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Peplink Mobility 42G 7-in-1 5G Ready 4x LTE, 2x WiFi, 1x GPS 600-6000MHz IP68, SMA, White, 16ft / 4.8m

SKU
ANT-MB-42G-S-W-16
MPN
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Description

The Peplink Mobility 42G 7-in-1 antenna is a robust solution designed for versatile connectivity applications, particularly in challenging environments. This antenna is engineered to support 5G and LTE networks, leveraging its 4x4 MIMO configuration to enhance data throughput and signal stability. With its expansive frequency range of 600-6000 MHz, it is well-suited for high-speed data communication in various settings such as public safety, mobile healthcare, and transportation.

The antenna also integrates dual WiFi elements, providing 2x2 MIMO capability across both 2.4GHz and 5GHz bands, ensuring reliable wireless connectivity. Additionally, the GPS element with right-hand circular polarisation enhances location accuracy, beneficial for navigation and tracking applications.

Its durable IP68-rated enclosure ensures protection against dust and water ingress, making it ideal for outdoor or mobile installations. The antenna's low-profile...

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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
4	QMA Male	Straight	L-200	4800 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth

617 MHz	960 MHz	4.4 dBi	< 2.5:1 360°
1710 MHz	2700 MHz	7.8 dBi	< 2.5:1 360°
3400 MHz	4200 MHz	7.9 dBi	< 2.5:1 360°
5000 MHz	6000 MHz	8.2 dBi	< 2.5:1 360°

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
2	RP-SMA Male	Straight	L-200	4800 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth
2400 MHz	2500 MHz	5 dBi	< 2.5:1	360°
5000 MHz	6000 MHz	7.5 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
Power Consumption
< 8.5 mW
Max. Operating Voltage
3.3 V
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	QMA Male	Straight	RG-174	4800 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)
Mounting
Stud / Bulkhead / Panel, Wall / Vertical Surface, Pole 25 mm ⌀
Compliance/Certifications
RoHS
Mechanical Compliance
MIL-STD-202: Corrosion

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