

4.9-6.1 GHz MIMO Base Station Antenna, 90°

MA-WD55-16MIMO

Antenna Features:

- specially designed for MIMO applications
- quick and easy installation
- easy mounting allows to obtain required down tilt
- suitable for harsh environment installations
- DC grounded



Specifications:

Electrical

Frequency range	4.9 - 6.1 GHz
Gain, typ.	3x 16 dBi
VSWR, max.	1.8:1
3.5 dB Beam-Width, H-Plane, typ.	90 °
3 dB Beam-Width, E-Plane, typ.	8 °
Side Lobes, min.	ETSI EN 302 085 V1.2.3-CS1
Polarization	Linear Vertical
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)	400 x 300 x 50 mm (15.7" x 11.8" x 2")
Weight	2.5 kg
Connector	3 x N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected, Plastic
Mount	<u>MNT-22</u>

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

Standard Compliance

ETSI EN 302 085 V1.2.3-CS1