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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
Stop Frequency
6000 MHz
Max. Input Power
10 W
Polarisation
Linear
Input Impedance
50 Ω
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
Stop Frequency
1602 MHz
Input Impedance
50 Ω
Polarisation
Right Hand Circular (RHCP)

Low Noise Amplifier (LNA)

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

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

Physical Specification

Subtype
Fin / Stud / Combo
Input Ports
3
MIMO
2x2 MIMO

Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
36 x 130 (H x Dia)
Ingress Protection
IP68
Materials
Polycarbonate (PC)
Compliance/Certifications
RoHS
Mechanical Compliance
IEC 60068-2-11: Salt Mist

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