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Peplink Mobility 42G, 7-in-1 5G Ready cellular, 4xLTE, 2 x Wifi, 1xGPS, Black, 2m cable, SMA

SKU
ANT-MB-42G-S-B-6
MPN
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Description

The Peplink Mobility 42G is a versatile 7-in-1 antenna system designed to enhance connectivity across various applications. This robust antenna is 5G ready, making it ideal for future-proofing mobile communications in public safety, transportation, and mobile healthcare sectors. It combines four LTE antennas, two Wi-Fi antennas, and one GPS antenna, enabling seamless communication over a wide frequency range. The unit operates efficiently in harsh environments, with an IP68 ingress protection rating and a durable polycarbonate construction that withstands temperatures from -40°C to 80°C.

The 42G supports 4x4 MIMO technology, which enhances data throughput and reliability, crucial for mission-critical operations. Its omni-directional design allows for consistent connectivity regardless of direction, making it suitable for mobile and stationary deployments. With a frequency range covering 617 MHz to 6000 MHz, it offers impressive peak...

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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	Cable Series	Length
1	SMA Male	Straight	L-200	2000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR

617 MHz	960 MHz	4.4 dBi	< 2.5:1
1710 MHz	2700 MHz	7.8 dBi	< 2.5:1
3400 MHz	4200 MHz	7.9 dBi	< 2.5:1
5000 MHz	6000 MHz	8.2 dBi	< 2.5:1

Wi-Fi

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	Cable Series	Length
1	RP-SMA Male	Straight	L-200	2000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR
2400 MHz	2500 MHz	5 dBi	< 2.5:1
5000 MHz	6000 MHz	7.5 dBi	< 2.5:1

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
< 8.5 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
7
MIMO
4x4 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
58 x 208 (H x Dia)
Ingress Protection
IP68
Materials
Polycarbonate (PC)
Compliance/Certifications
RoHS
Mechanical Compliance
IEC 60529: IP Code
,
MIL-STD-202: Corrosion
,
MIL-STD-810: Environmental Durability

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