

## MA-WD56-DP16

### 4.9-6.1 GHz Dual Polarized Base Station Antenna, 90°

MARS 90° Broadband Dual Polarized Sector Antenna provides a cost effective solution for large scale WLL, WLAN, H-LAN, ISM, UNII, Public Safety, Municipal MESH Networks and Point-to-Multi-Point applications.

Additional Features:

- Stable performance with 16 dBi of gain.
- Compact size allowing easy blending with any environment.
- Tilt mount allowing quick and easy installation.
- UV protected radome suitable for harsh environment installations.



## Specifications

### Electrical

Frequency range	4.9-6.1 GHz
GAIN, typ.	16 dBi
VSWR, max.	1.7 : 1
Polarization	Dual Vertical & Horizontal
3 dB Beam-Width, H-Plane, typ.	90°
3 dB Beam-Width, E-Plane, typ.	8°
Side Lobes, min.	V-Pol. ETSI EN 302 085 V1.2.3 – CS2 H-Pol. ETSI EN 302 085 V1.2.3 – CS3
Cross Polarization, min.	-15 dB
Front to Back Ratio, min.	-30 dB
Port to Port Isolation, typ.	-30 dB
Input power, max.	10 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

### Mechanical

Dimensions (HxWxD)	370 x 370 x 40 mm (14.5" x 14.5" x 1.6")
Weight	2 kg.
Connector (without enclosure)	2 x N-Type, Female
Connector (with enclosure)	2 x SMA
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected Polycarbonate
Enclosure - Large	287 x 287 x 68 mm. (External dimension)
Mount	See ordering options

### 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
Ice and Snow	25mm radial (survival)

## Ordering Options

MA-WD56-DP16	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WD56-DP16B	Antenna with MNT-22 mount
MA-WD56-DP16SMEL	Antenna with large enclosure, 2xSMA Connectors and MNT-22
MA-WD56-DP16SMELZ	Antenna with large enclosure, 2xSMA Connectors with PEMs and MNT-22

Patterns are available on our website

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