

# MA-WO56-DP10RD

## 4.9-5.9 GHz Dual Polarization Reinforced Omni Directional Antenna

MARS 4.9-5.9GHz Dual Polarization Reinforced Omni Directional Antenna provides a cost effective solution for large scale WLL, WLAN, ISM and Point-to-Multi Point applications.  
UV protected radome suitable for harsh environment installations.  
Antenna features stable performance with exceptional 10 dBi of gain.

**Applications:**

- Reinforced Antenna for harsh Environmental installation conditions.
- MESH Networks.
- Point-to-Point Applications.



### Specifications

**Electrical**

Frequency range	4.9 - 5.9 GHz
GAIN, typ.	4.9-5.1 GHz Vertical @ 8dBi & Horizontal @ 10dBi 5.1-5.9 GHz Vertical & Horizontal @ 10dBi
VSWR, 1.7 : 1 typ.	4.9-5.1 @ 2.5:1 max. 5.1-5.9 @ 2: 1 max.
Polarization Dual Pole	Vertical & Horizontal
3 dB Beam-Width, Azimuth, typ.	Omni - Directional
3 dB Beam-Width, Elevation, typ.	11°
Port to Port Isolation	-30 dB typ. -20 dB min.
Input power, max.	10 Watt
Lightning Protection	DC Grounded
Input Impedance	50 Ohm

**Mechanical**

Dimensions (HxDia.)	355 x 66 mm
Weight	520 gr.
Connector	2 X N-Type, Female
Radome	UV Protected Plastic
Mount	See ordering options

**Environmental**

Operating Temperature Range	-55°C to +65°C
Vibration	According to IEC 60721-3-5 Class 5M2
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-WO56-DP10RD1	Antenna included 2" Pole Mount
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