



MA-WA24-2X

2.3-2.7 GHz Subscriber Antenna

MARS 2.4 GHz Antenna is a wide band antenna designed for LTE, Wi-Fi, LAN, MMDS, WLL and WiMAX applications.

Additional Features:

- · Exceptionally efficient performance.
- High gain/size ratio.
- · Aesthetic design.
- Weatherized and durable.

The antenna with the enclosure (small or large) solution is Waterproof and Weatherproof with provisions for Azimuth/Elevation Adjustable mount. This solution enables WISP/Integrator to design his own low cost, weatherized subscriber unit, saving high costs of special antenna-radio integration.



Specifications

Electrical

	2.000.100.
Frequency range	2.3-2.7 GHz
GAIN, typ.	2.3-2.4 @ 17 dBi 2.4-2.7 @ 18 dBi
VSWR, max.	1.5 : 1
Polarization	Linear, Vertical (Horizontal with MNT-22 Option)
3 dB Beam-Width, H-Plane, typ.	21°
3 dB Beam-Width, E-Plane, typ.	20°
Side Lobes, min.	-16 dB
Cross Polarization, min.	-26 dB
Front to Back Ratio, min.	-26 dB
Input power, max.	30 Watt
Input Impedance	50 Ohm
Lightning Protection	DC Grounded

Mechanical

Dimensions (HxWxD)	305 x 305 x 15 mm (12" x 12" x 0.6")
Weight	1 kg (without Enclosure)
Connector (without enclosure)	N-Type, Female
Connector (with enclosure)	SMA Female / Pig Tail with MCX, Female (*)
Back Plane	Aluminum; protected through chemical passivation
Radome	UV Protected Polycarbonate
Enclosure - Small	171 x 167 x 68 mm. (External dimension)
Enclosure - Large	287 x 287 x 68 mm. (External dimension)
Mount	See ordering options

Environmental

to IEC 60721-3-4 (survival)
(survival)
019-1-4, EN 302 085 (annex A.1.1)
to IEC 68-2-11
dial
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Standard Compliance

ETSI EN 302 085 V1.2.3 - TS1, TS2, TS3

Ordering Options		
MA-WA24-2X PM	Antenna with integral Pole Mount includes stainless steel brackets	
MA-WA24-2X MNT	Antenna Suited for MNT-22 (optional wall/pole adjustable mount)	
MA-WA24-2X MNTB	Antenna with MNT-22 mount	
MA-WA24-2X SM ESY / MA-WA24-2X MC ESY	Antenna with small enclosure, SMA/pig tail Connector and MNT-22	
MA-WA24-2X SM ESZ / MA-WA24-2X MC ESZ	Antenna with small enclosure, SMA/pig tail Connector with PEMs and MNT-22	
MA-WA24-2X SM ELY / MA-WA24-2X MC ELY	Antenna with large enclosure, SMA/pig tail Connector and MNT-22	
MA-WA24-2X SM ELZ / MA-WA24-2X MC ELZ	Antenna with large enclosure, SMA/pig tail Connector with PEMs and MNT-22	

(*) Can be customized with different connector configuration

Patterns are available on our website

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