

MA-WD55-2DS16

5.1 – 5.9 GHz, Double Dual-Slant (2 x $\pm 45^\circ$), Base Station Antenna, 90°

MARS wideband 90° sector antenna provides coverage for 5.1-5.9 GHz band with double dual slant ($\pm 45^\circ$) in a single antenna radome with high aperture efficiency.

Additional Features:

- Wide coverage
- Total 4 outputs
- Pole or wall mounting
- A possibility of mounting Access Point upon antenna



Specifications

Electrical

Frequency range	5.1 – 5.3 GHz	5.3 – 5.9 GHz
Gain, typ.	15 dBi	16 dBi
VSWR, max.	1.7 : 1	
Polarization	2 x $\pm 45^\circ$	
3 dB Beam-Width, Azimuth, typ.	90°	
3 dB Beam-Width, Elevation, typ.	8°	
Side Lobe Level (Elevation), min.	-10 dB	
Front to Back Ratio, min.	-32 dB	
Port to Port Isolation, min.	-25 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	4 x N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected Polycarbonate
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-WD55-2DS16	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WD55-2DS16B	Antenna with MNT-22 mount

MARS Antennas & RF Systems proprietary information

MARS reserves the right to make technical changes or modifications to any of its products and specifications without prior notice and without implementing such changes to prior supplied products. Product images are representative and indicative only. Warranty terms and general conditions of sale are applicable on any purchase of any product, available on MARS website.

3 Hamanor st. Holon 5886103, P.O.Box 1852 Holon 5811801, Israel

Tel: +972-3-5599661 • Fax: +972-3-5599677 • e-mail: mars@marsant.co.il • web: www.mars-antennas.com