

# ANT-132-S02

## Low Profile Wi-Fi MIMO Screw-Mount Antenna



### Applications

- Kiosks
- Vending Machines
- Digital Signage
- Point-of-Sale Terminals
- Vehicles
- Video Surveillance
- Covert Installations

### Product Features

- 2 MIMO Elements in Single Radome
- Ultra Low Profile ~ 0.6 inches Tall
- Vandal Resistant & Weatherproof
- Compatible with 2.4, 5.8 & 6 GHz Wi-Fi Systems
- •Compatible with most Access Points & Routers
- 2 ~ 4 dBi Peak Gain
- Omni-Directional
- 2 RP-SMA Male Connectors on 3 ft Coax



### Ordering Information

Part No.	Description
ANT-132-S02	Proxicast Ultra Low Profile Triple Band Wi-Fi MIMO Screw Mount Antenna for All Wi-Fi Frequencies

### General Description

For outdoor/indoor applications. Excellent for Wi-Fi hotspots, kiosks, M2M, IoT, telemetry, vending machines, meter housings, equipment sheds and vehicle applications. Connect this antenna to existing Wi-Fi routers, access points or other Wi-Fi enabled devices which have reverse polarity SMA external antenna connectors.

This low profile (~ 0.61 inches tall) fixed mount omni-directional antenna provides 2 to 4 dBi of gain and supports the 2.4, 5.8 and 6 GHz frequency bands. Permanently mounts via a 1/2 in. (12 mm) hole with internal nut. Resists vandalism with no exposed coax cable. Includes 3 ft of low-loss RG174 coax fed through center mounting post.

Completely waterproof (IP67) when installed with post extending into a water-tight enclosure.

MIMO design incorporates 2 independent and isolated elements into 1 radome for easy mounting and few holes in your enclosure.

Integrated RP-SMA male plug connectors mate with female jacks found on most Wi-Fi access points and routers.

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### Electrical Specifications

Parameter	Rating
Frequency Range	2400-2483 GHz 5150-5250 / 5725-5850 MHz 5.925-7.125 GHz Support all Wi-Fi standards through Wi-Fi 7
Peak Gain	2 ~ 4 dBi
VSWR	≤ 2
Input Impedance	50 Ohm
Polarization	Vertical
Max Input Power	50 W
DC Grounded	No
Recommended Ground Plane	8 inch (20 cm) diameter min

### Mechanical Specifications

Parameter	Rating
Connector Type	RP-SMA Male (plug) x 2
Cable Length	3 ft (1 m) of LMR RG174 low-loss coax
Height	Radome: 0.61 inches (15.5 mm) above mounting surface Overall: 1.2 inches (30.5 mm)
Diameter	Radome: 3.2 inches (81 mm) Mounting Post: 0.46 inches (11.7 mm) Post Length: 0.58 inches (15 mm) Maximum Mounting Thickness = 0.425 inches (11 mm)
Weight	2.7 oz (76.5 g)
Materials	Radome: UV stabilized ABS plastic Connector: Brass with Nickel plating Adhesive Pad: Urethane Foam
Antenna Color	Black
Vibration	10 to 55 Hz with 1.5mm amplitude 2 hours
Operating Temperature	-40°C to +85°C
Environmental Rating	IP67 (waterproof) RoHS compliant

Operation of this device outside the parameter ranges given above may cause permanent damage.

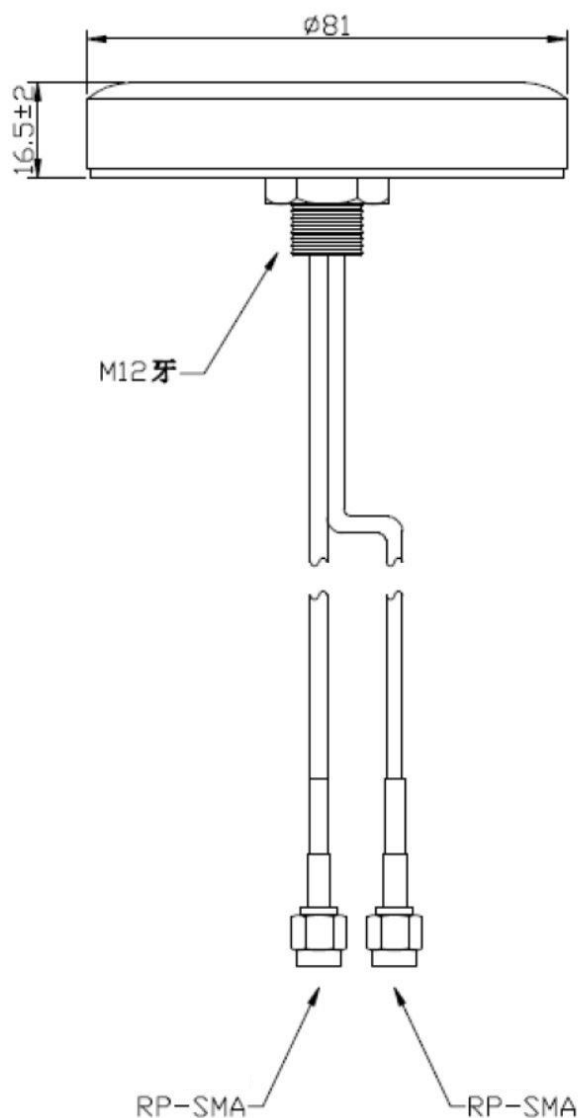
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## Mechanical Dimensions

Dimensions in millimeters



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*Low Profile Wi-Fi MIMO Screw-Mount Antenna*



## Product Images



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## Low Profile Wi-Fi MIMO Screw-Mount Antenna



### Installation Instructions

- Position away from:
  - CRT/TVs
  - Lighting fixtures & motors
  - Other antennas & wireless devices
  - Low-E or tinted/coated windows
  - Large vertical metal or concrete objects
- Drill a 1/2" (12mm) hole in flat horizontal surface
- Remove mounting nut and feed coax cable through hole
- Remove bottom plastic liner to expose adhesive
- Press antenna into hole and tighten nut & washer from underneath
- Optionally apply a thin bead of silicone caulk around the antenna rim
- Weatherproof all outdoor connectors

### Contact Information

For the latest specifications, additional product information, worldwide sales and information about Proxicast:

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