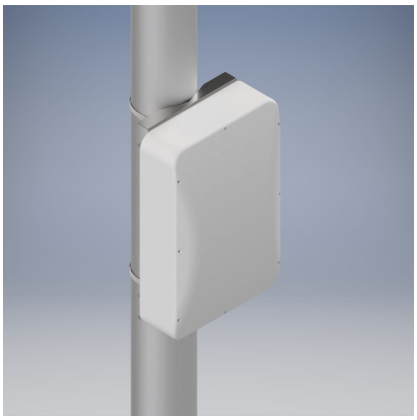
Model 1021-00-PMB

21 in. Skybar™ NEMA 4 Plastic Wi-Fi Access Point Enclosure with Opaque Screw-on Cover & Pole Mounting Bracket Accessory

Category: **Skybar**



This NEMA 4 enclosure is designed specifically to protect and conceal APs, antennas, and cabling in environments where aesthetics is paramount, and typical "industrial" NEMA 4 enclosures are not acceptable due to their appearance. The model 1021 is white with a unique "Skybar™" shaped lid with recessed screws and internal mounting features for most vendor's APs and antennas. This rugged polycarbonate enclosure protects the AP from weather, pressure spray, spilling liquids, dust, and impacts, and is transparent to wireless signals, so larger APs with external antennas can be protected. The 1021 is paintable. Available with internal directional antenna mounting plate (-ANTPLATE) and/or pole mounting bracket (PMB).

Features & Benefits

- Aesthetic "Skybar™" shaped enclosure for installing, protecting and concealing APs, antennas, and cabling in environments where aesthetics is paramount
- Virtually transparent to wireless signals
- Plastic is easily drilled and machined for custom cable ingress and installation. Enclosure is paintable
- Cover attaches with eight tamper resistant captured stainless steel screws, silicon sponge gasket material provides seal
- Large enough for larger APs from most vendors, antennas, and associated cabling

Technical Specifications

- Design: Rugged polycarbonate AP enclosure designed for surface mounting AP indoors or outdoors, including wall mounting, or light pole mounting. Conceal and protect AP, antennas, and cabling
- Performance: Designed to NEMA 1, 2, 4, 4X, 12, and 13, and IEC529-IP66 specifications for indoor/outdoor wet, dirty, or corrosive environments. UV-stabilized for exposure to direct sunlight. Transparent to wireless signals. Paintable
- Oberon Skybar™-shaped screw on cover with gasket; cover screws must be torqued to 8 in-lbs.; cover screws are recessed into cover
- Internal universal T-bar bracket and universal mounting panel
- Large enough for Cisco 3800 DART connector and external antenna, and Cisco 4800 AP
- -00 Base Configuration
- -ANTPLATE: Includes interior AP and articulating directional antenna mounting plate and bracket
- -PMB: Includes Oberon 39-POLE-MOUNT-BRACKET for mounting on 4 to 7in. diameter square or round poles
- -CVR: Includes Oberon color matched back cover to conceal the Pole Mount Bracket and cabling. (Requires -PMB). The cover acts as a partial sun shield to reduce solar heat load
- AP max. operating temperature should be de-rated by 5° C inside the enclosure, when solar loading is not present (See Oberon application note)
- For outdoor installation, the 1021 is white to reduce solar loading. Painting the 1021 a darker color will

increase solar loading. Avoid mounting the 1021 where it is directly exposed to the sun. The -PMB-CVR configuration acts as a partial solar shield
- Temperature rating: -40 to 120° C
- Construction:
  - -00: body and cover are white UL94-V0 Polycarbonate
  - -ANTPLATE: zinc plated steel AP and articulating antenna mount
  - -PMB: Adjustable worm gear stainless steel clamps for square and round pole mounting
  - -CVR: Screw-on cover is white UL94-V0 polycarbonate and ONLY available with -PMB
- Exterior Size: 21.0 x 13.5 x 5.5 in. (533 x 343 x 140 mm). Interior dimensions 19.4 x 12.0 x 5.25 in. (493 x 305 x 133 mm)

Measurements (Maximum values*):

- Width: 21 in. (533 mm)
- Height: 13.5 in. (343 mm)
- Depth: 5.5 in. (140 mm)
- Item Weight: 7 lbs. (2.7 kg)
- Shipping Weight: 9 lbs. (3.7 kg)

Includes

- (1) Whit Textured Polycarbonate UL94-V0 Enclosure
- (8) Captured M4 x 20mm Lid Screws
- (4) #6 x ¼ in. Pan Head Screws for Plastic
- (4) #6 x 3/8 in. Flat Head Screws for Plastic
- (1) T-Bar Bracket
- (4) M4 x 8mm Flat Head Screws
- (4) M4 x 8mm Pan Head Screws
- (4) Cushioning Washers
- (1) Equipment Panel
- (1) Antenna Mounting Bracket (with -ANTPLATE)
- (4) #6 x ¼ in. Pan Head Screws for Plastic (with -ANTPLATE)
- (4) #8-32 x 5/8 in. Pan Head Screws (with -ANTPLATE)
- (4) #6-32 x ½ in. Pan Head Screws (with -ANTPLATE)
- (2) Pole Mount Brackets (with -PMB)
- (4) #10-32 x ½ in. Flanged Hex Head Screws (with -PMB)
- (4) M4 x 16mm Hex Head Screws (with -PMB)
- (4) Aluminum 3/8 in. Spacer (with -PMB)
- (4) M4 Washer (with -PMB)
- (2) 7-1/8 to 10 in. Worm-Drive Clamp (with -PMB)
- (1) White ABS Cover with UV Cap (only with -PMB-CVR configurations)
- Installation instructions

Available Accessories

- 39-POLE-MOUNT-BRACKET - Model Series 1021, 1024, 1026: Pole Mount Kit
- 39-CORD-GRIP - Cord Grip Connector for Pre-Terminated Cables
- 39-RJ45-BULKHEAD - Bulkhead Modular Pass -Through

Documentation Links

- Spec Sheet - oberoninc.com/index.php?option=com_content&view=article&id=5216&Itemid=399
- Installation Instructions - oberoninc.com/images/_Instructions/Oberon_Model_1021-00-PMB_Instructions.pdf
- Customer Prints - oberoninc.com/images/_Customer_Prints/Oberon_Model_1021-00-PMB_Customer_Print.pdf
- App Note - Installation Tips for NEMA 4 Enclosures - oberoninc.com/images/WebDocs/App Note - Installation Tips for Oberon NEMA

4 Enclosures.pdf

SECTION 27_21_33 DATA COMMUNICATIONS WIRELESS ACCESS POINTS

https://oberoninc.com/images/WebDocs/SECTION_27_21_33_DATA_COMMUNICATIONS_WIRELESS_ACCESS_POINTS.pdf

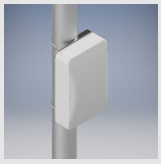
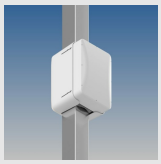
Additional Information

For Oberon product CAD files, contact customer service

Configurations: Model 1021

Please specify configuration when ordering.

1021-00	-		-		-	
		BRACKET STYLE **ANTPLATE** (Interior directional antenna mount) (otherwise leave blank)		**MOUNT STYLE** **PMB** (Pole Mount Bracket) (otherwise leave blank)		**COVER** **CVR** (Screw-on cover, only available w/ PMB) (otherwise leave blank)

SKU	Description
1021-00	Polycarbonate NEMA 4 AP Enclosure
1021-00-ANTPLATE	Polycarbonate NEMA 4 AP Enclosure with interior directional antenna mount
 1021-00-PMB	Polycarbonate NEMA 4 AP Enclosure with Oberon 39-POLE-MOUNT-BRACKET
1021-00-ANTPLATE-PMB	Polycarbonate NEMA 4 AP Enclosure with interior directional antenna mount and Oberon 39-POLE-MOUNT-BRACKET
 1021-00-PMB-CVR	Polycarbonate NEMA 4 AP Enclosure with Oberon 39-POLE-MOUNT-BRACKET and 33-1021-CVR screw-on cover
1021-00-ANTPLATE-PMB-CVR	Polycarbonate NEMA 4 AP Enclosure with interior directional antenna mount, Oberon 39-POLE-MOUNT-BRACKET and 33-1021-CVR screw-on cover

Images and documents may depict similar models in the product series.