5.7-6.425 GHz Dual Polarized Base Station Antenna, 90°

MA-WD62-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 installation
- UV protected radome suitable for harsh environment installations

Specifications:

Electrical	
Frequency range	5.7 - 6.425 GHz
Gain,typ.	16 dBi
VSWR, max.	1.7:1
3.5 dB Beam-Width, H-Plane,typ.	90 °
3 dB Beam-Width, E-Plane, typ.	8.5 °
Side Lobes, min.	-25 dB (azimuth)
Polarization	Dual, Vertical and Horizontal
Cross Polarization, min.	-18 dB
Port to Port Isolation	- 45 dB
Front to Back Ratio, min.	-40 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" x14.5" x1.6")
Weight	2 kg
Connector	2 x N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected, Plastic
Mount	MNT-22
Environmemtal	
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-WD62-DP16 B