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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: ANT-MB-82G-Q-W-6

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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RF Specification

Cellular

Start Frequency:	600 MHz	Polarisation:	Linear
Stop Frequency:	6000 MHz	Input Impedance:	50 Ω
Max. Input Power:	10 W		

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 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	Polarisation:	Linear
Stop Frequency:	6000 MHz	Input Impedance:	50 Ω
Max. Input Power:	10 W		

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	Input Impedance:	50 Ω
Stop Frequency:	1602 MHz	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	Dimensions:	62.5 x 427.4 (H x Dia)
Input Ports:	11	Ingress Protection:	IP67
MIMO:	8x8 MIMO	Materials:	Polycarbonate (PC)
Min. Operating Temperature:	-40 °C	Compliance/Certifications:	RoHS
Max. Operating Temperature:	80 °C		

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