

## MA-WA27TB-DP8

### 698-960 MHz & 1695-2700 MHz & 5100-5900 MHz, Triple Band & Dual Pol Directional Antenna

MARS Triple band & Dual Polarized Antenna covers all the bands for LTE, 3G, 2.5G and 2G cellular, as well as ISM, WLAN, Bluetooth, GSM 900, GSM 1900 and WIFI.

- 2 RF Connectors for 698-2700 MHz (Vertical and Horizontal) and
- 2 RF Connectors for 5100-5900 MHz (Vertical and Horizontal)

The antenna is easy-installed and is highly recommended as an outstanding logistic solution for Outdoor installations as well as In-Building Installations.



#### Available in iBwave database

### Specifications

#### Electrical

	698-960 MHz	1695-2300 MHz	2300-2700 MHz	5100-5900 MHz
Frequency range	698-960 MHz	1695-2300 MHz	2300-2700 MHz	5100-5900 MHz
Gain, typ.	7.5 dBi	8 dBi	10 dBi	9 dBi
VSWR, max.	2.0 : 1	2.0 : 1	2.0 : 1	2.0 : 1
Polarization	Dual-Pol Vertical & Horizontal			
Port to Port Isolation, min.	-35 dB	-29 dB	-29 dB	-40 dB
3dB Beam-Width, E-plane, typ.	70°	50°	40°	60°
3dB Beam-Width, H-plane, typ.	75°	75°	54°	60°
Front to Back Ratio, min	-20 dB	-22 dB	-25 dB	-30 dB
PIM, typ.	-150 dBc			
Input power, max.	50 Watt			
Impedance	50 Ohm			
Lightning Protection	DC Grounded			

#### Mechanical

Dimensions (HxWxD)	400 x 308 x 126 mm (15.74" x 12.12" x 4.96" )
Connector	See Ordering Options
Weight	2 kg.
Mounting	See Ordering Options
Radome	UV Protected Plastic
Back Plane	Aluminum protected through chemical passivation.

#### 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-65
Humidity	ETS 300 019-1-4, EN 302 085 (Annex A.1.1)
Salt Fog	According to IEC 68-2-11

### Ordering Options

MA-WA27TB-DP8	Antenna 4 x N-Type Female connectors Suited for MNT-22 mount
MA-WA27TB-DP8DIN	Antenna 4 x 4.3-10 Female connectors Suited for MNT-22 mount
MA-WA27TB-DP8B	Antenna 4 x N-Type Female connectors with MNT-22 mount
MA-WA27TB-DP8DINB	Antenna 4 x 4.3-10 Female connectors with MNT-22 mount

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