

Peplink Mobility 20G (Puma 201), 2xLTE/5G, 1xGPS, 600-6000MHz, IP68, SMA, White, 6.5 ft / 2m

SKU: PUMA-201-S-W-6

MPN: PUMA-201-S-W-6

Description

The Peplink Mobility 20G (Puma 201) is a versatile antenna system designed to enhance connectivity in demanding environments. Equipped with dual LTE/5G capability and GPS, it is ideal for applications requiring robust and reliable wireless communication, such as public safety, mobile healthcare, and transportation connectivity. Operating across a wide frequency range of 600-6000 MHz, this antenna supports multiple frequency bands, ensuring seamless integration with modern cellular networks.

Its 2x2 MIMO configuration enhances data throughput and stability, making it suitable for high-speed data applications. The antenna's IP68 rating ensures it is dust-tight and waterproof, capable of withstanding harsh environmental conditions, ranging from -40 °C to 80 °C. This durability makes it perfect for outdoor installations on vehicles or remote locations where exposure to elements is a concern.

With a simple SMA connector interface, the Peplink...

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RF Specification



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.

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	Length
1	SMA Male	Straight	2000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth
617 MHz	960 MHz	1 dBi	< 2.5:1	360°
1710 MHz	2700 MHz	5.6 dBi	< 2.5:1	360°
3400 MHz	4200 MHz	6.1 dBi	< 2.5:1	360°
4900 MHz	6000 MHz	5.3 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

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	1 dBi	< 2.5:1	360°
1710 MHz	2700 MHz	5.6 dBi	< 2.5:1	360°
3400 MHz	4200 MHz	6.1 dBi	< 2.5:1	360°
4900 MHz	6000 MHz	5.3 dBi	< 2.5:1	360°

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	Min. Operating Voltage:	3.3 V
Noise Figure:	≤ 1.5 dB	Max. Operating Voltage:	3.3 V
Power Consumption:	< 11 mW		

RF Connectors

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

Physical Specification

Subtype:	Fin / Stud / Combo	Dimensions:	1.42" x 5.12" (H x Dia)
Input Ports:	3	Ingress Protection:	IP68
MIMO:	2x2 MIMO	Materials:	Polycarbonate (PC)
Min. Operating Temperature:	-40 °C	Compliance/Certifications:	RoHS
Max. Operating Temperature:	80 °C	Mechanical Compliance:	MIL-STD-810: Environmental Durability

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