

## MA-WD24-13MIMO

### 2.3-2.7 GHz MIMO Base Station Antenna, 90°

**Antenna Features:**

- Quick and easy installation.
- Aesthetic and unobtrusive radome.
- Easy mounting allows obtaining required down tilt degree.

**Applicable Applications:**

- Point-to-Multi-Point Systems.
- WLL applications.
- MMDS.
- ISM applications.



## Specifications

### Electrical

Frequency range	2.3-2.7 GHz
GAIN, typ.	3 x 13 dBi
VSWR, max.	1.7 : 1
Polarization	Linear, Vertical
3 dB Beam-Width, H-Plane, typ.	90°
3 dB Beam-Width, E-Plane, typ.	15°
Side Lobes, min.	-12 dB
Cross Polarization, min.	-20 dB
Front to Back Ratio, min.	-24 dB
Input power, max.	50 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

### Mechanical

Dimensions (HxWxD)	400 x 308 x 80 mm (15" x 8.9" x 3.1")
Weight	2 kg.
Connector	3 x N-Type, Female
Back Plane	Aluminum protected through chemical passivation
Radome	UV Protected, Plastic
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-65
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-WD24-13MIMO	Antenna Suited for MNT-22 (optional tilt mount)
MA-WD24-13MIMOB	Antenna with MNT-22 mount

Patterns are available on our website

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