**Mounting Options
AP300, AP320i, AP332, AP433, AP1000**

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Several ways to install Access Points

- 1. Below a suspended ceiling

- 2. Below a recessed suspended ceiling or with narrow T-bars

- 3. Below a suspended ceiling with Interlude/Silhouette T-Bars

- 4. Above a suspending ceiling

- 5. Vertically on a wall

- 6. In a Hoffman Enclosure

- 7. On a shelf

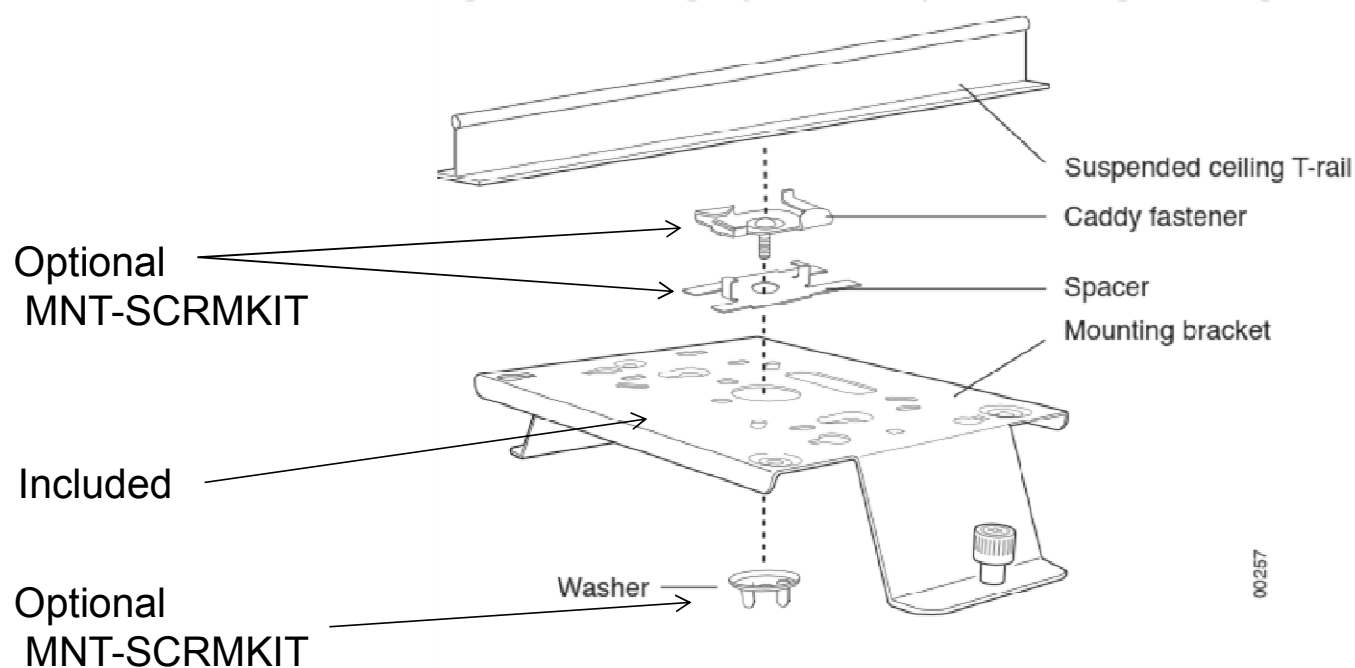- 8. Locking the access points

1. Below a suspended ceiling
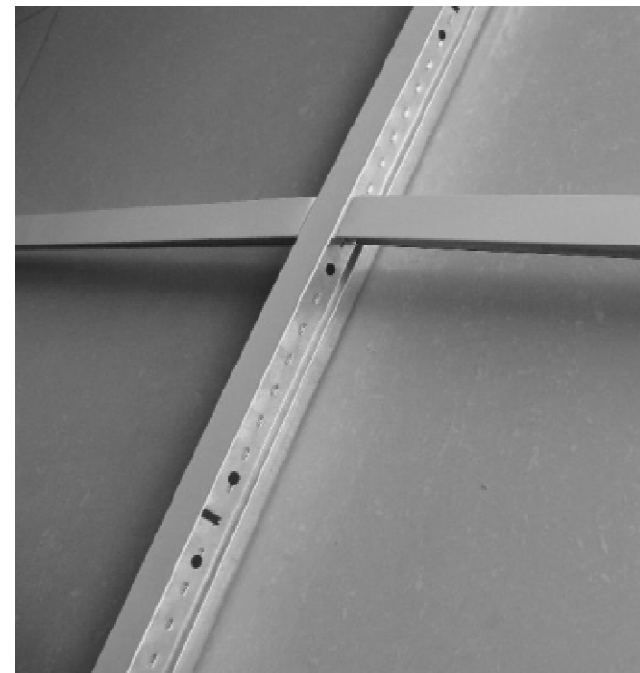
- "Regular" suspended Ceiling 15/16" T-Bars
- The tiles are slightly above the grid
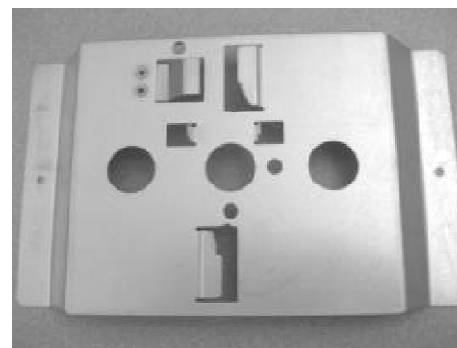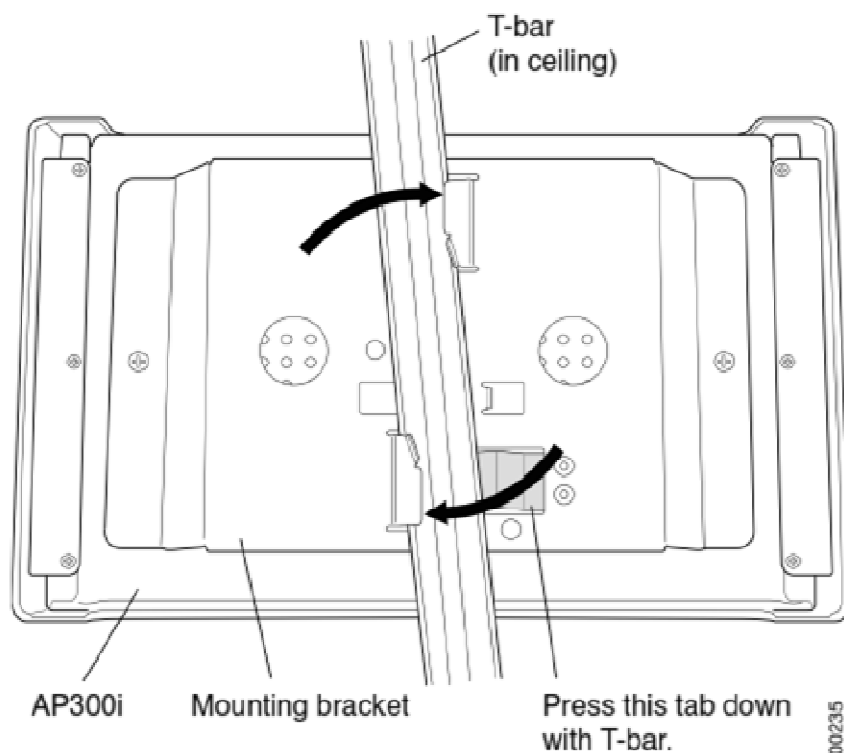
1. Below a suspended ceiling

- <u>To mount an AP300 below a suspended ceiling</u>

  – Mounting bracket is included

  – Spacer and caddy fastener needs to be ordered separately: Part
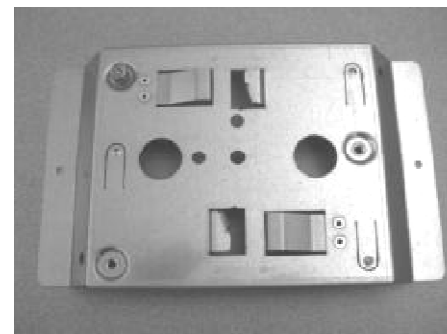   Number: MNT-SCRMKIT

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Suspended ceiling T-rail

Caddy fastener

Optional MNT-SCRMKIT

Spacer

Mounting bracket

Included

Washer

Optional MNT-SCRMKIT

00257

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1. Below a suspended ceiling
• Mounting kit for AP320i (included)
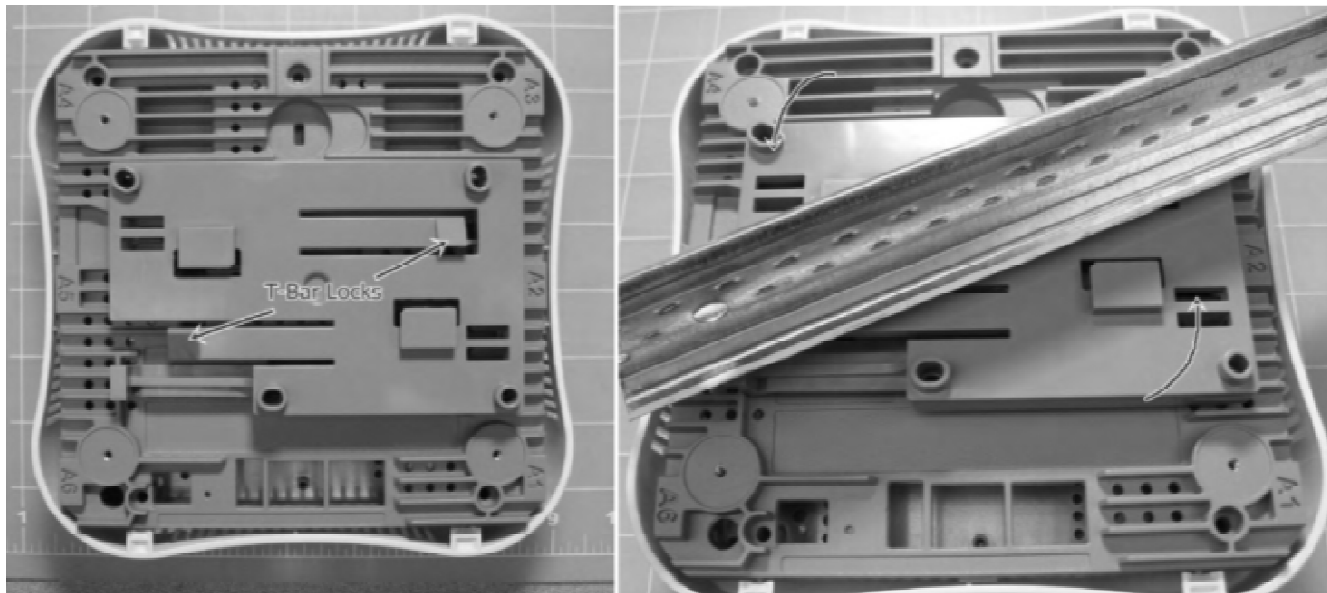

AP320i Old Mounting Kit

AP320i New Mounting Kit as of Rev N

1. Below a suspended ceiling

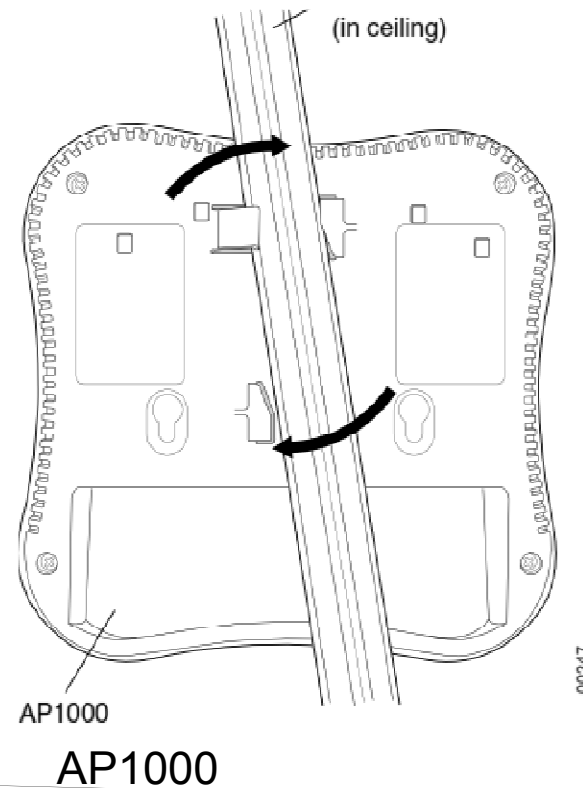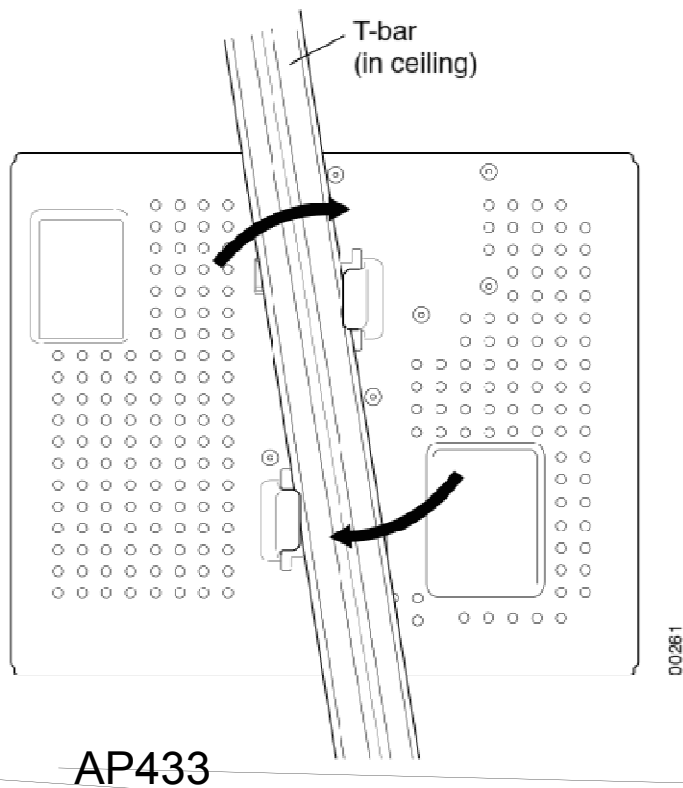- Mounting kit for AP332e/i (included)

- Slide the <u>provided</u> 15/16" T-Bar adapter until it locks in place
- Press the AP and bracket against the rail and twist to lock it into place.
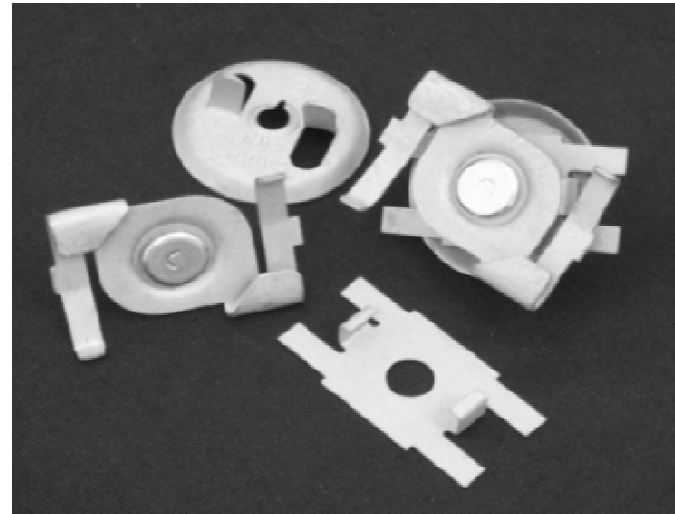
1. Below a suspended ceiling

- Mounting kit for AP433 and AP1000 (built-in)

AP433   AP1000

1. Below a suspended ceiling

- What parts do you need for a suspending ceiling?

    – <u>AP ships ready to mount on a regular suspended ceiling (except for AP300) with 15/16" T-Bars</u>

    – Spare parts for AP300:

        • MNT-SCRMKIT (required to mount AP300 below suspended ceilings)

            – Mounting kit available as a spare part in the price book for AP150, AP200, AP300 models

        • AP300-MNT (spare part)

            – Spare: Mounting Bracket and Screws for AP300. <u>This bracket ships by default with the AP300 at no charge</u>
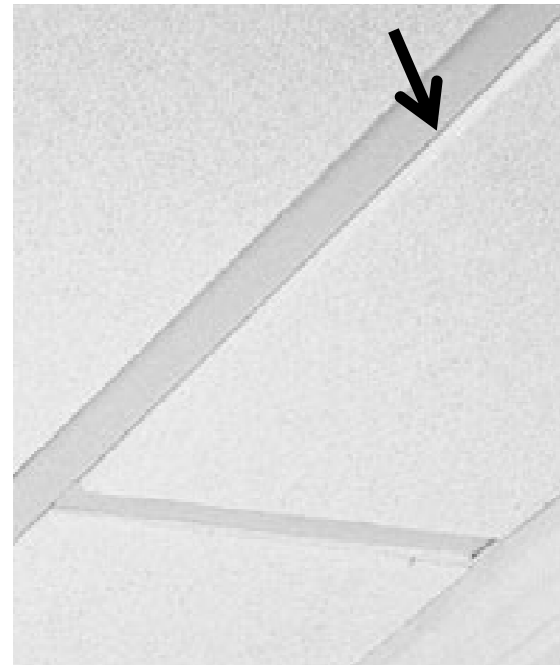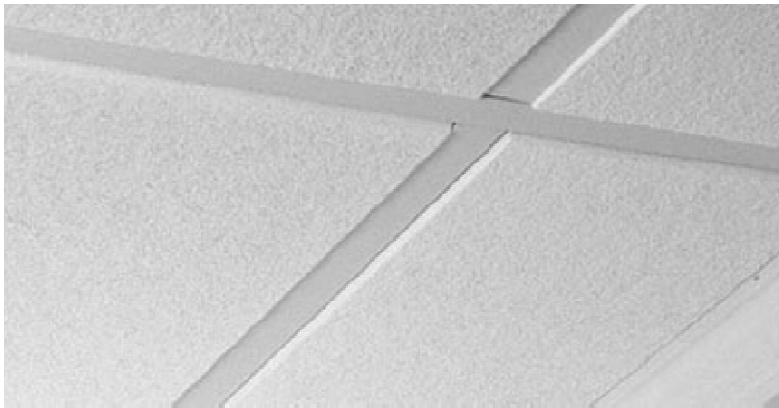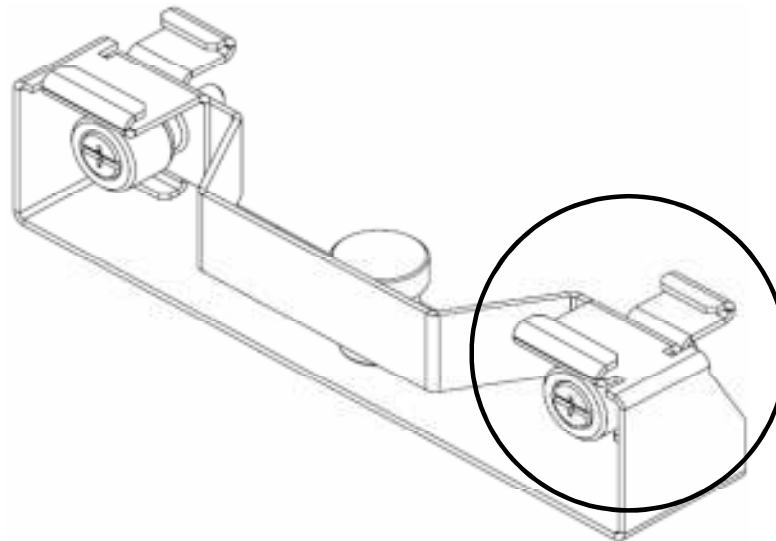

MNT-SCRMKIT

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2. Below a recessed suspended ceiling or narrow T-bars

- Pictures above show a recessed ceiling

- The tiles are slightly below the grids

# 2. Below a recessed suspended ceiling or narrow T-bars

Bracket for recessed ceiling or narrow T-Bars

- Allow to attach to a recessed ceiling by extending the distance from the ceiling rail to the AP.

- This kit is adjustable and can be used on either a wide or thin ceiling rail.

- Available for the AP320i, AP332, AP433 and AP1000.

## 2. Below a recessed suspended ceiling or narrow T-bars

> Adjustable to be used on either a wide or thin ceiling rail

>> Metal plate can be flipped over for thin ceiling rails

> Minimum width: 0.5"
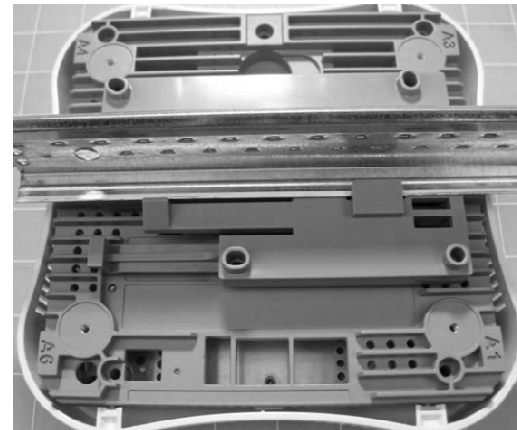
> Maximum Width: 1" (MNT-SCRMKIT-03), 1.25" (MNT-SCRMKIT-02)
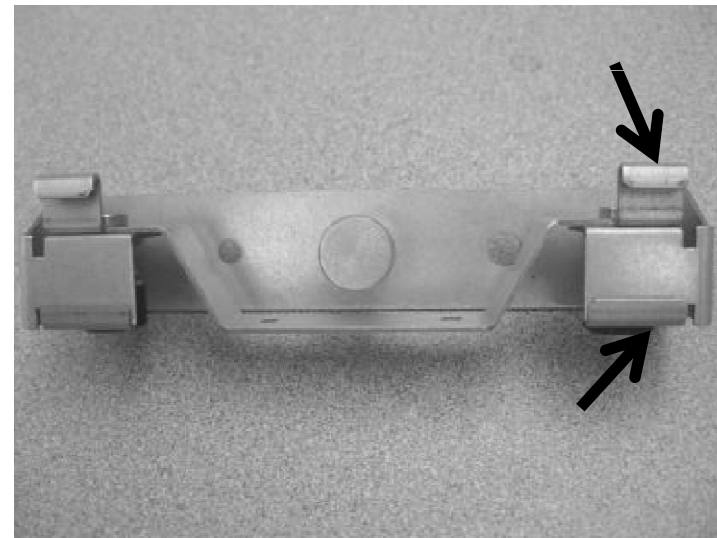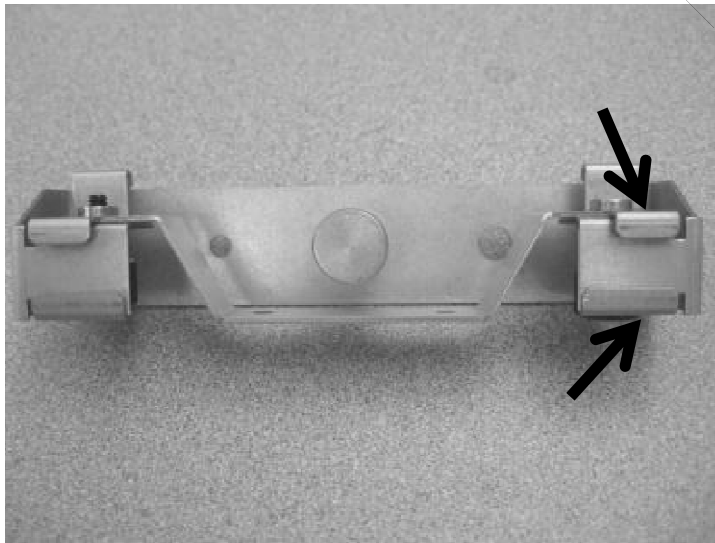
2. Below 9/16"T-bars (AP332)

> AP332 includes a 9/16" adapter T-Bar.

> AP332 can be mounted below narrow T-Bars without any other option.

> Same installation method as standard 15/16" T-Bar

>> Slide the <u>provided</u> 9/16" T-Bar adapter until it locks in place
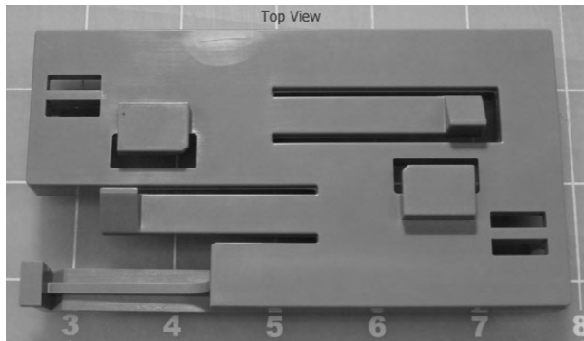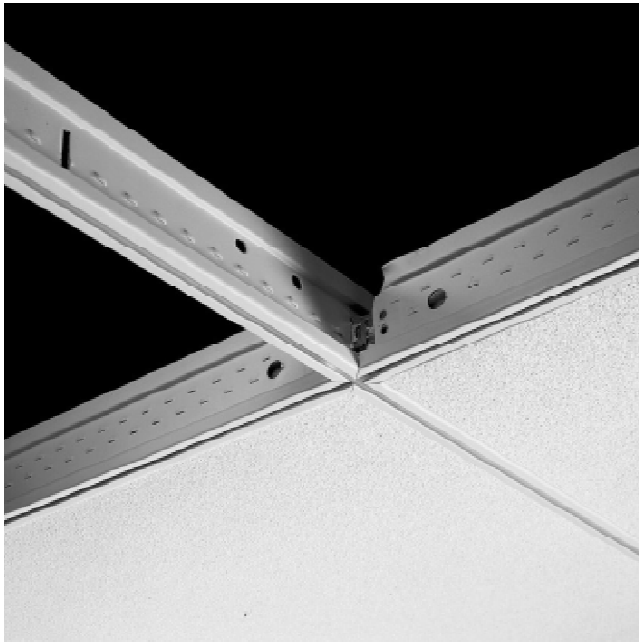
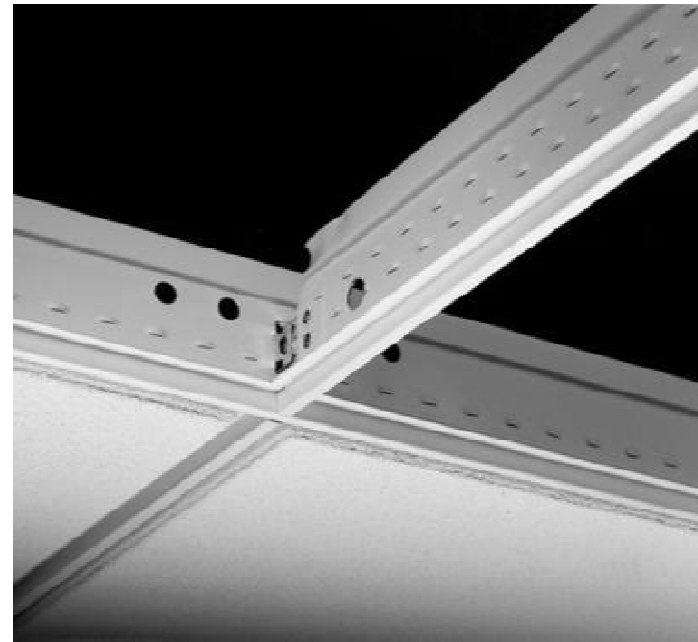*9/16" T-Bars adapter for AP332*

AP332 with T-Bar adapter

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3. Below a suspended ceiling with Interlude/Silhouette T-Bars

SILHOUETTE type   INTERLUDE type
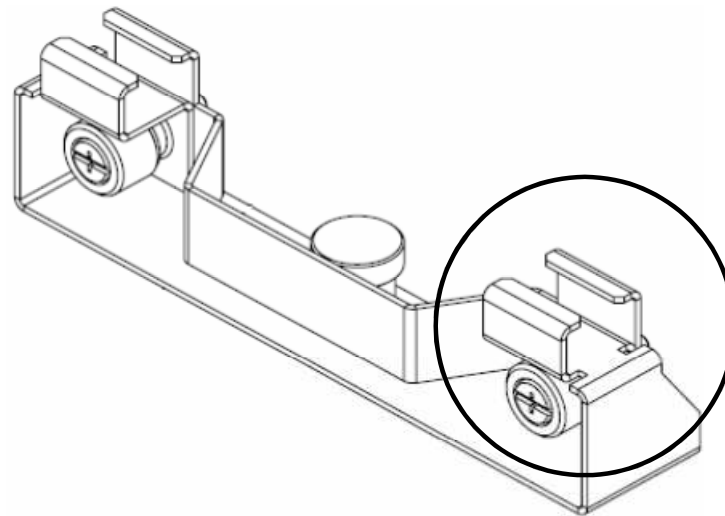
- 2 other types of recessed ceiling

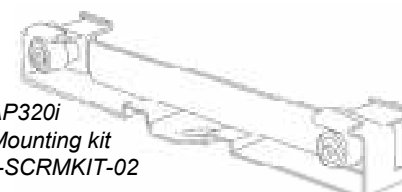# 3. Below a suspended ceiling with Interlude/Silhouette T-Bars

Bracket for INTERLUDE/SILHOUETTE type ceiling
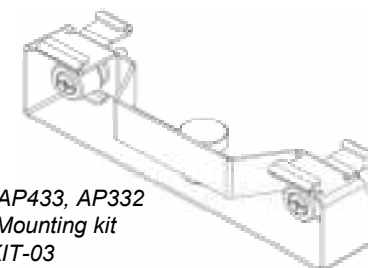for AP320i (as of rev. N), AP332, AP433 and AP1000

Below a recessed suspended ceiling, narrow T-bars or ceiling with Interlude/Silhouette T-Bars

- What options are available for a recessed suspending ceiling and narrow T-Bars?

- <u>For recessed ceilings or narrow T-bars</u>

  - MNT-SCRMKIT-02 (5 packs)
        For AP320i old mounting kit (before AP320i Rev. N)

  - MNT-SCRMKIT-03 (5 packs)
    For AP1000, AP433, AP332 and
    AP320i new mounting Kit (<u>as of AP320i Revision N</u>)

  - *Note that AP332 includes a 9/16" T-Bar adapter, to be mounted directly on narrow T-Bars*

- <u>For Interlude/Silhouette ceilings</u>

  - MNT-SCRMKIT-04 (5 packs)

    - for AP1000, AP433, AP332 and
      AP320i new mounting kit (<u>as of AP320i Revision N</u>)

*For AP320i
Old Mounting kit
MNT-SCRMKIT-02*

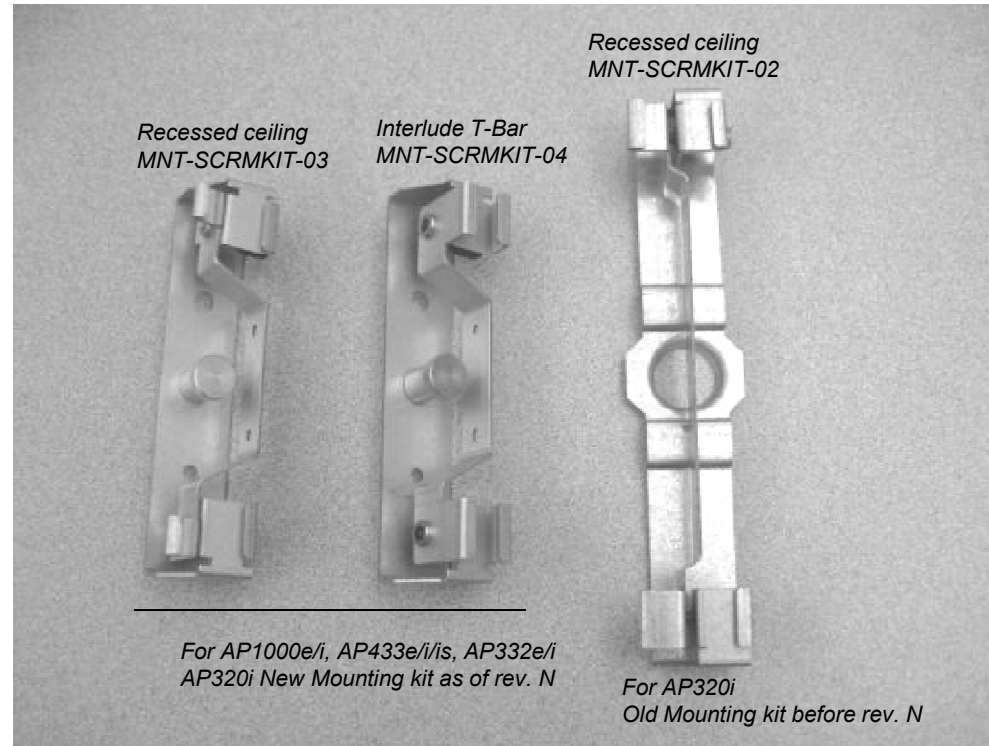*For AP1000, AP433, AP332
AP320i New Mounting kit
MNT-SCRMKIT-03*
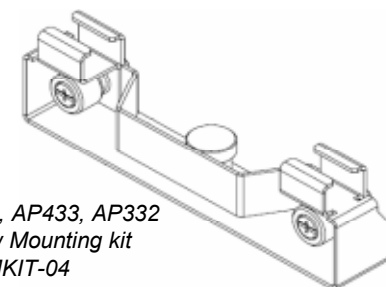
*For AP1000, AP433, AP332
AP320i New Mounting kit
MNT-SCRMKIT-04*

15

Below a recessed suspended ceiling or ceiling with Interlude/Silhouette T-Bars

• Old / New Recessed Ceiling Mounting kits for AP320i

– *New ceiling mounting kits available for AP320i as of revision N*

Recessed ceiling
MNT-SCRMKIT-02

Recessed ceiling
MNT-SCRMKIT-03

Interlude T-Bar
MNT-SCRMKIT-04

For AP1000e/i, AP433e/i/is, AP332e/i
AP320i New Mounting kit as of rev. N

For AP320i
Old Mounting kit before rev. N

4. Above a suspending ceiling
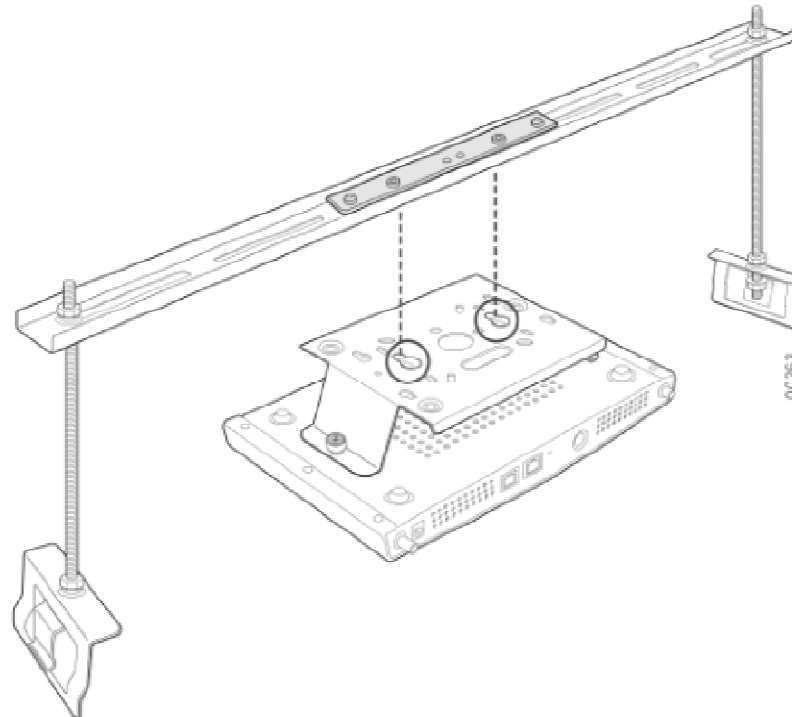
- T-Bar Box Hanger Mounting Kit available for AP300, AP320i, AP332, AP433 and AP1000

4. Above a suspending ceiling: Plenum Airspace

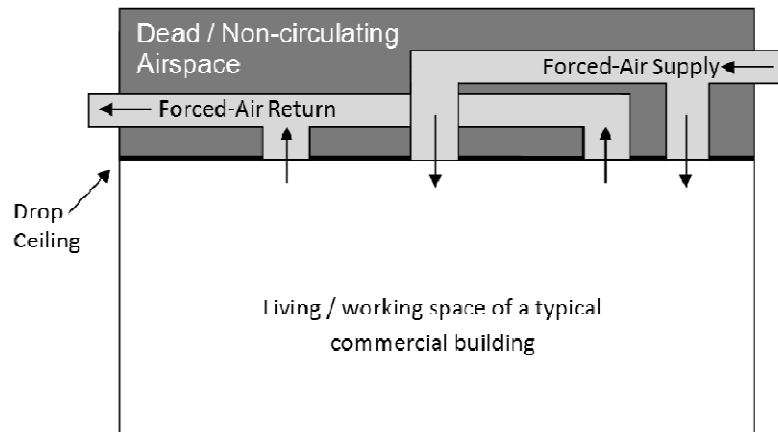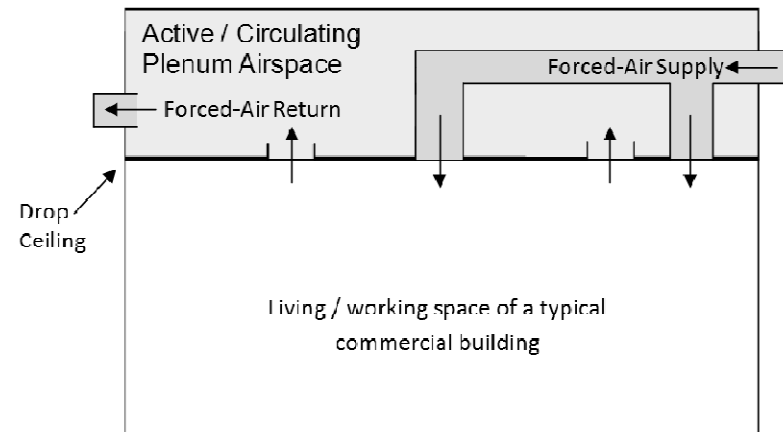•Cables and other devices in plenum spaces may be a hazard in the event of a fire.

•Airflow present in the plenum space supplies fresh oxygen to the flame.

Dead / Non-circulating Airspace

Forced-Air Supply ←

← Forced-Air Return

Drop Ceiling

Living / working space of a typical commercial building

Active / Circulating Plenum Airspace

Forced-Air Supply ←

← Forced-Air Return

Drop Ceiling

Living / working space of a typical commercial building

A building without a plenum airspace.

A building with a plenum airspace.

> AP300, AP332e, AP433e, AP1000e with metal enclosure exposed

  • Suitable for use in environmental air handling space in accordance with Section 300-22(c) of the National Electrical Code (NEC)

> AP320i, AP332i, AP433i, AP1000i with plastic cover are not suitable for use in air handling space

4. Above a suspending ceiling

What part do you need to install above a suspending ceiling?

- MNT-ASCMKIT-02

  – Suspended Above Ceiling Mounting
    Kit (T-Bar Hanger)

  – Works with AP300, AP320i, AP332,
    AP433 and AP1000
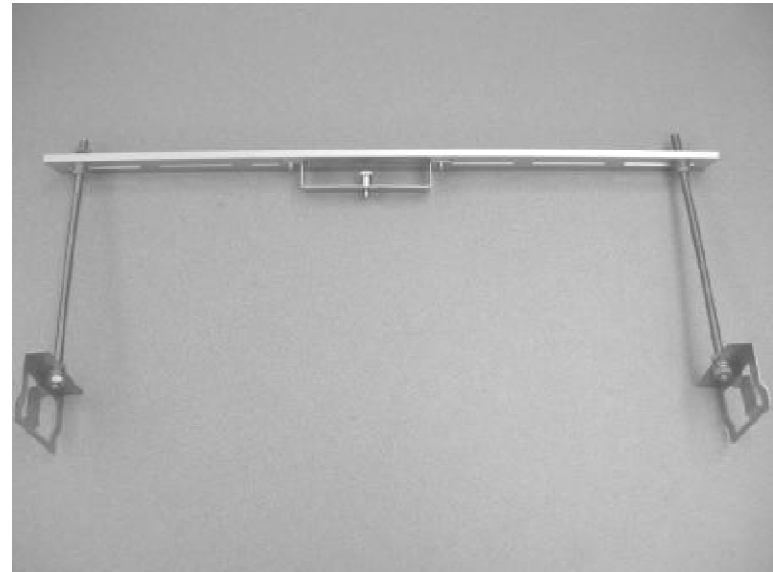
5. Vertically on a wall
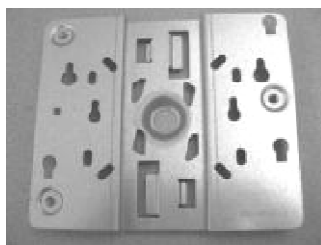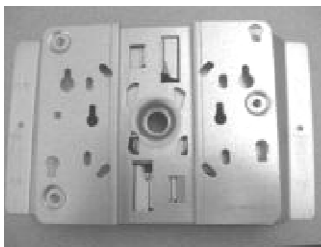### • Wall Mount Bracket shipped with AP300 and AP320i

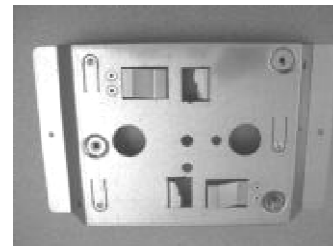| AP300 Wall Mounting kit	AP320i Wall Mount Kit before rev. N	AP320i Wall Mount kit as of rev. N
	+	+
	=	=

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5. Vertically on a wall

• AP433 wall mount bracket

Slide locker

Shoulder screw

AP433 with wall mount bracket
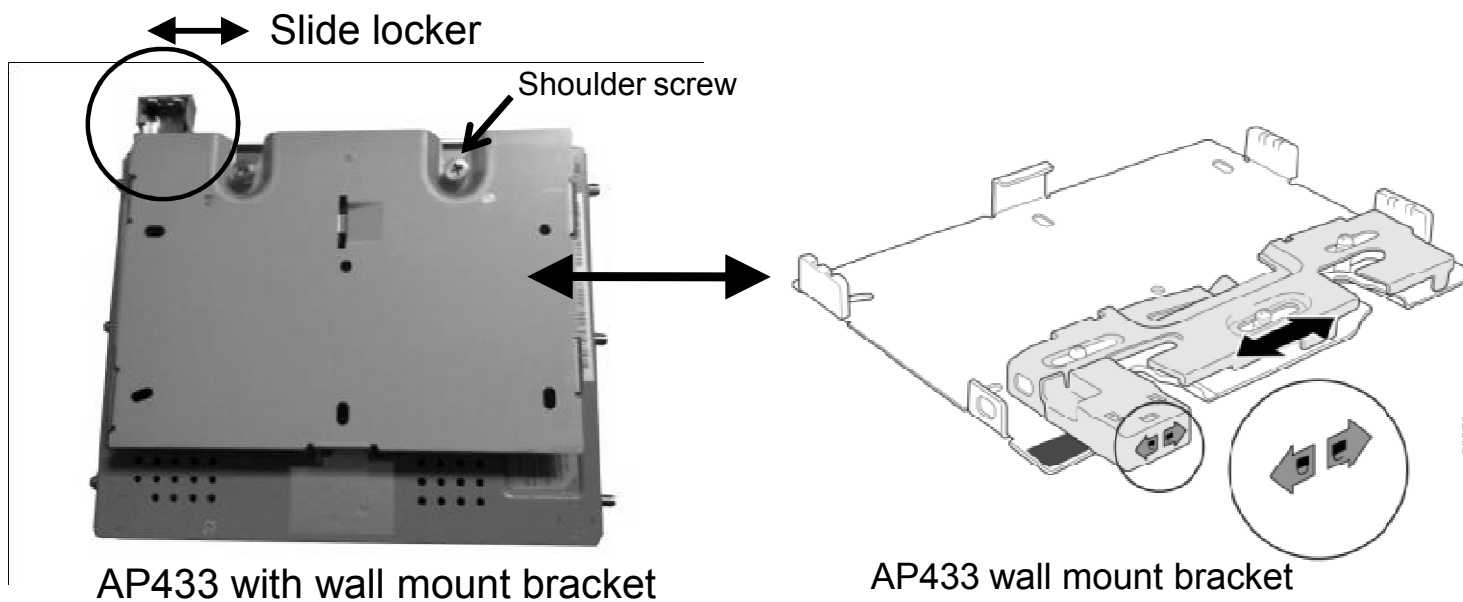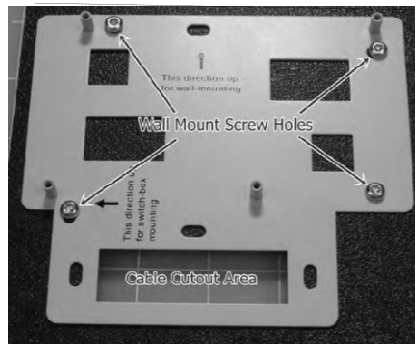
AP433 wall mount bracket

> Slide wall bracket to the AP433 with shoulder screws, and lock it with slide locker
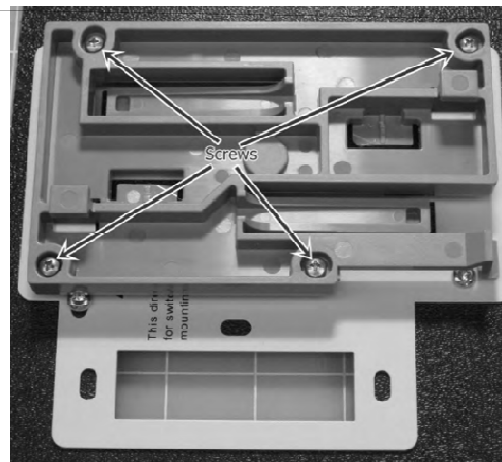
5. Vertically on a wall

• AP332 wall mount bracket
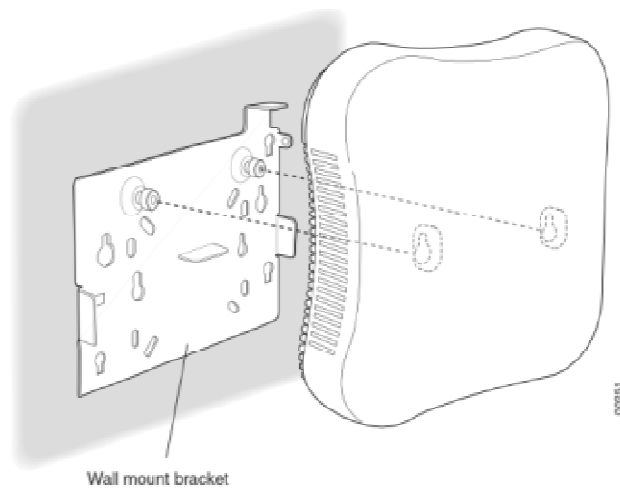

> 1- The provided wall mount plate is attached to the wall

> 2- The provided 15/16" T-Bar adapter is screwed to the wall mount plate

> 3- Then, the 15/16"adapter is slid to the Access Point

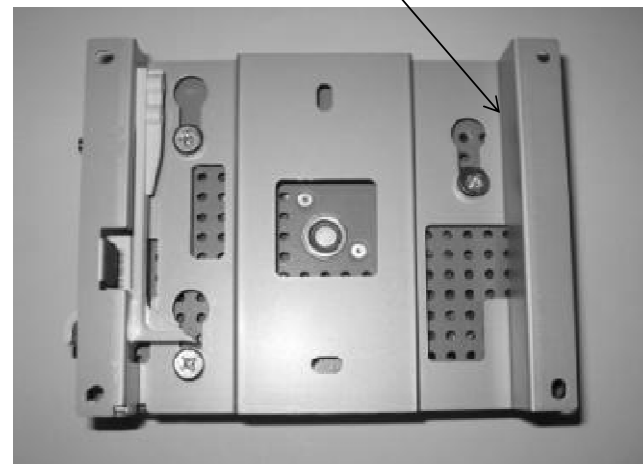# 5. Vertically on a wall

- AP1000e/i wall mount bracket

Wall mount bracket

Wall mount bracket

AP1000i <u>optional</u>
wall mount bracket

AP1000e <u>included</u>
wall mount bracket

5. Vertically on a wall

- What part do you need for wall mount bracket?
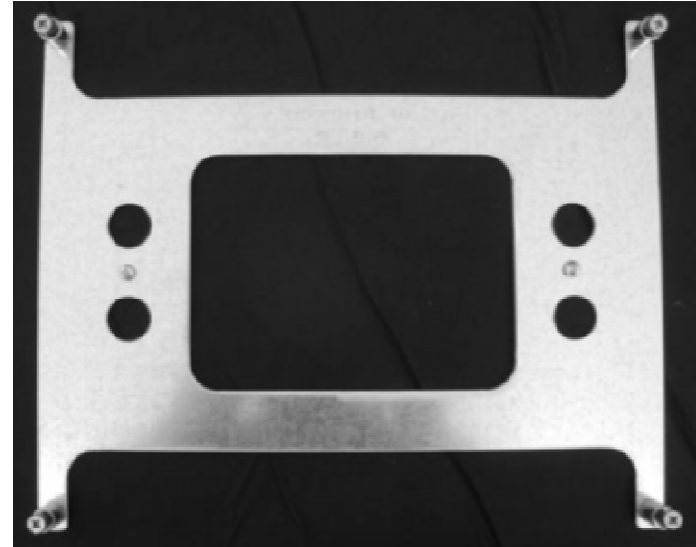
    – Lockable Wall Mount Kit for AP1000i   MNT-WMKIT-01

    – Wall Mount Kit for AP1000e   included

    – Wall Mount Kit for AP300   included

    – Wall Mount Kit for AP320i   included

    – Wall Mount Kit for AP332   included

    – Wall Mount Kit for AP433   included

6. In a Hoffman Enclosure for AP300

- Custom Mounting Bracket for mounting AP300 in a Hoffman Enclosure

- **www.hoffmanonline.com**

- Part #: BHE01

7. On a Shelf

- When mounting an AP horizontally, remove the mounting bracket if present.

- If there are antennas, be sure to position the antennas vertically when an AP sits on a surface.
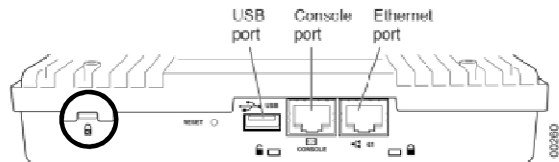
8- Kensington Lock

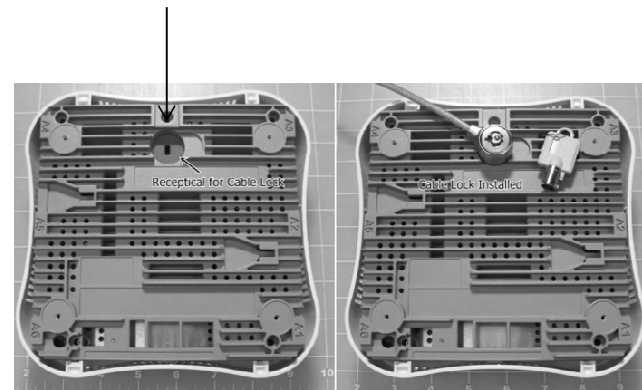- Available on AP300, AP320i, AP332, AP433 and AP1000e.

- Not available on AP1000i

Lock AP1000e with
Kensington lock (not provided)

Receptacle for
Kensington lock

Lock AP332e/i with Kensington lock
(Not provided)

Lock AP433 with Kensington lock
(Not provided)

8- Locking AP320i, AP1000i, and AP433 to a Ceiling

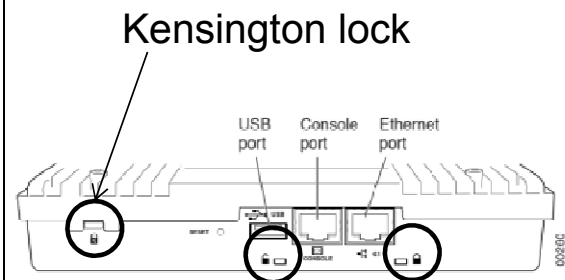| AP320i	AP1000i	AP433
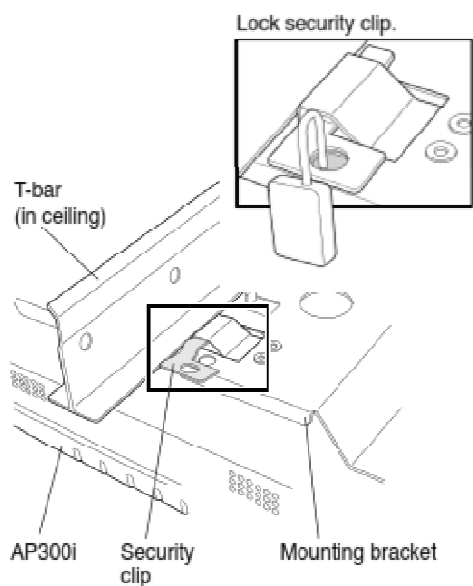
Lock AP320i
with security key
and a lock (not provided)
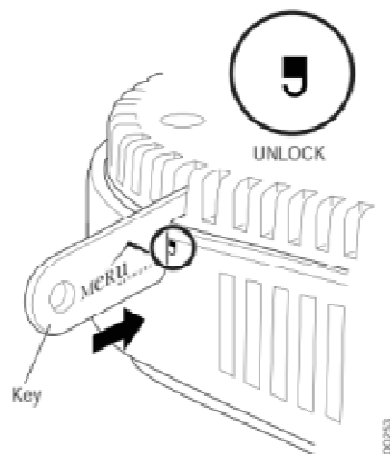
Lock AP1000i with
provided locking key

Kensington lock
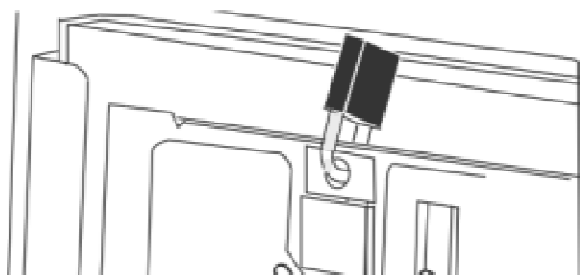
Lock AP433 with provided
locking key.

A Kensington lock is also
available

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8- Locking AP320i to a Wall

AP320i before Rev. N	AP320i as of Rev. N
Lock AP320i (old mounting kit) with shipped wall mounting kit, and a lock (not provided)	Lock AP320i (new mounting kit as of rev. N) with shipped wall mounting kit, and a lock pad (not provided)
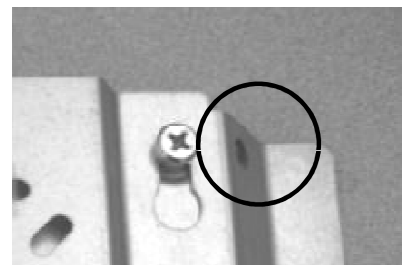
8- Locking AP433 and AP1000 to a Wall

AP433	AP1000i	AP1000e

Slide locker

locking key

Wall bracket
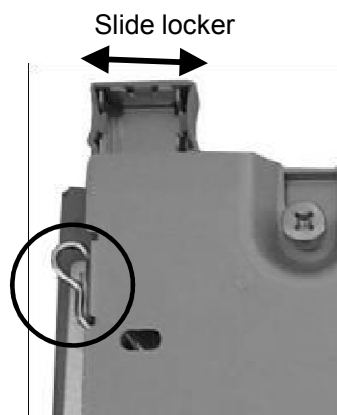
Lock AP433 with shipped wall mounting kit and locking clip.
A lock pad (not provided) can be used instead of the clip.

Lock AP1000i with wall Mounting kit* and a lock (not provided)

Wall mounting kit is optional for AP1000i

Lock AP1000e with wall Mounting kit and a lock pad (not provided)

Mounting Kits Summary

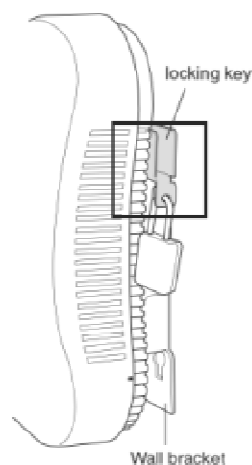|	AP300	AP320i old Mounting Kit	AP320i new Mounting Kit (as of rev. N)	AP332e/i	AP433	AP1000e	AP1000i
Regular Suspended Ceiling 15/16" T-Bar	Option	Included	Included	Included	Included	Included	Included
9/16" T-Bars				Included			
Narrow T-Bars and Recessed Ceiling		Option[1]	Option[1]	Option	Option	Option	Option
Interlude / Silhouette			Option	Option	Option	Option	Option
Above Ceiling	Option	Option	Option	Option	Option	Option	Option
Plenum Option	Yes	No	No	Yes (AP332e only)	Yes (AP433e only)	Yes	No
Wall Mount	Included	Included	Included	Included	Included	Included	Option
Hoffman Enclosure	Option						
Kensington Lock	Yes	Yes	Yes	Yes	Yes	Yes	No
Ceiling Lockable		Included[2] (Lock pad)	Included[2] (Lock pad)		Included (Lock key)		Included (Lock key)
Wall Lockable		Included[2] (Lock pad)	Included[2] (Lock pad)		Included[3] (clip or lock pad)	Included[2] (Lock pad)	Option[4] (Lock pad)

[1] new and old AP320i Mounting Kits have different optional recessed ceiling brackets
[2] requires an additional lock pad.
[3] a locking clip is provided with the AP433 and can be replaced by a lock pad if necessary.
[4] included in the optional Wall Mounting Kit. Requires an additional lock pad.

Thank You