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Panorama 7-in-1 LTE MIMO WiFi and GNSS Antenna, White, with Loose Cables

SKU
ANT-PA-00103
MPN
LG-IN2350-W-LC

Description

The Panorama 7-in-1 LTE MIMO WiFi and GNSS Antenna is a versatile communication solution designed for advanced connectivity in demanding environments. This antenna is ideal for applications requiring robust mobile and wireless communication, such as in transportation, emergency services, and remote monitoring systems. It supports 2x2 MIMO technology, enhancing data throughput and reliability by utilising multiple signal paths to reduce interference. With a broad frequency range from 617 MHz to 6000 MHz, the antenna efficiently handles 4G/5G networks, ensuring high-speed data transfer and stable connections.

Equipped with IP69K ingress protection, this antenna is built to withstand harsh weather conditions, making it suitable for outdoor installations on vehicles or fixed structures. The integrated GNSS capability supports GPS, enabling precise location tracking essential for navigation systems. The antenna’s polycarbonate and aluminium...

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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

4G/5G

Start Frequency
617 MHz
Stop Frequency
6000 MHz
Polarisation
Linear
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	RG-174	0.3 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Efficiency
617 MHz	960 MHz	6.2 dBi	72%

Start Freq.	Stop Freq.	Peak Gain	Efficiency
1427 MHz	4200 MHz	8.1 dBi	72%
4400 MHz	6000 MHz	7.4 dBi	72%

WiFi

Start Frequency
2400 MHz
Stop Frequency
7125 MHz
Polarisation
Linear
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Female	Straight	RG-174	0.3 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Efficiency
2400 MHz	2500 MHz	8.9 dBi	54%
5150 MHz	7125 MHz	10.2 dBi	54%

GPS/GNSS

Start Frequency
1562 MHz
Stop Frequency
1612 MHz
Input Impedance
50 Ω
Polarisation
Right Hand Circular (RHCP)

Low Noise Amplifier (LNA)

LNA Gain
26 dBic
Noise Figure
≤ -2.7 dB
Min. Operating Voltage

3 V

Max. Operating Voltage

5 V

RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	FME Female	Straight	RG-174	0.3 mm

Physical Specification

Subtype

Fin / Stud / Combo

Input Ports

9

MIMO

2x2 MIMO

Min. Operating Temperature

-40 °C

Max. Operating Temperature

80 °C

Dimensions

75 x 180 (H x Dia)

Ingress Protection

IP69K

Materials

Polycarbonate (PC), Aluminium, Thermoplastic Elastomer (TPE)

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