

MA-WO3860-MIMO

Preliminary

380-6000 MHz Ultra Wide Band MIMO Omni Antenna

MARS MIMO Omni Antenna provides coverage of 380-6000 MHz in a single antenna radome.

The MIMO Omni Antenna is easily installed either on ceilings or a 2" Pole Mount and is highly recommended as an outstanding antenna solution for in building or outdoor installations.

Additional Features include:

- Low/mid gain
- UV protected radome made of polycarbonate
- Low profile



Specifications

Electrical

Frequency Range	380-6000 MHz
GAIN, typ	Port 1 & 2 1-5 dBi @ 380-1200 MHz 6 dBi @ 1200-1900 MHz 7 dBi @ 1900-3300 MHz 8dBi @ 3300-6000 MHz
VSWR, max.	1.5:1 typ; 2.5: 1 max.
Polarization	Linear, Vertical
Input power, max	50 Watt
3 dB Beam Width H-Plane	Omni directional
Port to Port Isolation	5-40 dB (across the frequency band)
Input Impedance	50 Ohm
PIM, 3rd order, 2X20W	-150 dBc

Environmental

Antenna dimension (L x W x H)	295 x 125 x 147 mm (11.6" x 4.92" x 5.78")
Weight	300 gr.
Connector	2x N-Type Female or 4.3-10 optionally
Back Plane	Aluminum, protected through chemical passivation
Radome	UV Protected Polycarbonate
Mounting	Ceiling/2"Pole or Wall mount optionally

Environmental

Operating Temperature Range	-40°C to +65°C
Wind Load	200 Km/h (Survival)
Vibration	According to IEC 60721-3-4
Water Proofing	IP-67 (for outdoor use only)
Flammability	UL94
Salt Fog	According to IEC 68-2-11
Humidity	ETS 300 019-1-4, EN 302 085 (Annex A.1.1)

Ordering Options

MA-WO3860-MIMO	Antenna for Indoor with 2 x N-Type Female connector and Ceiling mount
MA-WO3860-MIMO-N	Antenna for Indoor with 2 x 4.3-10 Female connector and Ceiling mount
MA-WO3860-MIMO-R	Antenna for Outdoor with 2 x N-Type Female connector and 2" Pole/Wall mount
MA-WO3860-MIMO-NR	Antenna for Outdoor with 2 x 4.3-10 Female connector and 2" Pole/Wall mount
MA-WO3860-MIMO-NA	2 x 12" Coaxial Plenum Rated Pigtail with 4.3-10, Female Connector and Ceiling Mount
MA-WO3860-MIMO-A	2 x 12" Coaxial Plenum Rated Pigtail with N-Type, Female Connector and Ceiling Mount

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