

Peplink Slim 22G Antenna, Dual LTE/5G, Dual Wi-Fi, GPS, Black, 2m SMA Cables

SKU: ANT-SLM-22G-S-B-6
 MPN: ANT-SLM-22G-S-B-6

Description

The Peplink Slim 22G Antenna is a versatile communication tool designed to enhance connectivity in various environments. This dual LTE/5G and dual Wi-Fi antenna is particularly suited for applications in recreational vehicles, transportation networks, and home or office settings. Its robust design, with an IP55 ingress protection rating, ensures reliable performance under harsh conditions, ranging from -40 °C to 80 °C.

Equipped with 2x2 MIMO technology, the Slim 22G supports a broad frequency range from 617 MHz to 6000 MHz, making it capable of handling multiple communication standards, including 5G. This ensures strong and stable connectivity, crucial for modern data-intensive applications. The antenna's linear polarisation and high peak gain of up to 7.5 dBi enhance signal reception, providing uninterrupted connectivity.

The antenna also features GPS functionality with a dedicated element, offering precise location tracking which is...

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RF Specification

Cellular

	Peplink
Start Frequency:	617 MHz
Stop Frequency:	6000 MHz
Max. Input Power:	10 W
Polarisation:	Linear
Input Impedance:	50

Peplink makes connectivity reliable. Peplink's system, SpeedFusion technology-based SD-WAN routers have been deployed around the world, helping thousands of customers from many industries increase bandwidth, enhance Internet reliability, reduce connectivity cost, or enable new deployment possibilities.

Founded by Alex Chan in Hong Kong in 2006, today Peplink is based in Mountain View, California.

RF Connectors

Ports	RF Interface	Body Shape	Length
1	SMA Male	Straight	2000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth
617 MHz	960 MHz	4.1 dBi	< 2.5:1	360°
1710 MHz	2700 MHz	4.3 dBi	< 2.5:1	360°
3400 MHz	4200 MHz	6 dBi	< 2.5:1	360°
5000 MHz	6000 MHz	7.5 dBi	< 2.5:1	360°

Cellular

Start Frequency:	617 MHz	Polarisation:	Linear
Stop Frequency:	6000 MHz	Input Impedance:	50
Max. Input Power:	10 W		

RF Connectors

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5000 MHz	6000 MHz	7.5 dBi	< 2.5:1	360°

WiFi

Start Frequency:	2400 MHz	Polarisation:	Linear
Stop Frequency:	6000 MHz	Input Impedance:	50
Max. Input Power:	10 W		

RF Connectors

Ports	RF Interface	Body Shape	Length
1	RP-SMA Male	Straight	2000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth
2400 MHz	2500 MHz	5.5 dBi	< 2:1	360°
5000 MHz	6000 MHz	5.7 dBi	< 2:1	360°

WiFi

Start Frequency: 2400 MHz Polarisation: Linear

Stop Frequency: 6000 MHz Input Impedance: 50

Max. Input Power: 10 W

RF Connectors

Ports	RF Interface	Body Shape	Length
1	RP-SMA Male	Straight	2000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth
2400 MHz	2500 MHz	5.5 dBi	< 2:1	360°
5000 MHz	6000 MHz	5.7 dBi	< 2:1	360°

GPS

Start Frequency: 1561 MHz Input Impedance: 50

Stop Frequency: 1602 MHz

Low Noise Amplifier (LNA)

LNA Gain: 28 dBic Min. Operating Voltage: 3.3 V

Noise Figure: ≤ 1.5 dB Max. Operating Voltage: 3.3 V

Power Consumption: < 8.5 mW

RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	RG-174	2000 mm

Physical Specification

Subtype:	Panel / Sector	Dimensions:	180 x 130 x 15
Input Ports:	5	Ingress Protection:	IP55
MIMO:	2x2 MIMO	Materials:	Polycarbonate (PC), Polyvinyl Chloride (PVC)
Min. Operating Temperature:	-40 °C	Compliance/Certifications:	RoHS
Max. Operating Temperature:	80 °C		

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