

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

MA-WD56-DP16

MARS 90Broadband 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 for easy blending with any environment
- tilt mount allowing for quick and easy installations
- 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
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
Polarization	Dual, Vertical and Horizontal
Cross Polarization, min.	-15 dB
Port to Port Isolation	- 30 dB
Front to Back Ratio, min.	-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	1.8 kg
Connector	2 x N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected, Plastic
Mount	<u>MNT-22</u>

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)
Ice and Snow	25mm radial (survival)
Salt Fog	According to IEC 68-2-11
Service Life	>10 years

Ordering Options

Antenna with mount	MA-WD56-DP16 B
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