

## MA-WD62-DS16

### 5.7-6.425 GHz Dual Slant Base Station Antenna, 90°

MARS Dual Slant  $\pm 45$  degrees 90° sector antenna features:

- Efficient and stable performance with 15.5 dBi of gain.
- Full 5.7-6.425 GHz band coverage.
- High Isolation ratio.
- Compact size.
- Optional Azimuth & Elevation Adjustable mount.
- UV protected radome suitable for harsh environment installations.
- Square shape.



### Specifications

#### Electrical

Frequency range	5.7-6.425 GHz
GAIN, typ.	15.5 dBi
VSWR, max.	1.7 : 1
Polarization	Dual Slant $\pm 45^\circ$
3 dB Beam-Width, Azimuth, typ.	90°
3 dB Beam-Width, Elevation, typ.	8.5°
Side Lobe level ( Elevation),min.	-12 dB
Front to Back Ratio.	-35 dB
Cross Polarization, min.	-15 dB
Port to Port Isolation	-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" 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 Polycarbonate
Mount	See ordering options

#### 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-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-WD62-DS16	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WD62-DS16B	Antenna with MNT-22 mount

Patterns are available on our website

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](mailto:mars@marsant.co.il) • web: [www.mars-antennas.com](http://www.mars-antennas.com)