



Practical Tips for Mounting Wireless APs: Enterprise Environments

Open and high ceilings are an architectural favorite in enterprise environments — whether in modern office campuses designed to maximize natural light or in renovated corporate spaces that preserve historic architecture. But without traditional ceiling tiles or plenums, mounting wireless access points (APs) becomes more complex.

Performance, physical security, and aesthetics must all be considered from the start. Early coordination between IT, facilities, and design teams ensures seamless integration without sacrificing coverage or compliance.

Key Considerations

- **Mounting Height:** Keep indoor-rated APs with omni-directional antennas no higher than 20–30 feet to maintain coverage quality. In enterprise offices, exceeding this height can weaken signals in conference rooms, collaboration areas and workstations.
- **Interference Sources:** Watch for HVAC ducts, suspended lighting fixtures, digital signage, and acoustic baffles often found in open-plan offices. These can scatter or weaken signals, especially in spaces where employees rely heavily on video conferencing.
- **Ceiling Structures:** Decorative elements like exposed steel beams, architectural mesh, or custom ceiling grids may require specialized mounting hardware that secures the AP while maintaining a polished, professional appearance.
- **Future-Proofing:** Use mounts that support quick AP upgrades of evolving technologies and easy serviceability.
- **Aesthetic Integration:** Choose solutions that discreetly blend APs into the workplace design. In client-facing areas like lobbies, executive briefing centers, and boardrooms, a visible AP can detract from the professional atmosphere.



Oberon® Model 905 Series + 39-905-HCPLATE

Best Practices

- Conduct **predictive site surveys** before installation.
- Engage a **wireless design professional** for placement and performance optimization.
- **Lower APs closer to end devices** to reduce signal loss.
- **Protect APs and cabling** inside code-compliant enclosures.
- Plan for **easy serviceability and minimal disruption** during maintenance.

Mounting Solutions That Work

Oberon® 905 Series + 39-905-HCPLATE

- Secure hanging conduit design positions APs below obstructions.
- Hinged, lockable cover maintains aesthetics and allows authorized access.
- Low-profile box recesses AP and cabling for a professional finish.

Oberon® 900-HC Series

- Hinged conduit mount for recessed, secure AP installation.
- Snap-close cover; optional white or black accessories conceal the AP.
- Meets cable termination requirements and simplifies service.

Oberon® 1008 Series

- Designed for architecturally sensitive ceilings or joist/wall mounting.
- Black or white vanity covers hide APs within the design.
- Secure, durable construction blends seamlessly with the space.



Oberon® Model 900-HC



Oberon® Model 1008

The Bottom Line

Installing APs in high and open ceilings is about more than just hardware—it's about integrating technology invisibly into a space while meeting the demands of modern wireless performance.

By planning early, surveying thoroughly, and using high-quality mounting solutions like Oberon's, you can deliver strong coverage, protect your investment, and preserve the beauty of your environment.

Learn More

- To Explore Oberon's Complete AP Mounting Collection: [Click Here](#)
- Talk to an Expert: [Find an Oberon Specialist](#)

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QUICK TIPS

- Keep APs below 30 feet for better signal.
- Avoid interference from ducts, lights, and acoustic panels.
- Select mounts that blend in and meet building codes.
- Plan for 2–4 year AP upgrade cycles.
- Always allow for easy maintenance access.