

3.3-3.8 GHz Dual Polarization/ Dual Slant Subscriber Antenna

- MA-WA36-DP21

MARS Broadband Dual Polarized Subscriber Antenna provides a cost effective solution for WiMAX applications.

Additional Features:

- dual slant if mounted diagonally
- stable performance with 22 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	3.3 - 3.8 GHz
Gain	H-Port & V-Port 22 dBi
VSWR, max.	1.7:1
3 dB Beam-Width, H-Plane, typ.	12 °
3 dB Beam-Width, E-Plane, typ.	12 °
Side Lobes, min.	ETSI TS3
Polarization	Linear, Vertical and Horizontal
Cross Polarization, min.	ETSI TS3
Port to Port Isolation	- 35 dB
Front to Back Ratio, min.	ETSI TS3
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	2.1 kg
Connector	2x SMA, Female or 2x N-Type, Female
Back Plane	Aluminum; protected through chemical passivation
Radome	Plastic UV Protected
Mount	<u>MNT-22</u>

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)
Ice and Snow	25mm radial (survival)
Salt Fog	According to IEC 68-2-11
Service Life	>10 years

Ordering Options

Antenna with 2 x SMA, Female Connector and mount	MA-WA36-DP21 B
Antenna with 2x N-Type, Female Connector suited for MNT-22	MA-WA36-DP21 NB
Antenna with 2xSMA, Female Connector Suited for MNT-22	MA-WA36-DP21
Antenna with 2xN-Type, Female Connector suited for MNT-22	MA-WA36-DP21 N

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