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 40G (Puma 401), 4 x LTE/5G, 1 x GPS, IP67, QMA,Black,0.3M

SKU
PUMA-401-Q-B-1
MPN
ANT-MB-40G-Q-B-1

Description

The Peplink Mobility 40G (Puma 401) is a robust and versatile antenna designed to enhance mobile connectivity and GPS functionality across various demanding environments. Equipped with 4x4 MIMO LTE/5G capabilities, it ensures reliable and high-speed data transmission, making it ideal for applications in transportation, maritime, and remote installations where consistent connectivity is crucial. Its frequency range from 617 MHz to 6000 MHz covers a broad spectrum, supporting both current and emerging cellular technologies.

The antenna's rugged construction, featuring IP68 ingress protection, guarantees durability against harsh weather conditions, while its ABS plastic and polycarbonate materials provide a UV-stable housing. This makes it suitable for prolonged outdoor deployment, ensuring longevity and performance stability. The integrated GPS functionality, with a gain of 1.6 dBic and right-hand circular polarisation, enhances location...

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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	Length
1	QMA Male	Straight	300 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain

617 MHz	960 MHz	0.3 dBi
1710 MHz	2700 MHz	5.1 dBi
3400 MHz	4200 MHz	5.8 dBi
4900 MHz	6000 MHz	7 dBi

GPS

Gain (Zenith)
1.6 dBic
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	QMA Male	Straight	RG-174	300 mm

Physical Specification

Subtype
Panel / Sector
Input Ports
2

MIMO
4x4 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
36 x 130
Ingress Protection
IP68
Materials
ABS Plastic, Polycarbonate (PC)
Compliance/Certifications
RoHS
Mechanical Compliance
IEC 60529: IP Code
,
MIL-STD-810: Environmental Durability

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