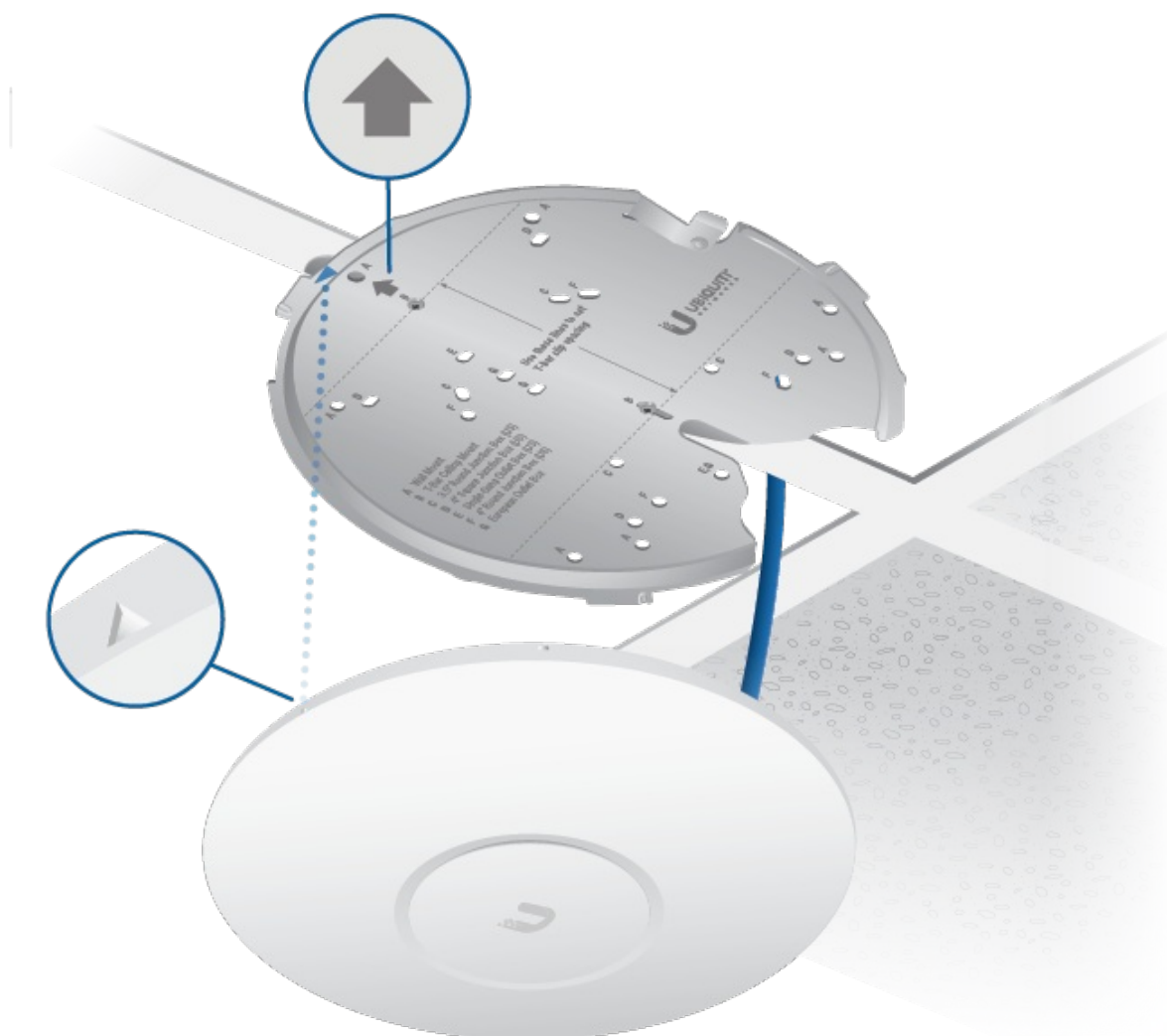
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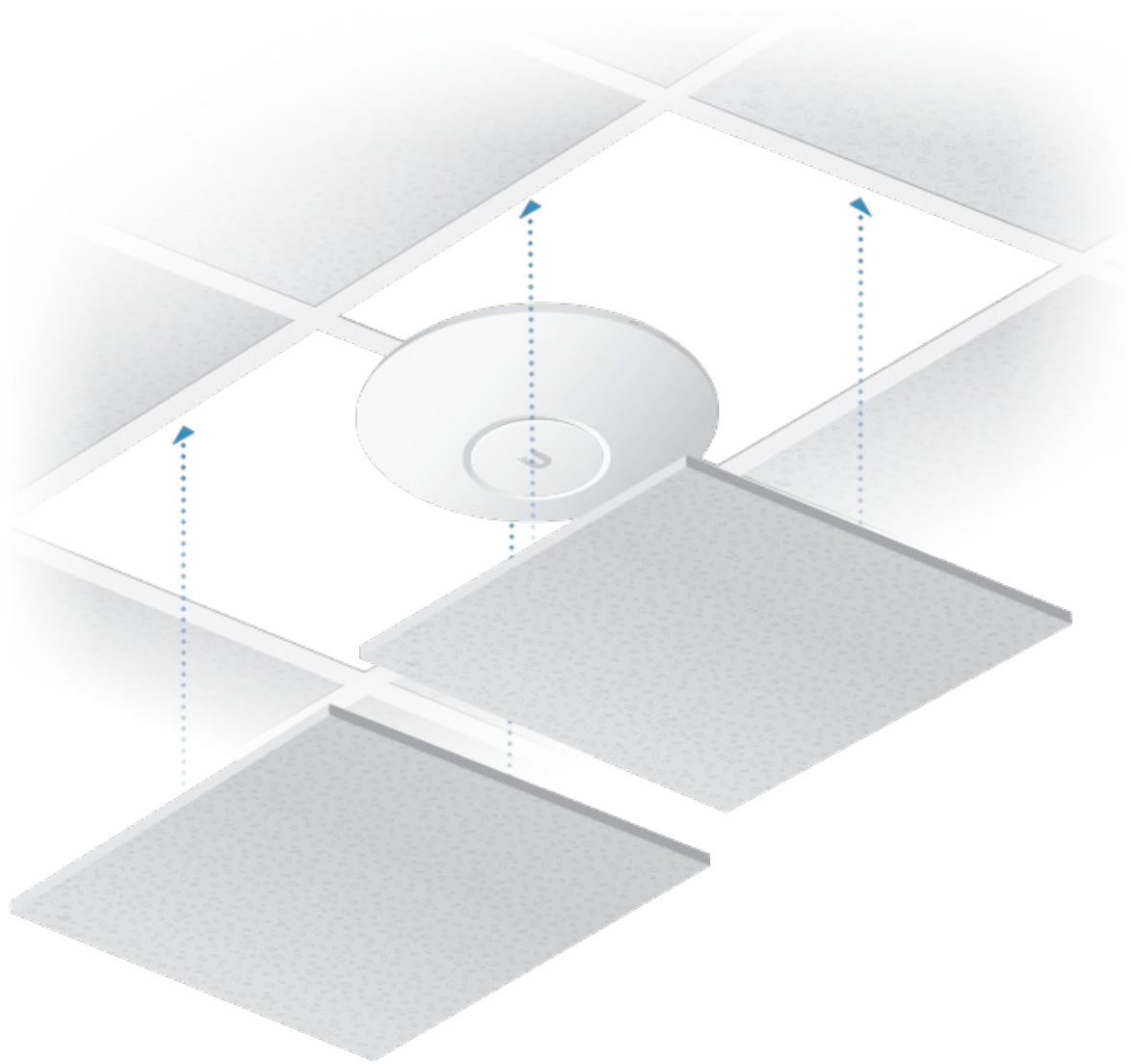
14.



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16.



## Junction or Outlet Box Mount

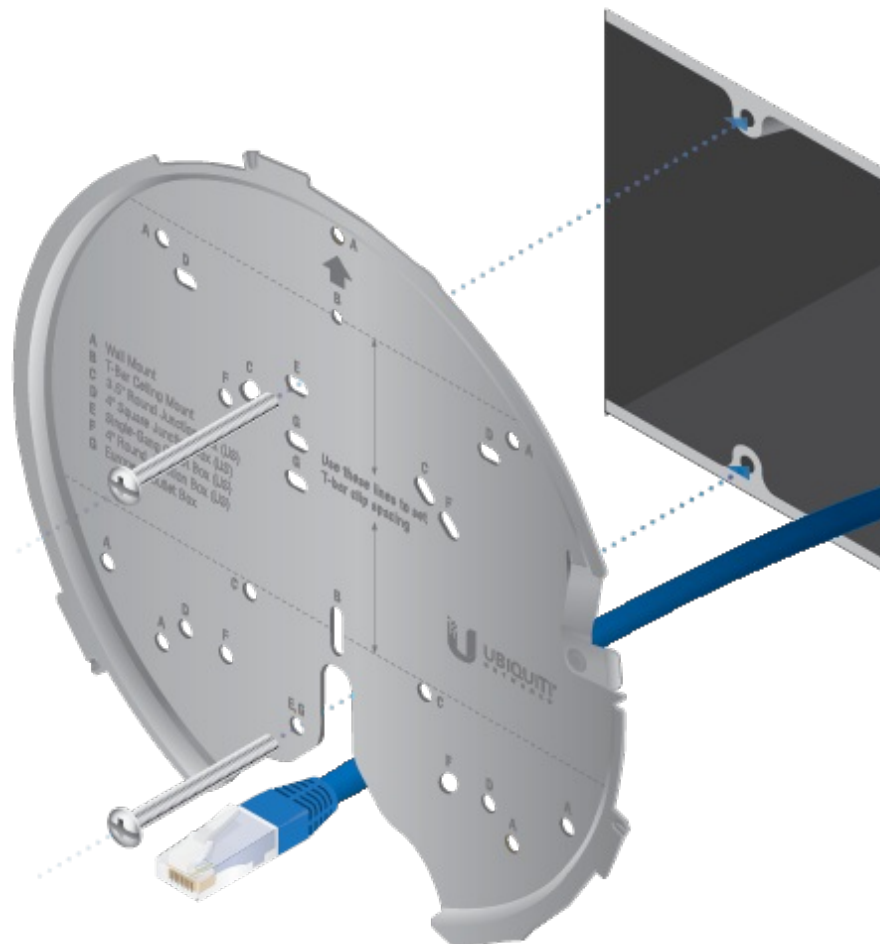
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1. Use the legend printed on the Mounting Plate to select the appropriate mounting holes for your installation.

2. Pull the Ethernet cable through the Mounting Plate, and attach the Mounting Plate to the junction or outlet box using at least two screws (not included).



Note: For in-wall applications, position the Mounting Plate with the Arrow pointing upwards.



3.



4.



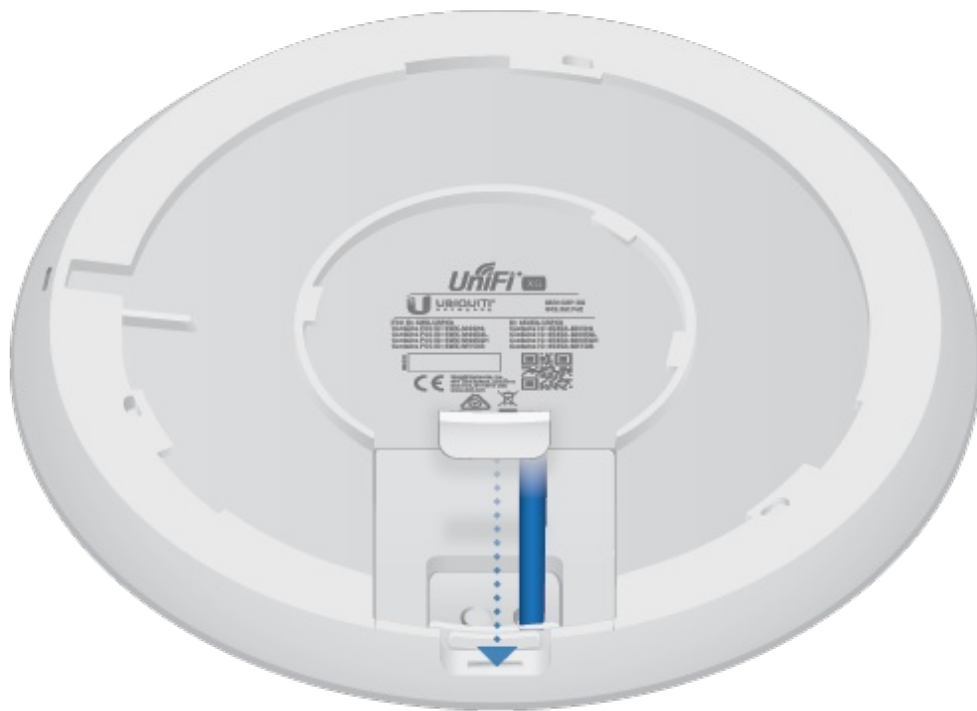
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## Powering the UniFi AP

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Use an 802.3bt PoE switch or a 50V, 1.2A PoE adapter for power.

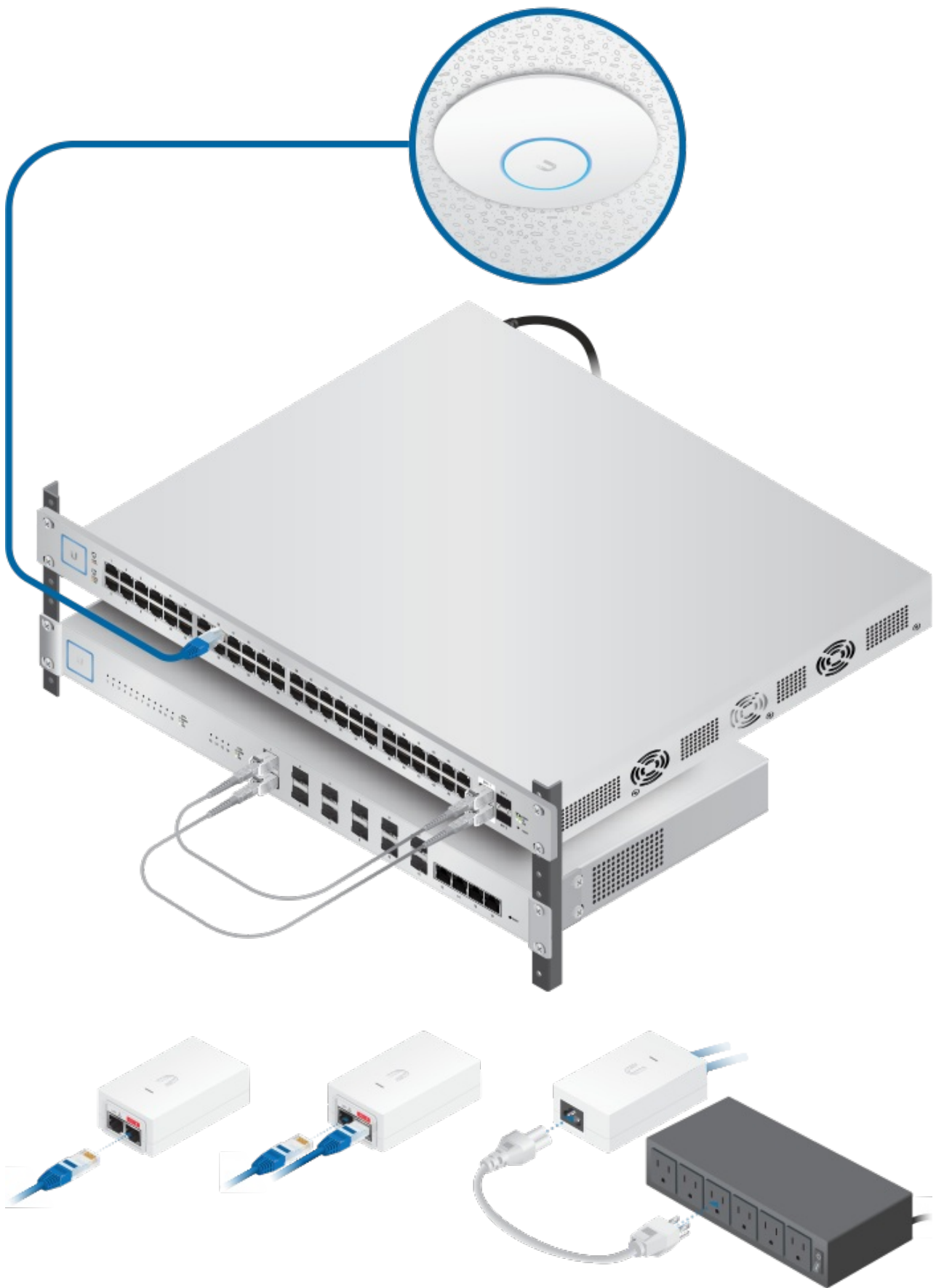


**IMPORTANT:** Using the 10 GbE port requires enabling flow control on the upstream switch port's configuration for maximum performance.

## Connecting to an 802.3bt PoE Switch

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Connect the Ethernet cable from the UAP-XG directly to a PoE port on the switch.



## Specifications

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UAP-XG

|                                                                           |                                                                           |
|---------------------------------------------------------------------------|---------------------------------------------------------------------------|
|                                                                           | 228 x 228 x 50 mm                                                         |
| Dimensions                                                                | (8.98 x 8.98 x 1.97")                                                     |
| Weight                                                                    | 1300 g (2.87 lb)                                                          |
| without Mount                                                             |                                                                           |
| Networking Interface                                                      | (1) 10/100/1000 RJ45 Ethernet Port<br>(1) 1/10 Gbps ICM Ethernet Port     |
| Buttons                                                                   | Reset                                                                     |
| Power Method                                                              | PoE 802.3bt                                                               |
| Power Supply                                                              | 50VDC, 1.2A Gigabit PoE Adapter                                           |
| Max. Power Consumption                                                    | 31W                                                                       |
| Supported Voltage Range                                                   | 44-57VDC                                                                  |
| Operating Frequency                                                       | 2.4 GHz<br>5 GHz                                                          |
| Max. TX Power                                                             | <ul style="list-style-type: none"><li>• 25 dBm</li><li>• 25 dBm</li></ul> |
| <ul style="list-style-type: none"><li>• 2.4 GHz</li><li>• 5 GHz</li></ul> |                                                                           |
| MIMO                                                                      | <ul style="list-style-type: none"><li>• 4 x 4</li><li>• 4 x 4</li></ul>   |
| <ul style="list-style-type: none"><li>• 2.4 GHz</li><li>• 5 GHz</li></ul> |                                                                           |

|                                                                           |                                                                               |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| <b>Radio Rates</b>                                                        | <ul style="list-style-type: none"><li>• 800 Mbps</li><li>• 1.7 Gbps</li></ul> |
| <ul style="list-style-type: none"><li>• 2.4 GHz</li><li>• 5 GHz</li></ul> |                                                                               |
| <b>Antenna</b>                                                            | Integrated Internal Antenna                                                   |
| <b>Antenna Gain</b>                                                       | <ul style="list-style-type: none"><li>• 6 dBi</li><li>• 8 dBi</li></ul>       |
| <ul style="list-style-type: none"><li>• 2.4 GHz</li><li>• 5 GHz</li></ul> |                                                                               |
| <b>Wi-Fi Standards</b>                                                    | 802.11 a/b/g/n/ac/ac-wave2                                                    |
| <b>Wireless Security</b>                                                  | WEP, WPA-PSK,<br>WPA-Enterprise (WPA/WPA2, TKIP/AES)                          |
| <b>Mounting</b>                                                           | Wall/Ceiling/Junction Box (Kits<br>Included)                                  |
| <b>Operating Temperature</b>                                              | -10 to 60° C (14 to 140° F)                                                   |
| <b>Operating Humidity</b>                                                 | 5 to 95% Noncondensing                                                        |
| <b>Certifications</b>                                                     | CE, FCC, IC                                                                   |

## Declaration of Conformity