

MA-WD2455-DS18

2.3 – 2.7 GHz & 5.1 – 5.9 GHz, 4X4 Dual Band, Dual-Slant Base Station Antenna, 90°

MARS MA-WD2455-DS18 is a 4X4 (MIMO) high gain antenna with Dual band, Dual Slant antenna provides coverage of 2.3-2.7 GHz frequency band and 5.1-5.9 GHz frequency band in a single antenna radome.

Additional Features:

- Designed to meet WAVE2, 802.11ac & more.
- Easy mounting allowing Az/EI adjustment.



Specifications

Electrical

Frequency range	2.3-2.7 GHz	5.1-5.9 GHz
Gain, typ.	16 dBi	18 dBi
VSWR, max.	2.0 : 1	
Polarization, Dual-Slant	±45°	±45°
3 dB Beam-Width, Azimuth, typ.	90°	90°
3 dB Beam-Width, Elevation, typ.	8°	4°
Side Lobes, min.	-10 dB	
Cross Polarization, typ.	-15 dB	
Front to Back Ratio, min.	-32 dB	
Port to Port Isolation, min. Intra-band	-17 dB	-30 dB
Inter-band	-35 dB	
Input power, max	50 Watt	
Input Impedance	50 Ohm	
Lightning Protection	DC Grounded	

Mechanical

Dimensions (HxWxD)	807 x 464 x 50 mm (31.77" x 18.27" x 1.97")
Weight	3 Kg.
Connector	4 x N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected Plastic
Mount	MNT-25

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)
Salt Fog	According to IEC 68-2-11

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