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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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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	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°

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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
< 11 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
Fin / Stud / Combo
Input Ports
3
MIMO
2x2 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
1.42" x 5.12" (H x Dia)
Ingress Protection
IP68
Materials
Polycarbonate (PC)
Compliance/Certifications
RoHS
Mechanical Compliance
MIL-STD-810: Environmental Durability

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