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Peplink Mobility 42G (Puma 421-S-W-6), 7-in-1 5G Ready cellular, 4xLTE, 2 x Wifi, 1xGPS, White, 2m cable, SMA

SKU
ANT-MB-42G-S-W-6
MPN
ANT-MB-42G-S-W-6

Description

The Peplink Mobility 42G (Puma 421-S-W-6) is a versatile 7-in-1 antenna system designed for seamless connectivity across multiple networks. It is specifically crafted to enhance mobile communications with its 5G readiness, making it highly suitable for demanding environments such as public safety, mobile healthcare, and transportation. The antenna supports 4x LTE, 2x Wi-Fi, and 1x GPS, ensuring robust and reliable connections. Its 4x4 MIMO capability provides high-speed data transfer, essential for applications requiring uninterrupted connectivity. The inclusion of dual-band Wi-Fi (2.4GHz and 5GHz) allows for flexible deployment in various wireless environments.

The Mobility 42G operates efficiently over a wide frequency range from 617 MHz to 6000 MHz, offering peak gains that significantly improve signal reception and transmission. With an ingress protection rating of IP68, it is well-suited for outdoor use, resisting harsh...

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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
1	SMA Male	Straight	L-200	2000 mm
1	SMA Male	Straight	L-200	2000 mm

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
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

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	L-200	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
MIL-STD-810: Environmental Durability

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