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Panorama 9-in-1 5G Dome Antenna, White, with Fitted External Cables

SKU: ANT-PA-00104

MPN: LG-IN2446-W

Description

The Panorama 9-in-1 5G Dome Antenna is a versatile communication solution designed for robust and high-performance connectivity. It supports 4x4 MIMO technology, crucial for enhancing data throughput and reliability in 4G and 5G networks. This antenna is ideal for applications requiring consistent and high-speed wireless communication, such as mobile broadband, public safety, and remote monitoring systems. It operates effectively across a wide frequency range from 617 MHz to 6000 MHz, ensuring compatibility with various network standards.

Constructed with durable polycarbonate and aluminium materials, it withstands harsh environmental conditions, with an impressive operating temperature range of -40 °C to 80 °C and ingress protection rating of IP69K. This makes it suitable for both indoor and outdoor installations, including in vehicles and industrial sites. The antenna's GNSS capabilities, supporting GPS, GLONASS, Galileo, QZSS, and...

Read More

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	Polarisation:	Linear
Stop Frequency:	6000 MHz	Input Impedance:	50

RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	RG-174	300 mm
1	SMA Male	Straight	RG-174	300 mm
1	SMA Male	Straight	RG-174	300 mm
1	SMA Male	Straight	RG-174	300 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain
617 MHz	960 MHz	4 dBi
1710 MHz	3800 MHz	8 dBi
4900 MHz	6000 MHz	9 dBi

WiFi

Start Frequency:	2400 MHz	Polarisation:	Linear
Stop Frequency:	6000 MHz	Input Impedance:	50

RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Female	Straight	RG-174	300 mm
1	SMA Female	Straight	RG-174	300 mm
1	SMA Female	Straight	RG-174	300 mm
1	SMA Female	Straight	RG-174	300 mm
1	SMA Female	Straight	RG-174	300 mm
1	SMA Female	Straight	RG-174	300 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain
2400 MHz	2400 MHz	9 dBi
4900 MHz	6000 MHz	9 dBi

GPS, GLONASS, Galileo, QZSS, Compass

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

Low Noise Amplifier (LNA)

LNA Gain:	26 dBic	Min. Operating Voltage:	3 V
Noise Figure:	≤ -2.7 dB	Max. Operating Voltage:	5 V

RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	FME Female	Straight	RG-174	300 mm

Physical Specification

Subtype:	Fin / Stud / Combo	Dimensions:	80 x 180 (H x Dia)
Input Ports:	11	Ingress Protection:	IP69K
MIMO:	4x4 MIMO	Materials:	Polycarbonate (PC), Aluminium
Min. Operating Temperature:	-40 °C	Mounting:	Stud / Bulkhead / Panel
Max. Operating Temperature:	80 °C		

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