

MA-WA55-QP4MIMO

5.1-5.9 GHz Quad Polarization 4X4 MIMO Subscriber Antenna

Mars Quad Polarization antenna provides coverage of 5.1-5.9 GHz frequency band.

Additional Features:

- Specially designed for MIMO applications
- Lightweight and durable construction.
- UV Protected radome made of Polycarbonate.

Can be customized per customer requirements



802.11 ac standard applications approved

Specifications

Electrical

Frequency range	5.1-5.9 GHz
Gain, typ.	4 X 16 dBi
VSWR, max.	2.0 : 1
Polarization	Quad Pole
3 dB Beam-Width, H-Plane, typ.	Vertical, Horizontal & Dual Slant ($\pm 45^\circ$)
3 dB Beam-Width, E-Plane, typ.	25°
Side Lobes, typ.	25°
Cross Polarization, typ.	-12 dB
Front to Back Ratio, min.	-18 dB
Port to Port Isolation	-30 dB
Input power, max.	-36 dB
Input Impedance	10 Watt
Lightning Protection	50 Ohm
	DC Grounded

Mechanical

Dimensions (HxWxD)	305 x 305 x 15 mm (12" x 12" x 0.6")
Connector	See Ordering Options
Weight	1.5 Kg.
Mounting	See Ordering Options
Radome	UV Protected Polycarbonate
Back Plane	Aluminum protected through chemical passivation

Environmental

Operating Temperature Range	-55°C to +65°C
Vibration	According to IEC 60721-3-4
Wind Load	200 Km/h (Survival)
Flammability	UL94
Water Proofing	IP-67
Humidity	ETS 300 019-1-4, EN 302 085 (Annex A.1.1)
Salt Fog	According to IEC 68-2-11

Ordering Options

MA-WA55-QP4MIMO	Antenna with 4xN-Type Female connectors suitable for MNT-22
MA-WA55-QP4MIMOB	Antenna with 4xN-Type Female connectors with MNT-22 mount
MA-WA55-QP4MIMOSMELY	Antenna with large enclosure, 4xPigtails with SMA Connectors and MNT-22

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