

Peplink Mobility 22G (Puma 221-S-B-6) 5 in 1, 2 x LTE/5G, 2 x Wifi, 1x GPS, IP68, SMA, Black, 2m

SKU: ANT-MB-22G-S-B-6

MPN: ANT-MB-22G-S-B-6

Description

The Peplink Mobility 22G (Puma 221-S-B-6) is a versatile 5-in-1 antenna system designed for robust connectivity in challenging environments. It integrates two LTE/5G antennas, two Wi-Fi antennas, and one GPS receiver, making it an ideal solution for mobile applications requiring reliable communication. Its dual LTE/5G antennas support 2x2 MIMO, enhancing data throughput and ensuring stable connectivity across a wide frequency range of 617 MHz to 6000 MHz. The dual Wi-Fi antennas operate within the 2400-2500 MHz and 5000-6000 MHz bands, offering high-speed wireless connectivity pivotal for seamless internet access in vehicles or remote setups.

The integrated GPS receiver provides precise location tracking, suitable for fleet management or navigation systems. With an IP68 ingress protection rating, this antenna is designed to withstand harsh weather conditions, making it suitable for outdoor installations. The durable ABS plastic...

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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

LTE/5G

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

RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	L-200	2000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR
617 MHz	960 MHz	1.2 dBi	< 2.5:1
1710 MHz	2700 MHz	5.7 dBi	< 2.5:1
3400 MHz	4200 MHz	5.6 dBi	< 2.5:1
5000 MHz	6000 MHz	6 dBi	< 2.5:1

Wi-Fi

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	Cable Series	Length
1	RP-SMA Male	Straight	L-200	2000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR
2400 MHz	2500 MHz	4.8 dBi	< 2.5:1
5000 MHz	6000 MHz	7.4 dBi	< 2.5:1

GPS

Start Frequency:	1561 MHz	Input Impedance:	50
Stop Frequency:	1602 MHz	Polarisation:	Right Hand Circular (RHCP)

Low Noise Amplifier (LNA)

LNA Gain:	28 dBic
Noise Figure:	≤ 1.5 dB
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:	1.42" x 5.12" (H x Dia)
Input Ports:	5	Ingress Protection:	IP68
MIMO:	2x2 MIMO	Materials:	ABS Plastic
Min. Operating Temperature:	-40 °C	Compliance/Certifications:	RoHS
Max. Operating Temperature:	80 °C	Mechanical Compliance:	IEC 60529: IP Code

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