

5 GHz Base Station (Sector) Antenna, 90°

- MA-WD55-16

MARS 90° Broadband Sector (Base Station) 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
- small 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	4.9 - 6.1 GHz
Gain, typ.	16 dBi
VSWR, max.	1.8:1
3 dB Beam-Width, H-Plane, typ.	90 °
3 dB Beam-Width, E-Plane, typ.	8 °
Side Lobes, min.	ETSI EN 302 085 V1.2.3 â€“ CS1
Polarization	Linear Vertical
Cross Polarization, min.	ETSI EN 302 085 V1.2.3 â€“ CS1
Front to Back Ratio, min.	ETSI EN 302 085 V1.2.3 â€“ CS1
Input power, max	50 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	573 x 95 x 53 mm (22.6"x3.7"x2.1")
Weight	700 gr.
Connector	N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected, Plastic
Mount	MNT-22

Environmental

Operating Temperature Range	- 40°C to + 65°C
Vibration	According to IEC 60721-3-4
Wind Load	200 km/h (survival)
Flammability	UL94
Water Proofing	IP-65
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

Standard Compliance

ETSI EN 302 085 V1.2.3 â€“ CS1

Ordering Options

Antenna with mount	MA-WD55-16 B
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conditions of sale are applicable on any purchase of any product and are available in the "Policies" section.