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Peplink Mobility 20G (Puma-201-S-B-6), 2xLTE/5G, 1xGPS, 600-6000MHz, IP68, SMA, Black, 6.5 ft / 2m

SKU
ANT-MB-20G-S-B-6
MPN
PUMA-201-S-B-6

Description

The Peplink Mobility 20G antenna is a robust, high-performance solution designed for seamless LTE and 5G connectivity, particularly suited for applications requiring reliable and expansive network coverage. This device is engineered to operate across a wide frequency range from 600 MHz to 6000 MHz, ensuring compatibility with a broad spectrum of wireless communication bands. Its 2x2 MIMO capability enhances data transmission efficiency, making it ideal for use in mobile healthcare, public safety, and transportation connectivity.

Constructed with a durable polycarbonate housing, the Mobility 20G is IP68-rated, providing exceptional protection against dust and water ingress, which is essential for outdoor and mission-critical environments. The inclusion of a GPS antenna further enhances its utility by enabling precise location tracking, beneficial in navigation and fleet management systems.

With SMA connectors and a straightforward...

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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

Cable 1: 4G/5G

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°

Cable 2: 4G/5G

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°

Cable 3: 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
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
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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