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 22G (Puma 221-S-B-6) 5 in 1, 2 x LTE/5G, 2 x Wifi, 1x GPS, IP68, SMA, Black, 2m

SKU
ANT-MB-22G-S-B-6
MPN
ANT-MB-22G-S-B-6

Description

The Peplink Mobility 22G (Puma 221-S-B-6) is a versatile 5-in-1 antenna system designed for robust connectivity in challenging environments. It integrates two LTE/5G antennas, two Wi-Fi antennas, and one GPS receiver, making it an ideal solution for mobile applications requiring reliable communication. Its dual LTE/5G antennas support 2x2 MIMO, enhancing data throughput and ensuring stable connectivity across a wide frequency range of 617 MHz to 6000 MHz. The dual Wi-Fi antennas operate within the 2400-2500 MHz and 5000-6000 MHz bands, offering high-speed wireless connectivity pivotal for seamless internet access in vehicles or remote setups.

The integrated GPS receiver provides precise location tracking, suitable for fleet management or navigation systems. With an IP68 ingress protection rating, this antenna is designed to withstand harsh weather conditions, making it suitable for outdoor installations. The durable ABS plastic...

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

LTE/5G

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	1.2 dBi	< 2.5:1
1710 MHz	2700 MHz	5.7 dBi	< 2.5:1
3400 MHz	4200 MHz	5.6 dBi	< 2.5:1
5000 MHz	6000 MHz	6 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	4.8 dBi	< 2.5:1
5000 MHz	6000 MHz	7.4 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
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	RG-174	2000 mm

Physical Specification

Subtype
Panel / Sector
Input Ports
5
MIMO
2x2 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
1.42" x 5.12" (H x Dia)
Ingress Protection
IP68
Materials
ABS Plastic
Compliance/Certifications
RoHS
Mechanical Compliance
IEC 60529: IP Code

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.

