

# Peplink Mobility 20G (Puma-201-Q-W-1), 2xLTE/5G, 1xGPS, 600-6000MHz, IP68, QMA, White, 1 ft / 0.3m

SKU: ANT-MB-20G-Q-W-1

MPN: ANT-MB-20G-Q-W-1

## Description

The Peplink Mobility 20G is a high-performance cellular antenna designed for robust connectivity in demanding environments. This 2x2 MIMO antenna supports both LTE and 5G networks, ensuring reliable and fast data transmission across a wide frequency range of 600-6000MHz. With its IP68 rating, the device is protected against dust and water, making it ideal for outdoor applications where durability is essential. The inclusion of a GPS antenna with right-hand circular polarisation enhances its utility for navigation and tracking purposes, particularly in mobile healthcare, public safety, and transportation sectors.

The antenna's compact design allows for easy installation on vehicles, buildings, and other structures without the need for a ground plane, facilitating flexible deployment options. Its polycarbonate construction ensures resilience against harsh weather conditions, while the QMA connectors provide secure and efficient RF...

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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	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	QMA Male	Straight	L-200	300 mm
1	QMA Male	Straight	L-200	300 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	Max. Operating Voltage:	3.3 V
Noise Figure:	≤ 1.5 dB		
Power Consumption:	< 8.5 mW		

# RF Connectors

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

# Physical Specification

Subtype:	Fin / Stud / Combo	Dimensions:	36 x 130 (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:	IEC 60068-2-11: Salt Mist

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