

Oberon Professional Wireless LAN Installation Solutions for HPE Aruba Access Points Update: Mounting Aruba 510 Series APs



OBERON Wi-Fi ACCESS POINT MOUNTING SOLUTIONS



In virtually any venue, Oberon products can help to improve the following:

- **AP Physical security**
- **Aesthetics**
- **Installation ease**
- **Maintenance**
- **ICRA procedure compliance**
- **Cabling attachment and concealment**
- **Code compliance**
- **Environmental robustness**

Mounting Aruba APs

- For over a decade, Oberon has been offering mounting solutions for Aruba's access points.
- Oberon plans to continue to support the new Aruba 510 series access points in a similar manner.
 - Locking enclosures with doors cut to fit the Aruba 515 and 535 series APs, so APs are flush to ceiling
 - Custom fit trims for each AP style for ceiling and wall recess mounts
 - Vanity covers shaped to fit the access point

Aruba 510 series AP mounting kits

- Aruba has new mounting kits for the new 510 series access points.
- Oberon products are designed to accommodate one or more of these mounting kits. The Aruba 510 series also has mounting features in the body of the AP which can be used to *mount directly* to some of the Oberon products, which may save installation time.
- This document recommends which Aruba mounting kit to use with each Oberon product family. Oberon's installation instructions will indicate which mount kit is best suited for the application.

Aruba 510 series AP mounting kits

These mounting kits are ordered with your access point from your HPE Aruba reseller. In some cases, a mounting kit may not be required to mount on Oberon products. *This is called "mount direct."*

- JZ370AAP-MNT-MP10-A Campus AP mount bracket kit (10-pack) type A: suspended ceiling rail, flat 9/16
- Q9G69AAP-MNT-MP10-B Campus AP mount bracket kit (10-pack) type B: suspended ceiling rail, flat 15/16
- Q9G70AAP-MNT-MP10-C Campus AP mount bracket kit (10-pack) type C: suspended ceiling rail, profile 9/16
- Q9G71AAP-MNT-MP10-D Campus AP mount bracket kit (10-pack) type D: solid surface
- R1C72AAP-MNT-MP10-E Campus AP mount bracket kit (10-pack) type E: wall-box

OBJECTIVES

When installing Access Points

- Achieve best wireless performance by optimizing access point location, orientation, and antenna positioning relative to obstructions.
- Provide access point and associated cabling with the physical and environmental protection suitable for the venue.
- Provide installation aesthetics which reflect the professionalism of the installer, and please the building architect or owner.
- Assist in compliance with venue specific requirements: Codes in public spaces; infection control (ICRA) procedures in hospitals; and infrastructure security in government, retail, healthcare, etc.
- Consider and reduce installation, connectivity, and maintenance time, material, and cost.

WLAN Installation Solutions

OBERON
Mounting Solutions for Wi-Fi Access Points
oberoninc.com

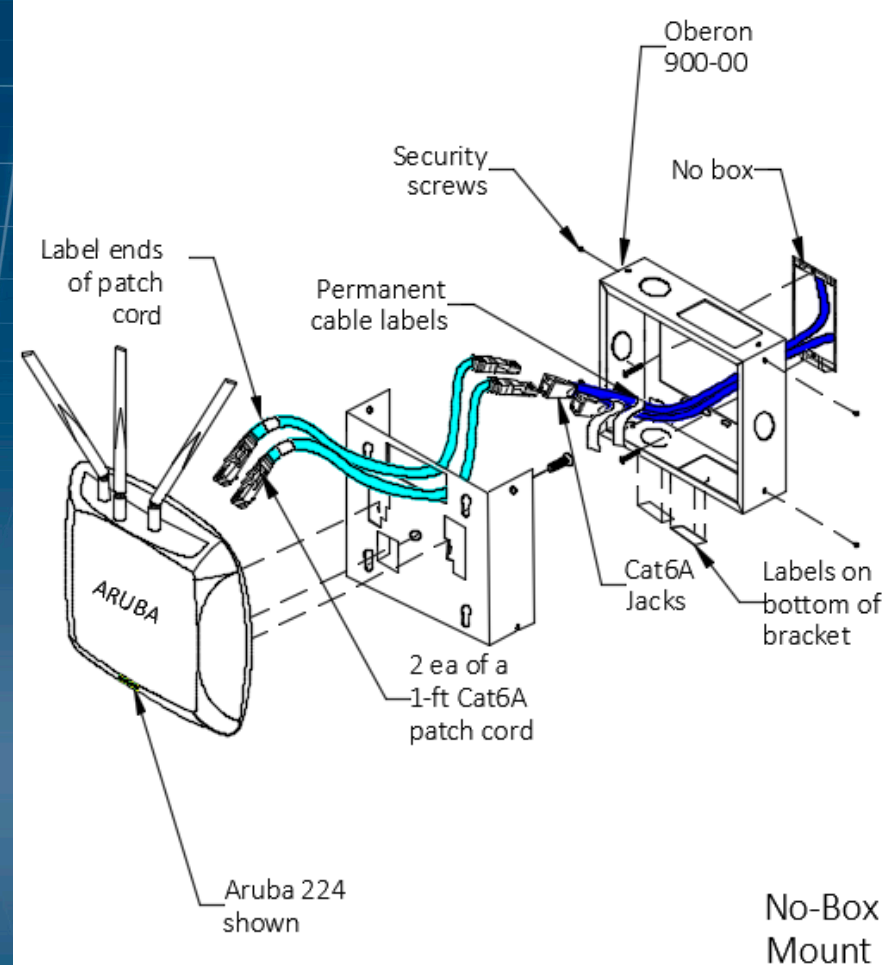


Wall and Hard Ceiling AP Surface Mount Box

- White, powder-coated steel; low-profile hard wall mount for most enterprise APs
- Secure AP on hard walls and ceilings; conceal patch cords, jacks, and outlet
- Knockouts for raceway, conduit, TIA-569 compliant furniture faceplate jack modules



Model 900-00



- 2-piece snap together design, large enough to terminate two Cat 6A cables

- **Aruba AP 510 series:**
- **New Install - Mount directly to Model 900**
- **Existing install - Use Type D or E solid surface or wall box mount kit**

Pendant Conduit AP Mount in Open Ceiling

- Install most enterprise APs on hanging conduit (pendant mount) in open ceilings
- Conceal horizontal cable, patch cord, jacks
- Knockouts for raceway, conduit, TIA-569-compliant furniture faceplate jack modules



Model 900-HC



- 2-piece hinged design, large enough to terminate two Cat 6A cables
- **Aruba AP 510 series:**
New Install - *Mount directly to Model 900*
Existing install - Use *Type D* or *E* solid surface or wall box mount kit

Right-Angle AP Mount in Open Ceiling on Joist, Beam, or Wall



Model 1008-AP-COVER

- Install AP in preferred horizontal orientation on joists or beams in open ceilings
- Includes detachable, paintable black plastic vanity cover for AP; conceals AP in open ceilings
- Vanity covers available for leading enterprise APs
- Includes beam clamps for attaching to joists or beams
- **Aruba AP 510 series: Use Type B suspended ceiling mount kit**

Right Angle Wall Bracket - Universal for larger APs

- Mount larger APs (>2 lbs) in preferred horizontal orientation on walls
- Mount AP at desired height on wall

- Hinged cover conceals outlet, patch cords, and jack module

Aruba AP 510 series:

- New installation- *Mount directly to Model 1011*
- Existing install- Use *Type B* suspended ceiling mount kit



Model 1011-00



Right Angle Wall Bracket – Aruba Specific



Model 1006-AP515

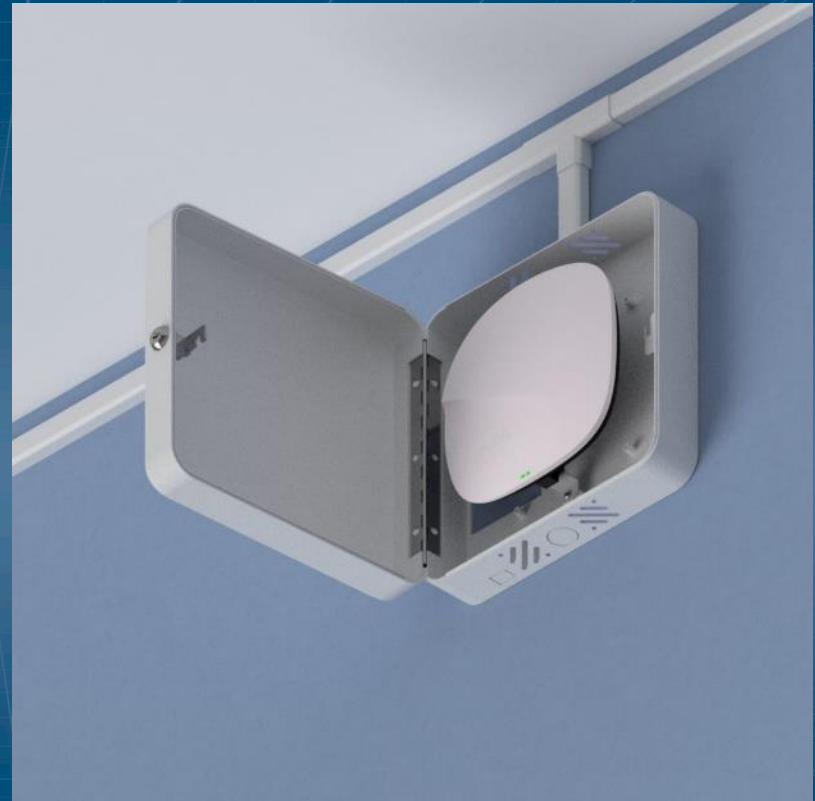
- Mount AP in preferred horizontal orientation, and desired height
- Low-profile, aesthetic, white powder coated steel construction
- Plastic vanity cover on top, conceals cabling and connectivity (1007 series only)
- **Aruba AP 510 series: New installation only, mount directly to Model 1006 or 1007**

Non-Metallic, Locking Enclosures For Access Points



Model 1015-00

- Secure AP where required; lockable and aesthetic
- Rugged ABS plastic is virtually transparent to wireless signals

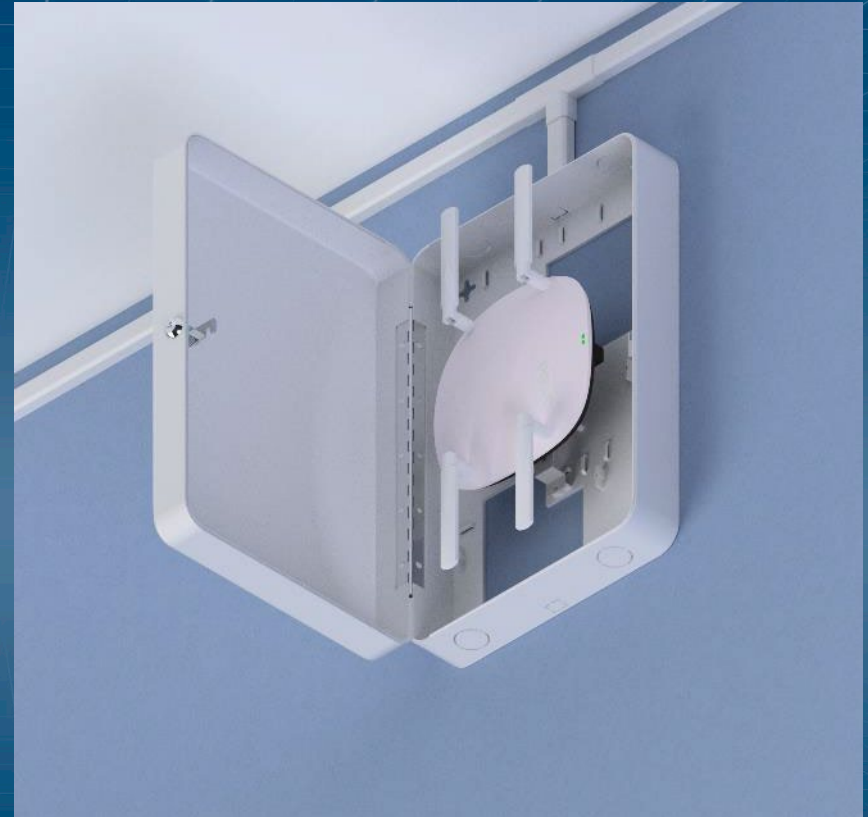


- Conceal outlet, cables, patch cords, & connectors
- **Aruba AP 510 series: Use Type B suspended ceiling mount kit**

Non-Metallic, Locking Enclosures For Access Points



Model 1016-00



- Mount antennas in preferred orientation, lockable and aesthetic
- Rugged ABS plastic is virtually transparent to wireless signals
- Conceal outlet, cables, patch cords, & connectors
- **Aruba AP 510 Series: Use Type B suspended ceiling mount kit**

AP & Panel Antenna Mount

- Point panel antenna in preferred direction
- Ideal for creating zones of coverage in auditoriums and other large indoor venues

Aruba AP 510 series:

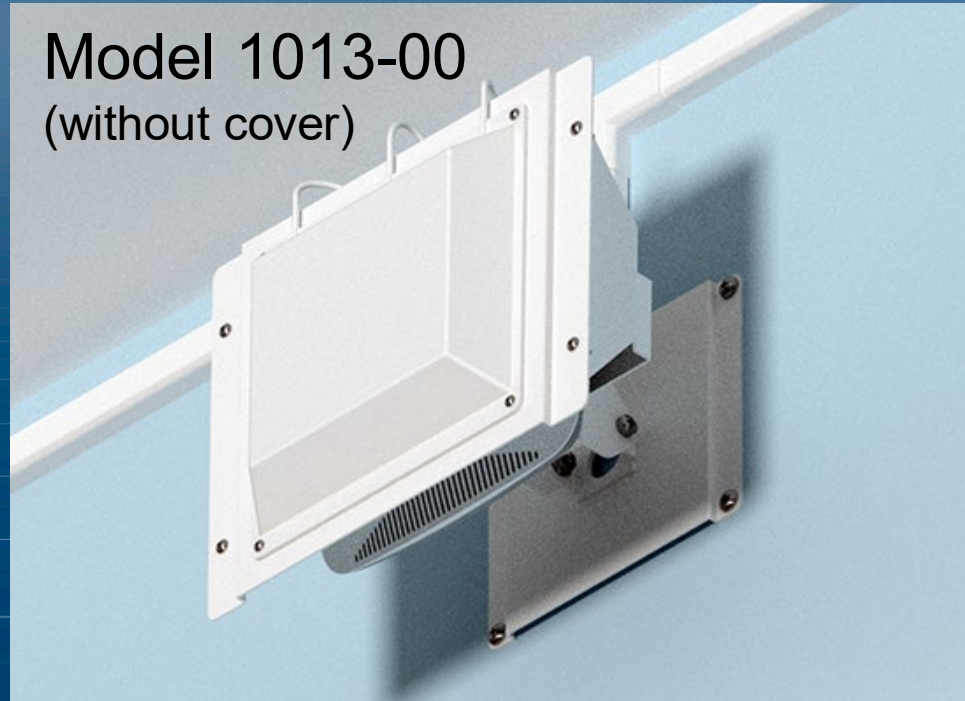
- New installation: *Mount directly to Model 1013*
- Existing install: Use *Type B* suspended ceiling mount kit



Model 1013-COVER

- Attractive white powder coated Steel, 2-axis articulating antenna mount
- Paintable ABS plastic cover is virtually transparent to wireless signals

Model 1013-00
(without cover)



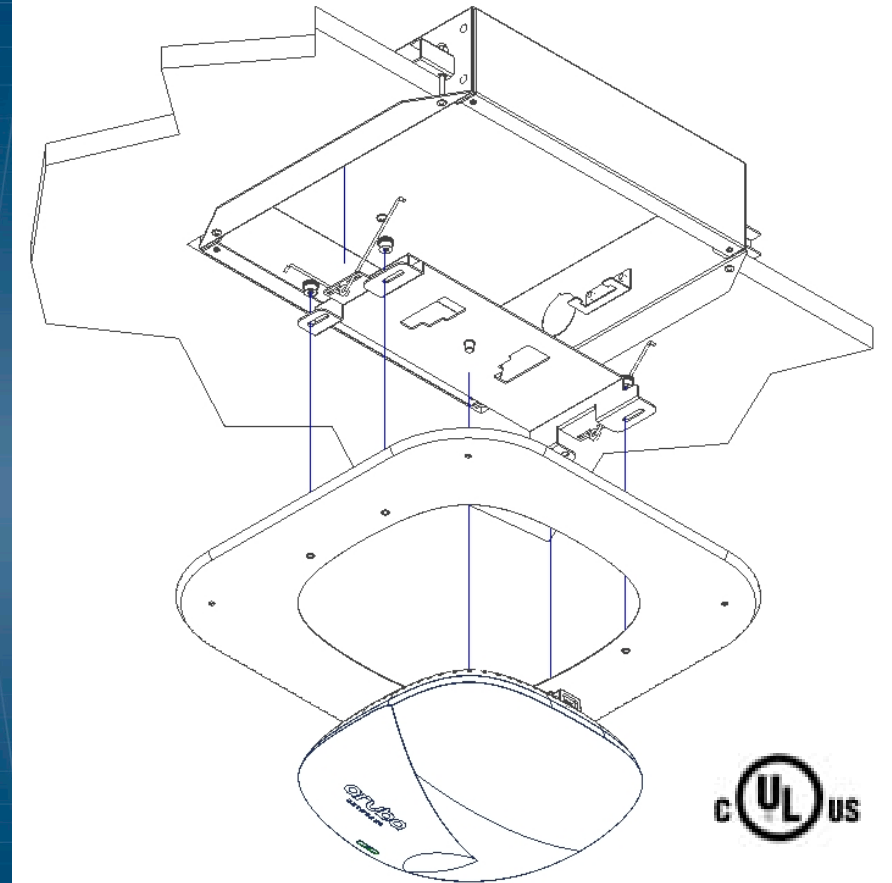
Hard Wall and Ceiling Recess AP Mounting Kits

Recess AP into drywall panel wall/ceiling (like recessed lighting). Antenna face is exposed to room for optimal wireless coverage.



Model 1042-ARAP515

Interchangeable, attractive white powder-coated steel AP trim. Attaches to back-box without tools or lose hardware.



Aruba AP515 series: Mount directly to new 37-104X-ARAP515-S2 interchangeable trim.

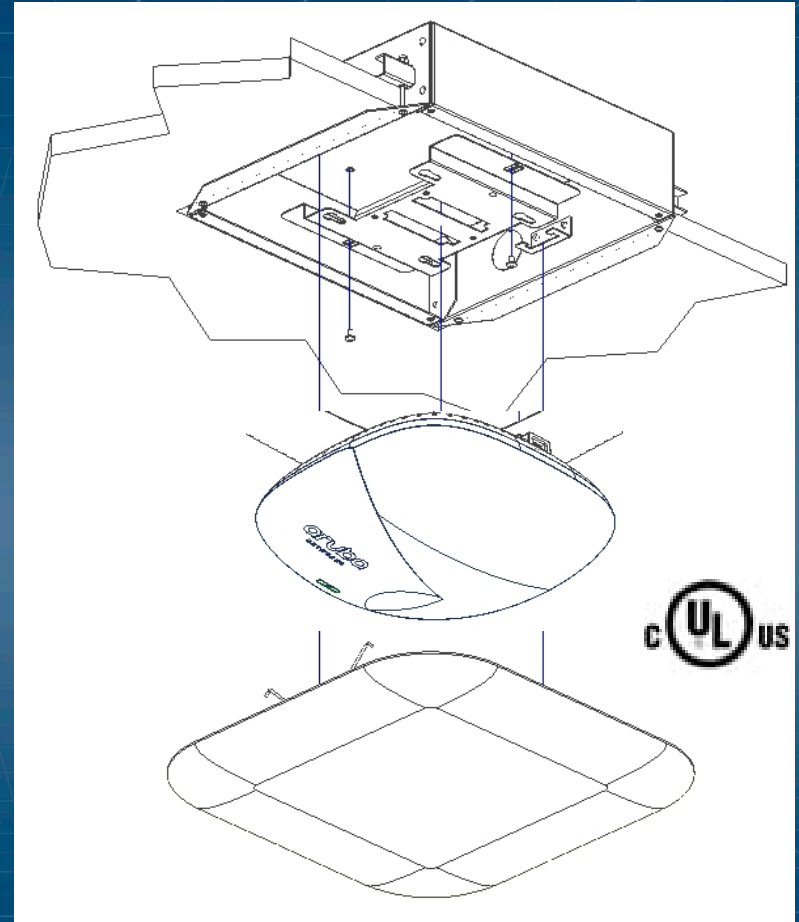
Hard Wall and Ceiling Recess AP Mounting Kits

Recess AP into drywall panel wall/ceiling
(like recessed lighting).



Model 1042-FL

Interchangeable, low profile, paintable ABS plastic cover is virtually transparent to wireless signals. Attaches to back box without tools or lose hardware.



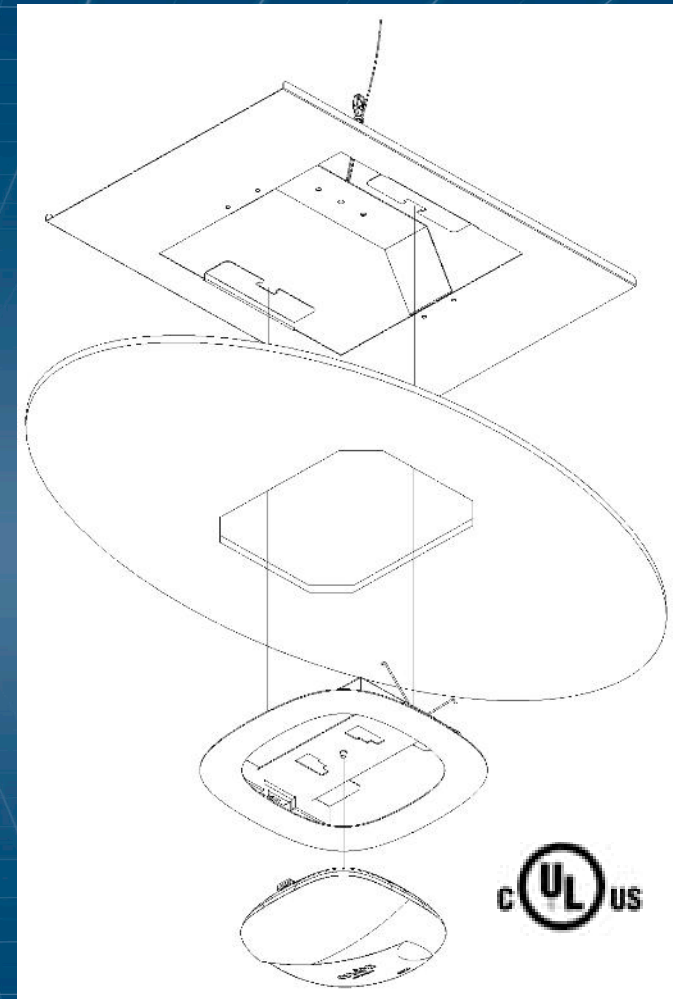
Aruba AP515 series: Mount directly to new 37-104X-ARAP515-S2 interchangeable trim.

Cloud and Suspended Panel Ceiling Recess AP Mounts

Recess AP into ceiling panel, (like recessed lighting). Antenna face is exposed to room for optimal wireless coverage.

Model 1040-ARAP515

Interchangeable, attractive white powder coated steel AP trim. Attaches to ceiling bridge without tools or lose hardware.



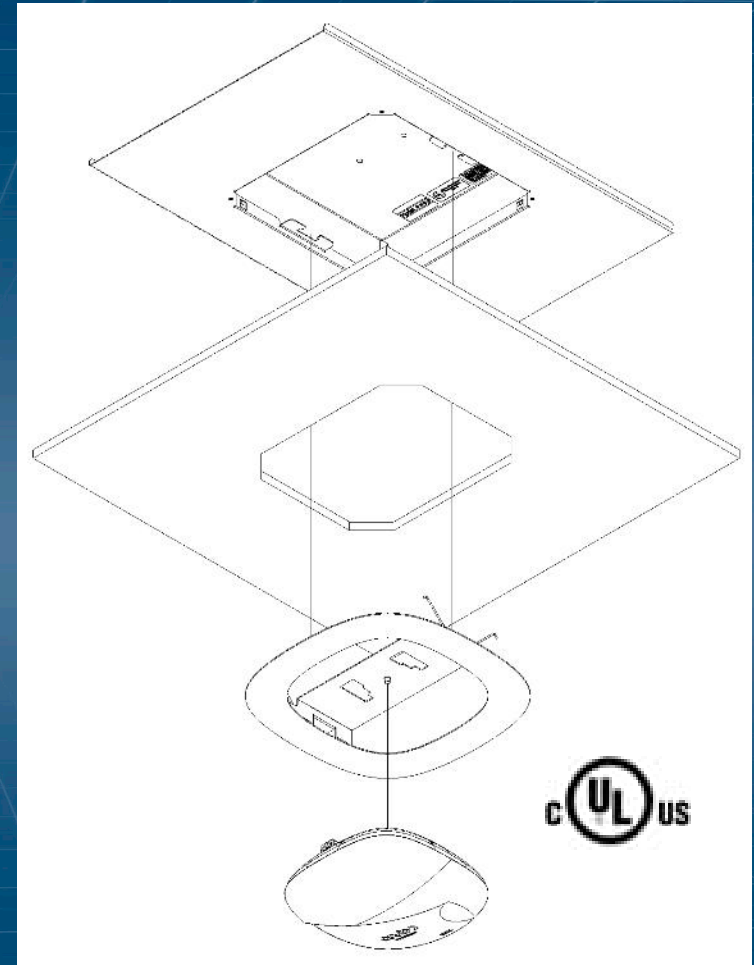
Aruba AP 515 series: Mount directly to new 37-104X-ARAP515-S interchangeable trim.

Economical 2' x 2' Suspended Ceiling Recess AP Mounts

Recess AP into ceiling panel, (like recessed lighting). Antenna face is exposed to room for optimal wireless coverage.

Model 1044-ARAP515

Interchangeable, attractive white powder-coated steel AP trim. Attaches to back-box without tools or lose hardware.



Aruba AP 515 series: Mount directly to new 37-104X-ARAP515-S interchangeable trim.

2' X 2' Suspended Ceiling Tile Enclosures (600 mm sq in Europe)

Only AP antenna face is exposed for optimal wireless coverage .

Model 1047-AP325

Secure, conceal, terminate, and protect AP, horizontal cabling, biscuit jacks, patch cords, etc.

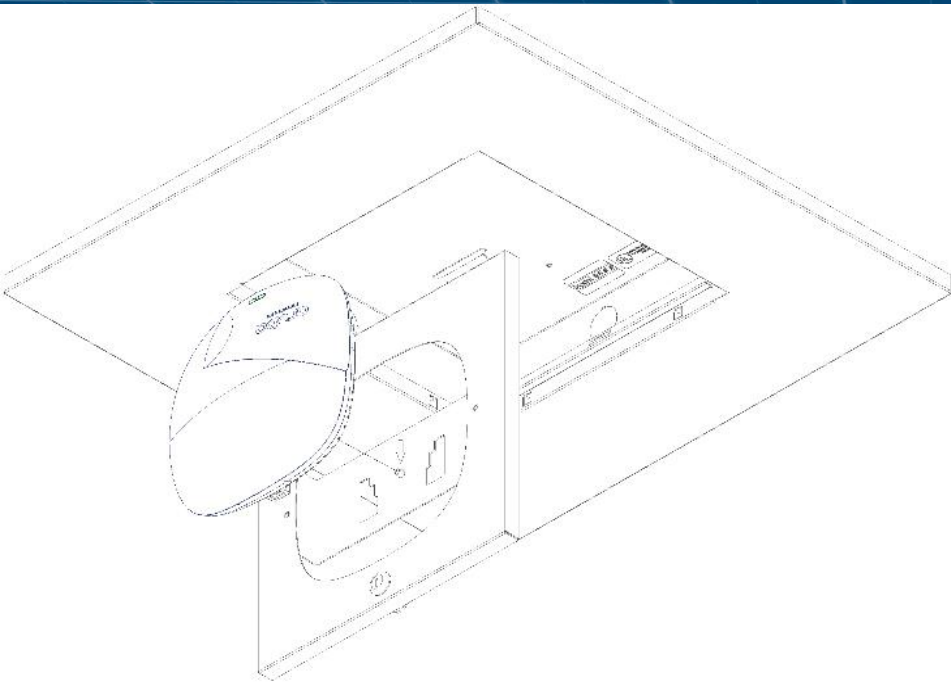
Retrofit doors, large enough for all Aruba APs.



Model 1047-AP515

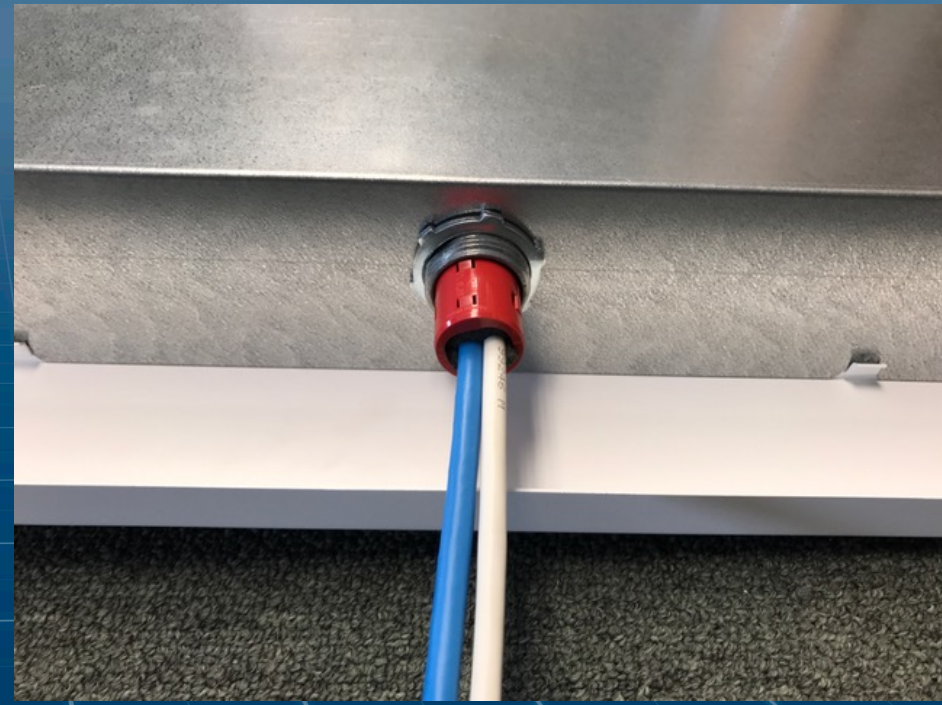
Aruba AP 515 series: Mount directly to new 38-47-ARAP515 interchangeable door.

2' X 2' Suspended Ceiling Tile Enclosures (600 mm sq in Europe)

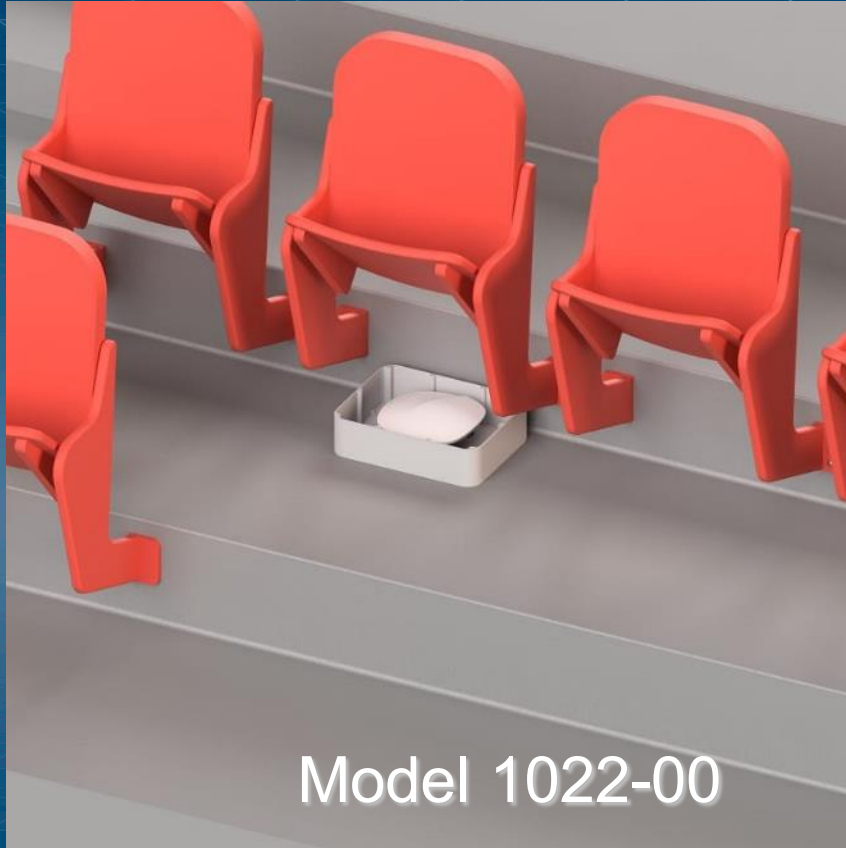


- AP mounts in locking, interchangeable doors. Doors swap out without tools or lose hardware.
- Service AP without opening plenum space. Protect AP and connectors from dust.

- Solid, dust resistant back box helps to simplify infection control (ICRA) procedures in hospitals.
- Firestop grommet seals cable egress hole, large enough for two Cat6A cables. Use non-plenum patch cord.

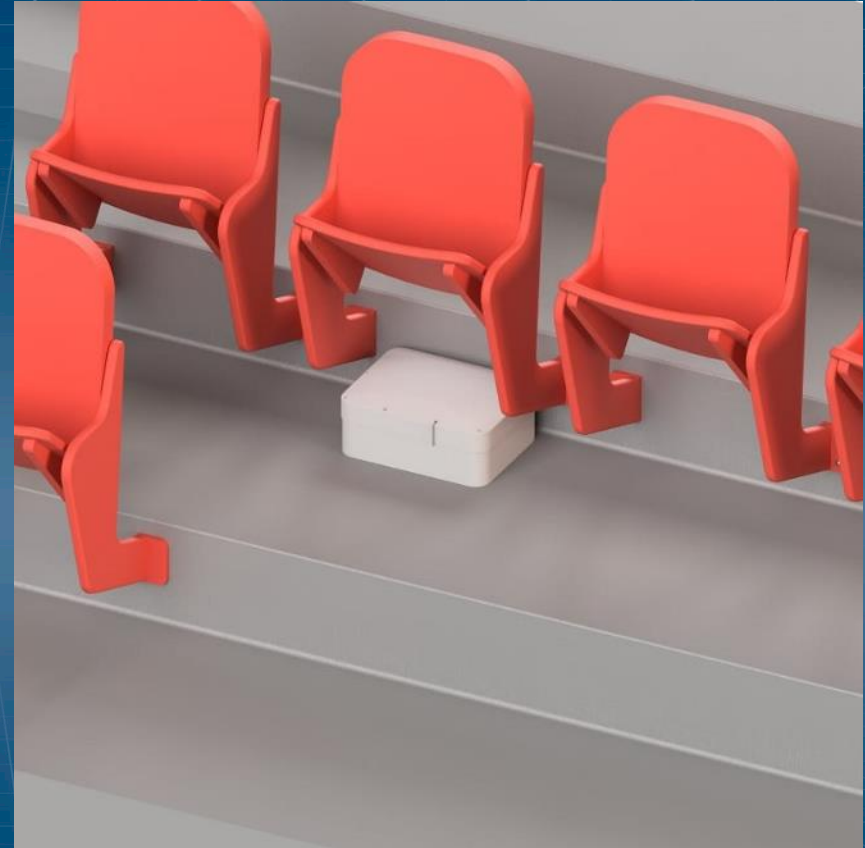


Underseat mounting enclosures



Model 1022-00

- Protect AP from power washing, spilling drinks, feet etc.
- ABS/Polycarbonate is very tough, and virtually transparent to wireless signal



- **Aruba AP 515 Series: Mount directly to internal panel**
- **In outdoor venues, use APs suitable for temperature ranges**

Outdoor Wi-Fi Applications



- Aesthetic, compact, weather-proof enclosure with sun shroud
- Conceal outdoor rated APs, antennas, cabling, and other hardware on poles and walls
- Rugged polycarbonate construction is virtually transparent to wireless signals
- **Only use APs rated for outdoor temperature ranges**

Model 1021-00-PMB-CVR

Wireless Bollard for Outdoor Wi-Fi

Model 3030-LH-BLK



- Mount APs anywhere required: parks, courtyards, green spaces, pool side, pathways, lobbies, etc.
- Conceal APs, panel and dipole antennas, cabling, power supplies, media converter, etc.
- Simple, aesthetic design; bollard is virtually transparent to wireless signal
- Only use APs rated for outdoor temperature ranges

Why Oberon Products?

- Oberon is an Aruba Ecosystem Partner
- Oberon designs AP mounting solutions *only*
- Products designed by people with wireless LAN design experience
- Products available Internationally through our international distributor Anixter