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-W-6) 5 in 1, 2 x LTE/5G, 2 x Wifi, 1x GPS, IP68, SMA, White, 2m

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

Description

The Peplink Mobility 22G (Puma 221-S-W-6) is a high-performance antenna system designed for versatile applications in demanding environments. This 5-in-1 antenna combines two LTE/5G, two Wi-Fi, and one GPS element, making it an ideal choice for mobile connectivity solutions. Its robust construction is rated at IP68, ensuring it withstands harsh weather conditions, while the wide frequency range (617 MHz to 6000 MHz) guarantees strong signal reception across multiple bands.

The dual LTE/5G elements support high-speed mobile data transmission essential for applications such as mobile broadband in vehicles, remote monitoring systems, and public safety communications. The integrated 2x2 MIMO Wi-Fi antennas enhance wireless connectivity, making the Mobility 22G suitable for use in buses, trains, and other transport systems requiring reliable internet access for passengers.

Additionally, the built-in GPS antenna provides accurate location data...

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
2	SMA Male	Straight	2000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth

617 MHz	960 MHz	1.2 dBi	< 2.5:1 360°
1710 MHz	2700 MHz	5.7 dBi	< 2.5:1 360°
3400 MHz	4200 MHz	5.6 dBi	< 2.5:1 360°
5000 MHz	6000 MHz	6 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	Length
2	RP-SMA Male	Straight	2000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth
2400 MHz	2500 MHz	4.8 dBi	< 2.5:1	360°
5000 MHz	6000 MHz	7.4 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
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	RG-174	2000 mm

Physical Specification

Subtype
Fin / Stud / Combo
Input Ports
5
MIMO
2x2 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
36 x 130 (H x Dia)
Ingress Protection
IP68
Materials
ABS Plastic
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.

