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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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Peplink

Peplink makes connectivity reliable. Peplink’s ecosystem, SpeedFusion technology and 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 Specification

Cellular

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

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

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617 MHz	960 MHz	4.1 dBi	< 2.5:1	360°
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3400 MHz	4200 MHz	6 dBi	< 2.5:1	360°
5000 MHz	6000 MHz	7.5 dBi	< 2.5:1	360°

WiFi

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

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
Stop Frequency
6000 MHz
Max. Input Power
10 W
Polarisation
Linear
Input Impedance
50 Ω
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
Stop Frequency
1602 MHz
Input Impedance
50 Ω

Low Noise Amplifier (LNA)

LNA Gain
28 dBic
Noise Figure
≤ 1.5 dB
Power Consumption
< 8.5 mW
Min. Operating Voltage
3.3 V
Max. Operating Voltage
3.3 V
RF Connectors

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

Physical Specification

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

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