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

SKU
ANT-MB-20G-Q-B-1
MPN
ANT-MB-20G-Q-B-1

Description

The Peplink Mobility 20G is a robust, multi-functional antenna system designed to enhance connectivity for mobile environments. It supports dual LTE/5G channels with a wide frequency range of 600-6000MHz, making it ideal for applications requiring reliable mobile data and GPS functionality. This includes public safety operations, mobile healthcare, and transportation networks where consistent communication is critical.

The antenna features 2x2 MIMO technology for improved data throughput and signal reliability. Its design includes a high-performance GPS antenna with right-hand circular polarisation, ensuring precise location tracking and navigation. The Peplink Mobility 20G's durable polycarbonate construction and IP68 rating make it highly resistant to harsh environmental conditions, providing dependable performance in temperatures ranging from -40°C to 80°C.

Installation is straightforward, with options for panel, wall, or pole mounting...

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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: LTE/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	Cable Series	Length
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°

Cable 2: LTE/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	Cable Series	Length
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
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
1.42 x 5.12 (H x Dia)
Ingress Protection
IP68
Materials
Polycarbonate (PC)
Compliance/Certifications
RoHS

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