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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...



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 Straight **RG-58** 5000 mm SMA Male 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 <u>SMA Male</u> <u>Straight</u> <u>RG-58</u> 5000 mm

Frequency Test Data

 Start Freq. Stop Freq. Peak Gain
 VSWR Efficiency

 698 MHz
 960 MHz
 6 dBi
 < 1.5:1 60%</td>

 1710 MHz
 2170 MHz
 9 dBi
 < 1.5:1 60%</td>

 3400 MHz
 3800 MHz
 9 dBi
 < 1.5:1 60%</td>

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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