

## MA-WD36-16

### 3.3-3.8 GHz Sector Antenna for WiMAX Applications, 90°

MARS 90° Base Station Antenna is light-weight with a robust and durable construction.

Additional Features:

- Specially designed for WiMAX applications.
- Quick and easy installation.
- Easy mounting allowing obtaining required down tilt.
- Suitable for harsh environment installations.
- DC grounded.

Applications:

- WiMAX – licensed band applications.
- Point-to-Multi Point Applications.
- WLL applications.



## Specifications

### Electrical

Frequency range	3.3-3.8 GHz
GAIN, typ.	15.5 dBi
VSWR, max.	1.7 : 1
Polarization	Linear, Vertical
3 dB Beam-Width, H-Plane, typ.	90°
3 dB Beam-Width, E-Plane, typ.	9°
Side Lobes, min.	ETSI EN 302 085 V1.2.3-CS1
Cross Polarization, min.	ETSI EN 302 085 V1.2.3-CS1
Front to Back Ratio, min.	ETSI EN 302 085 V1.2.3-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" x 3.7" x 2.1")
Weight	700 gr.
Connector	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)

### Standard Compliance

ETSI EN 302 085 V1.2.3 – CS1

## Ordering Options

MA-WD36-16	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)
MA-WD36-16B	Antenna with MNT-22 mount

Patterns are available on our website

Mars Antennas & RF Systems proprietary information

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