

Establishing Outdoor Wi-Fi Networks for Schools



Whether providing drive-up options during the current crisis or preparing for ongoing and future needs, a well-designed outdoor network provides critical services to the education community.

With stay-at-home rules in effect in many locations, school districts are implementing on-line learning for their students. For those students who may have limited internet access, some schools have established outdoor Wi-Fi networks near the school where some students can access the District network while maintaining safety protocols.

These networks are an extension of the District Wi-Fi into the parking lot or other common area near the school. Students arrive by vehicle and safely connect to the school's enterprise network without leaving the car. The student quickly downloads lessons and programs and uploads assignments for the day.



For schools looking to establish such a network, Oberon can help. We know the new outdoor network must be set up quickly for immediate use where local rules permit. To meet both current and long-term needs, the AP must be secure and protected from weather, theft and tampering. Oberon's distributors are now stocking many of our leading NEMA 4 Wi-Fi AP enclosures.



Solutions for Challenging Environments

Educational facilities include a wide variety of environments, indoors and out. Oberon supports education networks with secure access point enclosures and mounts for use in diverse installation settings. Our solutions are designed to simplify installation, secure and protect the AP, and optimize the wireless performance of access points and antennas.

Oberon's most compact *Skybar* NEMA 4 enclosure conceals and protects APs with embedded antennas in locations where it is desirable to minimize the visibility of the AP. The Model 1020 is a rugged, low-loss ABS plastic enclosure. It can be painted to blend in with the environment and is ideal for courtyards and entryways. Available with a right-angle mounting bracket (to position the AP in the preferred horizontal orientation), and a pole mounting bracket.



1020-00

- Mounted on exterior walls

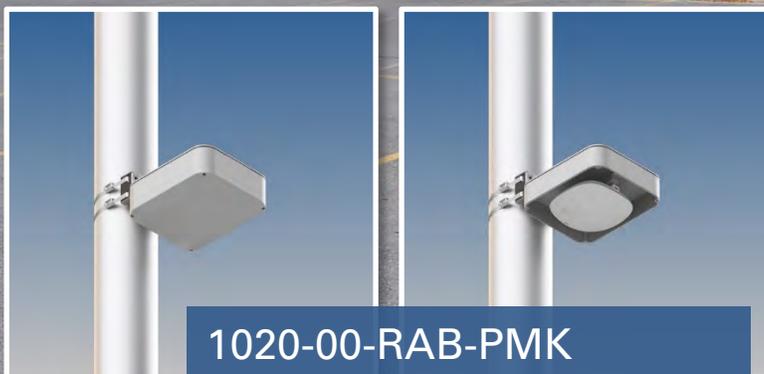


1020 Series



1020-00-RAB

- Right-angle bracket (-RAB)



1020-00-RAB-PMK

- Right-angle bracket (-RAB)
- Pole mount kit (-PMK)

1021 Series



1021-00-PMB

- Pole mount bracket (-PMB)

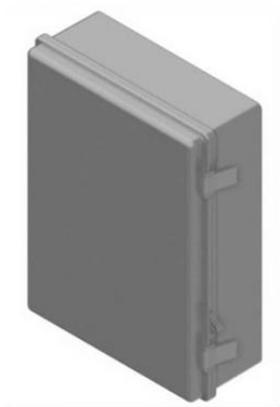


1021-00-ANTPLATE PMB

- Internal articulating mounting accessory (ANTPLATE)
- Pole mount bracket (-PMB)

Sized for flexibility, the Model 1021 *Skybar* NEMA 4 enclosure is large enough to conceal and protect APs and directional (panel) antennas. The Model 1021 is a rugged, low-loss polycarbonate plastic enclosure available with an internal articulating antenna mount and a pole mounting bracket.

The 1021 is ideal for Wi-Fi coverage in parking areas and garages as it can be mounted on the wall or on light poles. It can be painted to blend in with the environment.



The easy-to-install model 1024 NEMA 4 enclosure features a hinged, lockable lid. A universal interior mount panel will accommodate all leading vendors' APs. This rugged, polycarbonate, low-loss enclosure is available with either a clear or opaque door and is large enough for AP with attached antennas. Ideal for Wi-Fi coverage in parking areas and garages.

1024 Series



Oberon's Model 3001-00 is an outdoor shroud for concealing larger outdoor Wi-Fi and small cell APs, antennas, remote radio heads, cabling and connectors. The Model 3001-00 includes a paintable, rugged ABS plastic hinged cover which is virtually transparent to wireless signals. The 3001-00 also includes a heavy-duty panel for mounting APs, antennas, and brackets from most leading wireless vendors. Where outdoor network aesthetics is paramount, conceal and protect outdoor rated wireless equipment.

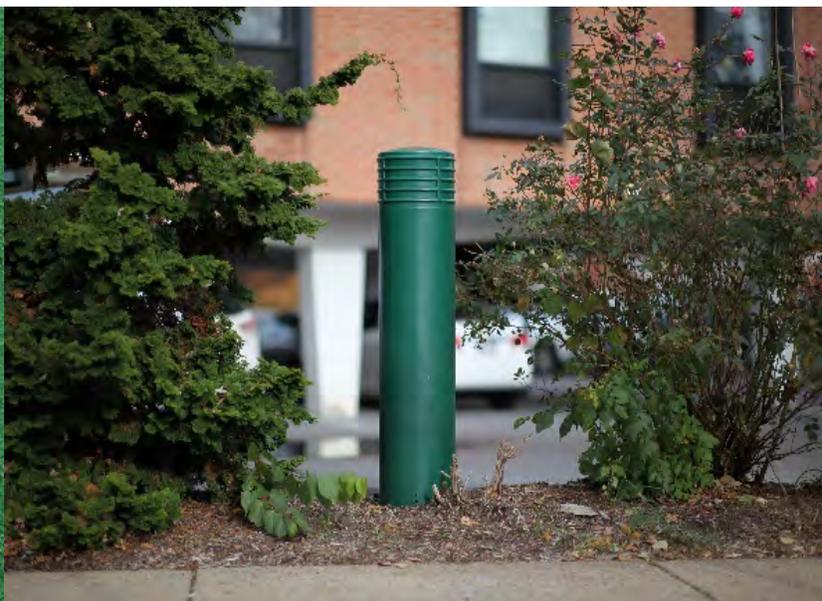
Model 3001



3032 Series



Oberon's *NetPoint* 3032 Wi-Fi Bollard extends wireless coverage into outdoor areas. These bollards are 60" tall and are large enough to conceal and protect most vendors' outdoor APs, antennas, cables, power injectors and media converters. Wi-Fi bollards allow the wireless designer to install the wireless infrastructure where it is needed, without hanging APs on walls or light poles. *Netpoint* Wi-Fi bollards are available in a wide variety of colors suitable for most campus and park environments.



In this article, we feature some of Oberon's most popular outdoor mounts and enclosures for WI-Fi APs. To find specific models for use in your installation, we recommend visiting the **Solutions Finder** on <https://oberoninc.com>, where your specific criteria can be used to find your ideal solution from hundreds of options.

For more information, please contact sales@oberoninc.com.

Knowledge and Trust When it Matters: Oberon's Manufacturer Representatives

As Oberon continues to expand its popular lines of enclosures and mounts for wireless access points and networking equipment in the United States and internationally, Manufacturer Representatives are a resource for network designers and end-users throughout the country. These highly-trained representatives are the first point of contact for new and existing customers, and they maintain a physical presence in their respective regions through conferences and site visits.

Speak to a representative in your area:

<https://oberoninc.com/sales-representatives>

View a list of Oberon's official distributors in the U.S. and worldwide:

<https://oberoninc.com/distributors>

About Oberon

Oberon offers the widest selection of indoor and outdoor wireless enclosures and aesthetic mounting solutions for securing wireless infrastructure in virtually every venue. Oberon's products are used where RF coverage, infrastructure security, environmental robustness, and aesthetics are paramount in the network implementation. Oberon is a division of Chatsworth Products.

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