

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

Many of the newest wireless networks, such as, WiMAX and WiFi 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.

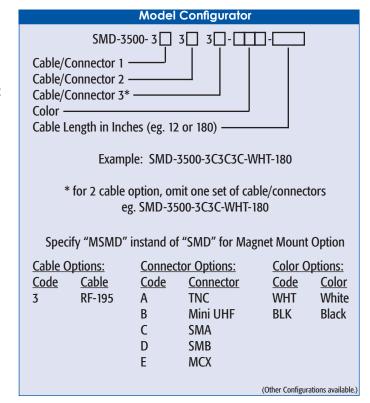
This Low Profile Surface Mount Antenna is housed in a rugged, UV Resistant, ASA radome that measures 1.5-inches (38mm) tall x 3.5-inches (89mm) in diameter.

Standard configuration is Low Loss RF-195 cable with SMA plug.

The MIMO Mobile 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: EN 61373, IEEE1478, and MIL-STD-810G.

Surface Mount MIMO Mobile WiMAX

- Multiple-Input-Multiple-Output antenna design
- Models with 2 or 3-cables: each with identical bandwidth coverage
- Passed Industry and Military shock and vibration standards
- Water ingress rating of IPx7



Specifications			
Frequency: Gain: VSWR: Isolation: Impedance: Max power: Polarization: Cables: Case:	2.1-2.7 & 3.3-3.8 GHz 4 dBi (peak) 2:1 max over range >20 dB between elements 50 Ohms (nominal) 20 watt Vertical RF-195, 15 ft (4.5m) 3.5"D x 1.5"H (89 mm x 38 mm)	Mounting: Mounting Surface: Connectors: Operating Temp: Shock and Vibration:	Thru-hole, 5/8" diameter (1.6 cm) 3/4" long (1.9 mm) threaded stud Up to 1/4" (6.3 mm) thick metal SMA Plug (Male) Standard -40 to +85° C EN 61373, IEEE-1478, MIL-810G
Case Material: Color: Weight:	UV resistant ASA White 1.0 lbs (.45 kg)	SHOCK AND VIDIATION.	TIA-329.2-C
		Water Ingress:	IPx7 (when properly mounted)