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Panorama 4G-5G GPS/GNSS MIMO Cellular and WiFi Antenna, 3m SMA Male

SKU
ANT-PA-00015
MPN
BATGM-7-60-24-58

Description

The Panorama 4G-5G GPS/GNSS MIMO Cellular and WiFi Antenna (SKU: ANT-PA-00015) by Panorama Antennas offers robust connectivity for diverse communication needs. Designed with an adhesive patch form factor, it features five RF connections, ensuring comprehensive coverage across multiple technologies including 4G, 5G, GPS/GNSS, and WiFi.

This antenna operates efficiently across a wide temperature range of -30 °C to 70 °C, making it suitable for various environmental conditions. Constructed from durable ASA plastic, it adheres to ISO 9001 quality standards, ensuring reliability and durability.

The antenna supports a frequency range from 617 MHz to 6000 MHz for cellular and WiFi applications, delivering peak gains up to 6.0 dBi. It maintains excellent inter-port isolation and radiated efficiency, crucial for high-performance communication systems.

The integrated GPS/GNSS element operates between 1559 MHz and 1612 MHz, featuring right-hand...

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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

Elements 1&2

Start Frequency
617 MHz
Stop Frequency
6000 MHz
Max. Input Power
20 W
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	RG-58	3000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Efficiency	Inter-Port Iso.
617 MHz	960 MHz	2 dBi	< 2.1:1		> 10 dB
1427 MHz	2170 MHz	3 dBi	< 2.1:1	55%	> 10 dB
2500 MHz	6000 MHz	6 dBi	< 2.1:1	55%	> 10 dB

Element 3 (GPS)

Start Frequency
1559 MHz
Stop Frequency
1612 MHz
Polarisation
Right Hand Circular (RHCP)
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	RG-174	3000 mm

Elements 4&5 (WiFi)

Start Frequency
2400 MHz
Stop Frequency
7200 MHz
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	RP-SMA Male	Straight	RG-58	3000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Efficiency
2400 MHz	7200 MHz	4 dBi	< 2.5:1	55%

Element 3

Start Frequency
1559 MHz
Stop Frequency
1612 MHz
Input Impedance
50 Ω
Polarisation
Right Hand Circular (RHCP)

Low Noise Amplifier (LNA)

LNA Gain
26 dBic
Noise Figure
≤ 3 dB
Power Consumption
< 20 mW
Min. Operating Voltage
3.5 V
Max. Operating Voltage
5 V
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	RG-174	3000 mm

Physical Specification

Subtype
Adhesive Patch
Input Ports
5
MIMO
2x2 MIMO
Min. Operating Temperature
-30 °C
Max. Operating Temperature
70 °C
Dimensions
214 x 77 x 16.5
Materials
ASA Plastic
Compliance/Certifications
ISO 9001 Quality Management

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