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Peplink Mobility 82G Antenna , 8xLTE/5G, 2 x Wi-Fi, 1xGPS, 600-6000MHz, IP67, QMA, White, 6.5ft / 2m

SKU
ANT-MB-82G-Q-W-6
MPN
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Description

The Peplink Mobility 82G Antenna is a high-performance multi-band antenna designed for robust connectivity across various network environments. It supports 8x LTE/5G, enhancing mobile network performance by utilising 8x8 MIMO technology for improved data throughput and signal reliability. This makes it ideal for applications in transportation, remote locations, or any setting requiring stable and fast wireless connectivity. Additionally, it includes two Wi-Fi antennas, offering seamless integration with existing wireless networks for broader coverage and increased network capacity.

The antenna operates over a wide frequency range of 600 to 6000 MHz, ensuring compatibility with a multitude of cellular and Wi-Fi bands. This versatility is complemented by an IP67 rating, providing excellent protection against dust and water ingress, making it suitable for outdoor and harsh environment installations. The inclusion of a GPS antenna further...

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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
600 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	QMA Male	Straight	2000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth

617 MHz	960 MHz	5.4 dBi	< 2:1	360°
1400 MHz	2700 MHz	7.5 dBi	< 2:1	360°
3400 MHz	4200 MHz	8.1 dBi	< 2:1	360°
5000 MHz	6000 MHz	8.7 dBi	< 2:1	360°

WiFi

Start Frequency
2400 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	RP-SMA Male	Straight	2000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth
2400 MHz	2500 MHz	6 dBi	< 2:1	360°
5000 MHz	6000 MHz	7.4 dBi	< 2:1	360°

GPS

Start Frequency
1575 MHz
Stop Frequency
1602 MHz
Input Impedance
50 Ω
Polarisation
Right Hand Circular (RHCP)

Low Noise Amplifier (LNA)

LNA Gain

29 dBic
Power Consumption
< 6 mW
RF Connectors

Ports	RF Interface	Body Shape	Length
1	QMA Male	Straight	2000 mm

Physical Specification

Subtype
Fin / Stud / Combo
Input Ports
11
MIMO
8x8 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
62.5 x 427.4 (H x Dia)
Ingress Protection
IP67
Materials
Polycarbonate (PC)
Compliance/Certifications
RoHS

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