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MARS 4G Panel Antenna, 5dBi, 698 to 2700 MHz, N Female

SKU
ANT-MA-00004
MPN
MA-CLTE-14B

Description

The MARS 4G Panel Antenna (SKU: ANT-MA-00004) is a versatile solution designed for a wide range of wireless applications, including LTE, WiMAX, Cellular, and Wi-Fi systems. Operating within the 698 to 2700 MHz frequency range, this antenna features a peak gain of up to 6.5 dBi, ensuring robust performance across various bands. The unit is housed in a durable polycarbonate enclosure with an IP65 rating, offering excellent protection against harsh environmental conditions.

This antenna is equipped with a single N Female RF connection, supporting up to 10 W of input power and maintaining a 50 Ω impedance. Its linear polarisation and compliant with RoHS standards, make it suitable for both fixed and mobile, standalone or embedded applications. The MARS 4G Panel Antenna is engineered to meet IEC 60068-2-11: Salt Mist standards, ensuring reliability in challenging environments.

Manufactured by MARS Antennas, a leader in antenna design and RF...

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MARS Antennas

MARS Antennas & RF Systems is a world class antennas design and manufacturer, RF solutions provider and R&D Company with a proven capacity to design and provide cost effective products with exceptional performance. Since 1994, MARS has been specializing in Outdoor & In-Building Multi Polarized Antennas. MARS subscriber & base station antennas are used in LTE, WiMAX, Cellular, Mobile, MIMO, WLAN ...

RF Specification

Start Frequency

698 MHz

Stop Frequency

2270 MHz

Max. Input Power

10 W

Polarisation

Linear

Input Impedance

50 Ω

RF Connectors

Ports	RF Interface	Body Shape
1	N Female	Straight

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation
698 MHz	806 MHz	5 dBi	< 2:1	130°	70°
806 MHz	960 MHz	6 dBi	< 2:1	140°	60°
1710 MHz	2170 MHz	6.5 dBi	< 1.7:1	80°	45°
2200 MHz	2270 MHz	5 dBi	< 1.7:1	55°	30°

Physical Specification

Subtype

Panel / Sector

Input Ports

1

MIMO

1x1 SISO

Min. Operating Temperature

-40 °C

Max. Operating Temperature

65 °C

Dimensions

231 x 215 x 37.5

Ingress Protection

IP65

Materials

Plastic, Polycarbonate (PC)

Weight

0.5 kg

Compliance/Certifications
RoHS
Mechanical Compliance
IEC 60068-2-11: Salt Mist

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