



MIMO Low Profile Antennas with 2 Or 3 elements available in Surface Mount or Mag-Mount

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.

Surface Mount, WiFi MIMO Surface or Magnet Mount

- 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
- Water ingress rating of IPx7

Model Configurator

SMD-W- 3 3 3 - -

Cable/Connector 1 _____

Cable/Connector 2 _____

Cable/Connector 3* _____

Color _____

Cable Length in Inches (eg. 12 or 180) _____

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
e.g. MSMD-W-3C3C3C-WHT-180

<u>Cable Options:</u>		<u>Connector Options:</u>		<u>Color Options:</u>	
<u>Code</u>	<u>Cable</u>	<u>Code</u>	<u>Connector</u>	<u>Code</u>	<u>Color</u>
3	RF-195	A	TNC	WHT	White
		B	Mini UHF	BLK	Black
		C	SMA		
		J	REv Pol SMA		

(Other Configurations available.)

Specifications			
Frequency:	Cables 1-3	2.4-2.5 & 4.9-6.0 GHz	Color:
Gain:	VSWR:	4 dBi (peak)	SMD Mounting:
Isolation:	Impedance:	2:1 max over range	Thru-hole, 5/8" (16 mm) diam., 3/4" (19 mm) long threaded stud
Max power:	Max power:	>20 dB between elements	SMD Mounting Surface:
Polarization:	Power:	50 Ohms (nominal)	MSMD Mounting:
Cables:	Case:	20 Watts	Up to 1/4" (6.3 mm) thick metal
Weight:	Case Material:	Vertical	Magnet mount
Case Material:	Cables:	20 Watts max	Connectors:
	Case:	RF-195, 15 ft (4.5 m)	SMA Plug (Male) Standard
	Weight:	3.5"D x 1.5"H (89 mm x 38 mm)	-40 to +85° C
	Case Material:	1.0 lbs (.45 kg)	Operating Temp:
		UV resistant ASA	Shock and Vibration:
			EN 61373, IEEE-1478, MIL-810G
			TIA-329.2-C
			Water Ingress:
			IPx7 (when properly mounted)