



MIMO Low Profile Surface Mount Antennas
 available with 2 or 3 MIMO elements

Surface Mount, MIMO Mobile WiFi 6e

- Multiple-Input-Multiple-Output antenna
- Models with 2 or 3-cables: each cable with identical bandwidth coverage
- Passed Industry and Military shock and vibration standards

Many of the newest wireless networks, are moving towards greater use of MIMO (Multiple-Input-Multiple-Output) systems and MIMO Antennas.

MIMO systems, also known as spatial multiplexing, transmit different data on different antenna elements. The net result is greater data throughput and improved bandwidth efficiency.

Mobile Mark's new MIMO Mobile Antenna provides two or three cable feeds, each with identical frequency coverage. Separate antenna elements are housed within a compact rugged radome.

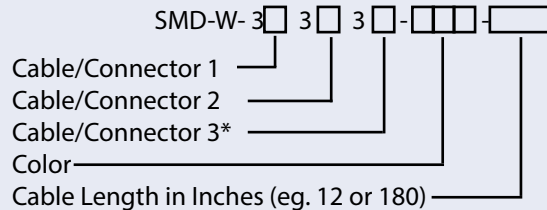
Each element is fed by a different cable; each cable covers the entire bandwidth specified.

This Low Profile Surface Mount Antenna is housed in a rugged, UV Resistant, ASA radome that measures 1.5-inches (38mm) tall x 3.5-inches (89mm) in diameter.

Standard configuration is Low Loss RF-195 cable with SMA Plug (Male).

The SMD Antenna will stand up to harsh environments. It has a water ingress rating of IPx7 and has been tested to and passed Industry and Military shock and vibration standards.

Model Configurator



Example: SMD-W-3C3C3C-WHT-180

* for 2 cable option, omit one set of cable/connectors
 eg. SMD-W-3C3C-WHT-180

Specify "MSMD" instead of "SMD" for Magnet Mount Option

| Cable Options: | | Connector Options: | | Color Options: | |
|----------------|--------|--------------------|-----------|----------------|-------|
| Code | Cable | Code | Connector | Code | Color |
| 3 | RF-195 | A | TNC | WHT | White |
| | | B | Mini UHF | BLK | Black |
| | | C | SMA | | |
| | | D | SMB | | |
| | | E | MCX | | |

(Other Configurations available.)

Specifications

| | | | |
|----------------|-----------------------------|-----------------------|--|
| Frequency: | | Color: | White or black |
| Cable 1-3 | 2.4-2.5 & 4.9-7.2 GHz | SMD Mounting: | Thru-hole, 5/8" (16 mm) diam., 3/4" (19 mm) long threaded stud |
| Gain: | 4 dBi (peak) | SMD Mounting Surface: | Up to 1/4" (6.3 mm) thick metal |
| VSWR: | 2:1 max over range | MSMD Mounting: | Magnet mount |
| Isolation: | >20 dB between elements | Connectors: | SMA Plug (Male) Standard |
| Impedance: | 50 Ohms (nominal) | Operating Temp: | -40 to +85° C |
| Max power: | 20 Watts | Shock and Vibration: | EN 61373, IEEE-1478, MIL-810G |
| Polarization: | Vertical | Water Ingress: | IPx7 (when properly mounted) |
| Power: | 20 Watts max | | |
| Cables: | RF-195, 15 ft (4.5 m) | | |
| Case: | 3.5"D x 1.5"H (89 mmx38 mm) | | |
| Weight: | 1.0 lbs (.45 kg) | | |
| Case Material: | UV resistant ASA | | |