



Wireless Service

Access Point Mounting Options

Version 1.2
November 12, 2015

The purpose of this document is to identify and illustrate which access point brackets are included in the Wireless Service along with mounting instructions.

Wireless Service Access Point Mounting Options

Contents

| | |
|--|---|
| Mounting Brackets Included with Wireless Service..... | 1 |
| Mounting Bracket Options..... | 1 |
| Ceiling Mounting Bracket AIR-AP-BRACKET-1 | 1 |
| Ceiling Grid Clips | 2 |
| Wall mounting bracket AIR-AP-BRACKET-2 | 3 |
| Mounting Bracket Instructions | 4 |
| Mounting Access Point below a suspended ceiling..... | 4 |
| Mounting Access Point on Hard Ceiling or a Wall | 4 |
| Mounting an Access Point to a Network or Electrical Box..... | 6 |
| Securing an Access Point..... | 6 |
| References | 7 |

Document History

| Version Number | Date | Brief Description |
|----------------|------------|--|
| V.1 | 10/1/2014 | Initial Version |
| V.1.1 | 5/4/2015 | Added locks referenced in Cisco's Deployment Guide to the "Securing an Access Point" section of this document. |
| V.1.2 | 11/12/2015 | Branded with WaTech |

Mounting Brackets Included with Wireless Service

Cisco Aironet 2702 series access points can be mounted in several configurations, including on a suspended ceiling, on a hard ceiling or wall, on an electrical or network box, and above a suspended ceiling.

Mounting Bracket Options

During the planning process the customer will identify one of two brackets (but not both). If no bracket is identified then the default is AIR-AP-BRACKET-1 (popular for ceiling installations).

Ceiling Mounting Bracket AIR-AP-BRACKET-1



AIR-AP-BRACKET-1 is recommended for mounting to access points to ceiling grid work. When mounting the bracket to the ceiling grid work, some ceiling tiles are recessed. For this reason, two different styles of ceiling clips, recessed and flush rails are available.

Wireless Service Access Point Mounting Options

Ceiling Grid Clips

You use a ceiling grid clip to mount an access point on a suspended ceiling. The ceiling grid clip that you need depends on the ceiling tiles on your ceiling.

Recessed Ceiling Grid Clip (AIR-AP-T-RAIL-R)



If the ceiling tiles hang below the ceiling grid, this clip provides the best fit between the AP and the ceiling.

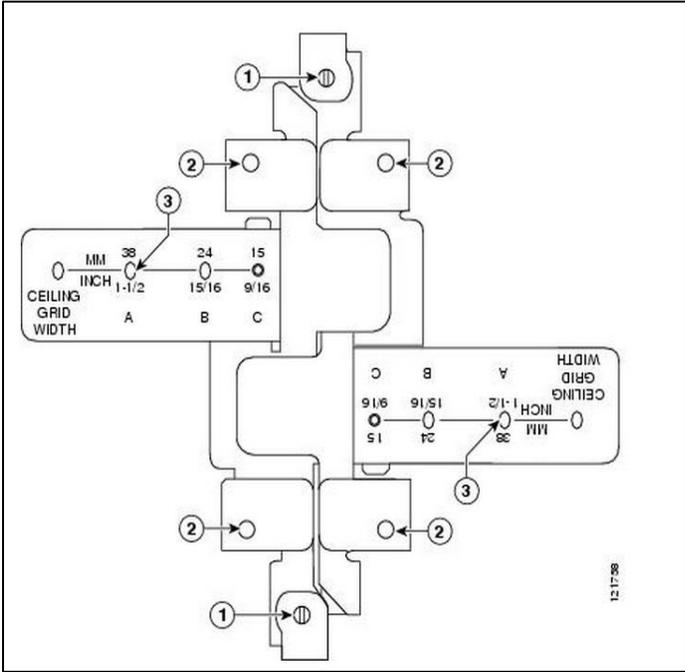
Flushed Ceiling Grid Clip (AIR-AP-T-RAIL-F)



If the ceiling tiles are flush with the ceiling grid, this clip provides a snug fit between the AP and the ceiling.

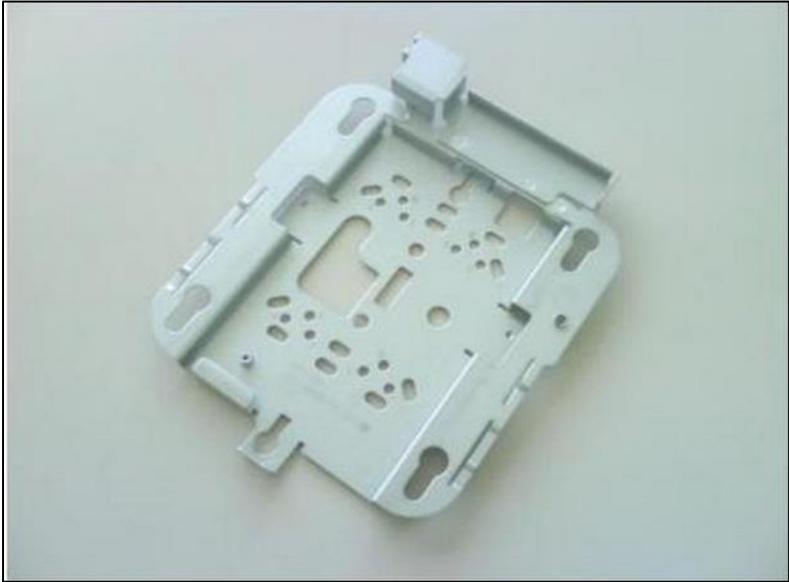
Wireless Service Access Point Mounting Options

Figure of a Ceiling Grid Clip



| | | | |
|---|---------------------|---|----------------------------------|
| 1 | Locking Screws | 3 | T-rail width detents (A,B, or C) |
| 2 | Bracket screw holes | | |

Wall mounting bracket AIR-AP-BRACKET-2



This bracket is recommended for mounting to wall, electrical box, or inside an enclosure. Extra space in the bracket allows for wiring.

Mounting Bracket Instructions

Mounting Access Point below a suspended ceiling

Required Mounting Hardware: AIR-AP-BRACKET-1 with one of the two ceiling clips; AIR-AP-T-RAIL-R or AIR-AP-T-RAIL-F.

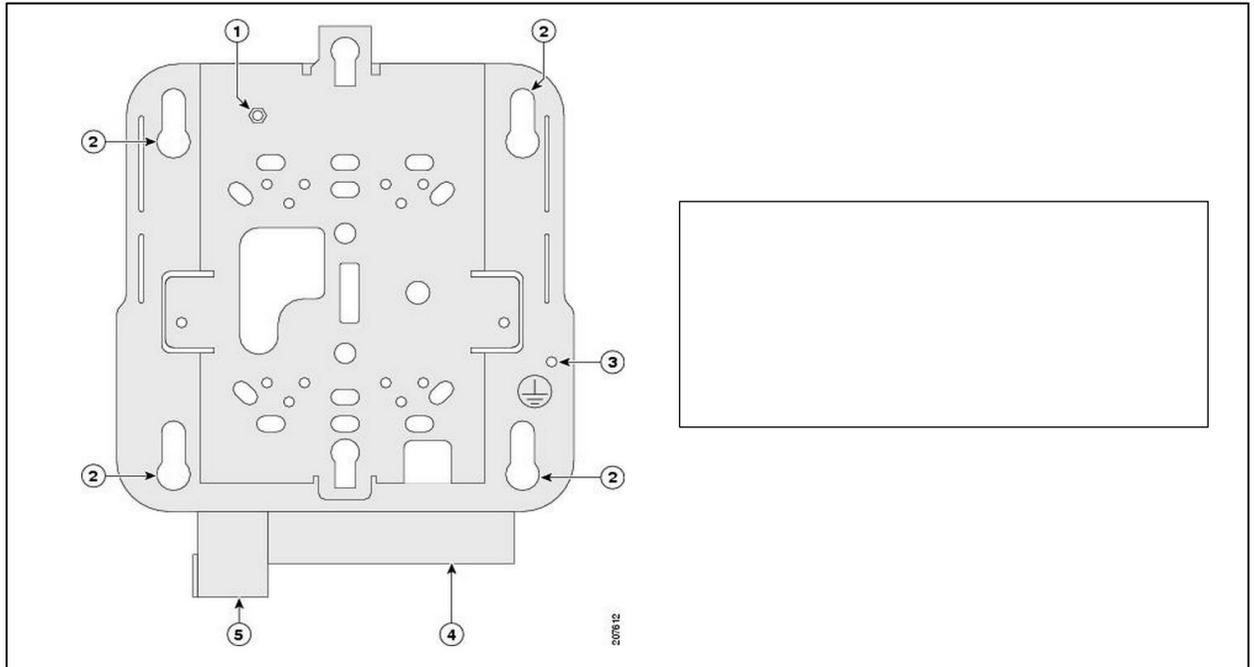
- Step 1** Open the ceiling grid completely.
- Step 2** Place the Ceiling grid clip over the T-rail and close it to the appropriate detent (A,B, or C)
- Step 3** Use a screwdriver to tighten the two ceiling grid clip locking screws to prevent the clip from sliding along the T-rail.
- Step 4** Observe the ceiling grid clip width detent letter (A, B, or C) that corresponds to the T-rail width.
- Step 5** Align the corresponding holes (A, B, or C) on the mounting bracket over the mounting holes on the ceiling grid clip.
- Step 6** Hold the mounting bracket and insert a 6-32 x 1/4 in. screw into each of the four corresponding holes (A, B, or C) and tighten.
- Step 7** If necessary, drill or cut a cable access hole in the ceiling tile large enough for the Ethernet and power cables. Pull the cables through the access hole until you have about 1 foot of cable protruding from the hole.
- Step 8** Connect the Ethernet and power cables to the access point
- Step 9** Align the access point feet over the keyhole mounting slots on the mounting bracket. If you created a hole for the cables make sure the access point is positioned so that the cables reach their respective ports.
- Step 10** Gently slide the access point onto the mounting bracket until it clicks into place.

Mounting Access Point on Hard Ceiling or a Wall

Required Mounting Hardware: AIR-AP-BRACKET-2

- Step 1** Use the mounting bracket as a template to mark the locations of the mounting holes on the bracket.

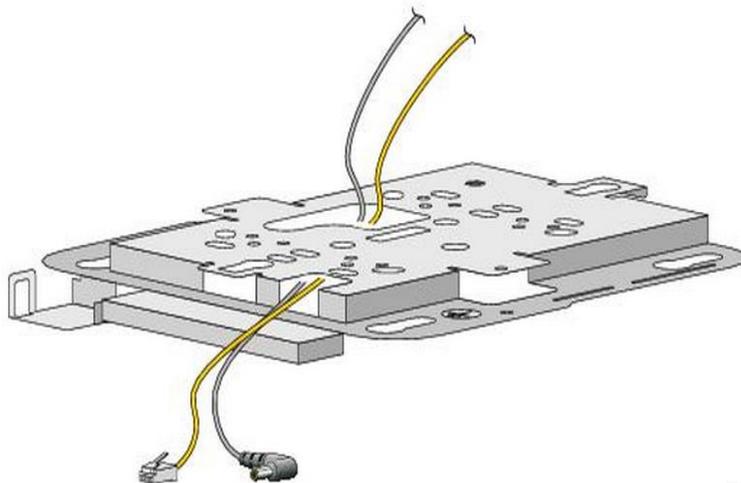
Wireless Service Access Point Mounting Options



Step 2 Use a #29 drill (0.1360-in. [3.4772 mm]) bit to drill a pilot hole at the mounting hole locations you marked.

Step 3 (Optional) Drill or cut a cable access hole near and below the location of the mounting bracket cable access cover large enough for the Ethernet cable, building ground wire, and power cables.

Step 4 Pull approximately 9 inches of cable through the hole. Route the Ethernet and power cables through the bracket before you attach the bracket to the ceiling or wall. Route the cables through the main cable access hole and then through the smaller access hole.



Wireless Service Access Point Mounting Options

- Step 5** Position the mounting bracket mounting holes (with indents down) over the pilot holes.
- Step 6** Insert a fastener into each mounting hole and tighten.
- Step 7** Connect the Ethernet and power cables to the access point.
- Step 8** Align the access point feet with the large part of the keyhole mounting slots on the mounting plate. When positioned correctly, the cable access cover will fit inside the access point connector bay.
- Step 9** Gently slide the access point onto the mounting bracket keyhole slots until it clicks into place.

Mounting an Access Point to a Network or Electrical Box

- Step 1** Position the universal mounting bracket (AIR-AP-BRACKET-2) over the existing network or electrical box and align the bracket mounting holes with the box holes.
- Step 2** Hold the mounting bracket in place and insert a 6 x 32 x 1/4-in pan head screw into each of the mounting holes and tighten.
- Step 3** Pull approximately 9 inches of Ethernet and power cable through the hole. Route the cables through the bracket before you attach the bracket to the ceiling. Route the cables through the main cable access hole and then through the smaller access hole.
- Step 4** Connect the Ethernet and power cables to the access point.
- Step 5** Align the access point feet over the keyhole mounting slots on the optional mounting bracket.
- Step 6** Slide the access point onto the optional mounting bracket until it clicks into place.

Securing an Access Point

There are two ways to secure your access point:

- Attach it to an immovable object with a security cable.
- Lock it to the mounting plate with a padlock

The following locks are compatible with the Access Points, as referenced in the [Cisco Deployment Guide](#):

- Kensington Notebook Microsaver (Model number 64068)
- Master pad locks model 120T
- Master pad locks model 121T

References

Access Point Mounting Instructions

http://www.cisco.com/c/en/us/td/docs/wireless/access_point/mounting/guide/apmount.pdf

Cisco Aironet Series 2700/3700 Access Point Deployment Guide

http://www.cisco.com/c/en/us/td/docs/wireless/technology/apdeploy/7-6/Cisco_Aironet_3700AP.pdf