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Panorama Multi-band 4G-5G MIMO Gain Antenna with GPS/GNSS, 5m SMA Male

SKU
ANT-PA-00006
MPN
WMM8GG-7-38-5SP

Description

The Panorama Multi-band 4G-5G MIMO Gain Antenna with GPS/GNSS (SKU: ANT-PA-00006) is designed for seamless integration into advanced communication systems. Developed by Panorama Antennas, this model, WMM8GG-7-38-5SP, is built to support robust data transmission across a broad range of frequencies from 698 MHz to 3800 MHz.

Featuring dual 2x2 MIMO antenna elements, each with 50 Ω impedance and capable of handling up to 20 W input power, the antenna ensures enhanced connectivity and performance. Both elements are Slant +45° polarised and deliver peak gains of up to 9.0 dBi with VSWR below 1.5:1, maintaining radiated efficiency at 60% across designated frequency bands.

Constructed from durable ASA plastic, this antenna is IP65 rated for protection against dust and water, making it ideal for challenging environments. With a temperature operating range of -30 °C to 80 °C, it is adaptable for various applications including critical...

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Panorama Antennas

Panorama’s constant cutting-edge research ensures that our antennas meet the demands of the very latest communication technologies. Trusted by thousands of professionals and consumers the world over, our antennas are depended upon to provide communications even in the most challenging conditions.

Currently, Panorama specialises in professional antenna solutions for modern communications ...

RF Specification

Antenna 1

Start Frequency
698 MHz
Stop Frequency
3800 MHz
Max. Input Power
20 W
Polarisation
Slant +45°
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	RG-58	5000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Efficiency
698 MHz	960 MHz	6 dBi	< 1.5:1	60%
1710 MHz	2170 MHz	9 dBi	< 1.5:1	60%
3400 MHz	3800 MHz	9 dBi	< 1.5:1	60%

Antenna 2

Start Frequency
698 MHz
Stop Frequency
3800 MHz
Max. Input Power
20 W
Polarisation
Slant +45°
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	RG-58	5000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Efficiency
698 MHz	960 MHz	6 dBi	< 1.5:1	60%
1710 MHz	2170 MHz	9 dBi	< 1.5:1	60%
3400 MHz	3800 MHz	9 dBi	< 1.5:1	60%

Physical Specification

Input Ports
2
MIMO
2x2 MIMO
Min. Operating Temperature
-30 °C
Max. Operating Temperature
80 °C
Dimensions
230 x 180 x 94
Ingress Protection
IP65
Materials
ASA Plastic
Weight
0.96 kg

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