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 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: ANT-MB-42G-S-W-16

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...

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

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

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	Input Impedance:	50
Stop Frequency:	1602 MHz	Polarisation:	Right Hand Circular (RHCP)

Low Noise Amplifier (LNA)

LNA Gain:	28 dBic	Max. Operating Voltage:	3.3 V
Noise Figure:	≤ 1.5 dB		
Power Consumption:	< 8.5 mW		

RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	QMA Male	Straight	RG-174	4800 mm

Physical Specification

Subtype:	Fin / Stud / Combo	Dimensions:	58 x 208 (H x Dia)
Input Ports:	7	Ingress Protection:	IP68
MIMO:	4x4 MIMO	Materials:	Polycarbonate (PC)
Min. Operating Temperature:	-40 °C	Mounting:	Stud / Bulkhead / Panel, Wall / Vertical Surface, Pole 25 mm
Max. Operating Temperature:	80 °C	Compliance/Certifications:	RoHS
		Mechanical Compliance:	MIL-STD-202: Corrosion

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.