Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

Peplink Mobility 42G (Puma 421), 7-in-1 5G ready, 4 LTE, 2 Wifi, 1 GPS, OP68, QMA, White, 2M

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

Description

The Peplink Mobility 42G (Puma 421) is a versatile, high-performance antenna designed for robust connectivity across multiple platforms. It is particularly effective in applications requiring reliable communication in demanding environments, such as public safety, mobile healthcare, and transportation. This 7-in-1 antenna is 5G-ready, supporting 4 LTE connections, 2 Wi-Fi channels, and GPS functionality, ensuring comprehensive coverage and enhanced data throughput.

With its 4x4 MIMO capability, the Mobility 42G offers optimal signal reception and transmission, crucial for maintaining stable connectivity in mobile or remote settings. It operates efficiently across a wide frequency range of 617 MHz to 6000 MHz, accommodating both LTE and emerging 5G networks. The antenna’s design incorporates C-band support, providing exceptional performance in the 3.3 to 4.2 GHz range, which is vital for high-speed data applications.

Constructed from...

Read More



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	Length
1	QMA Male	Straight	2000 mm
1	QMA Male	Straight	2000 mm
1	QMA Male	Straight	2000 mm

Ports	RF Interface	Body Shape	Length
1	QMA Male	Straight	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	Length
1	RP-SMA Male	Straight	2000 mm
1	RP-SMA Male	Straight	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
Min. Operating Voltage
3.3 V
Max. Operating Voltage
3.3 V
RF Connectors

Ports	RF Interface	Body Shape	Length
1	QMA Male	Straight	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-810: Environmental Durability

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

