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Peplink Mobility 40G (Puma 401), 4 x LTE/5G, 1 x GPS, IP67, QMA,Black,2M

SKU
PUMA-401-Q-B-6
MPN
PUMA-401-Q-B-6

Description

The Peplink Mobility 40G (Puma 401) is a high-performance antenna designed for robust cellular and GPS connectivity. This device is specifically engineered for applications requiring reliable data transmission in challenging environments, such as fleet management, public safety, and transportation systems. Its 4x4 MIMO configuration supports LTE and 5G networks, enhancing signal strength and data throughput across a wide frequency range of 617 MHz to 6000 MHz. This makes it ideal for maintaining stable connections in areas with varying network coverage.

The Puma 401 features an IP68-rated enclosure, ensuring exceptional resistance to dust and water ingress, making it suitable for outdoor installations where exposure to harsh weather conditions is expected. Constructed with durable ABS plastic and polycarbonate materials, it is built to withstand extreme temperatures ranging from -40 °C to 80 °C, ensuring reliable performance in diverse...

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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	2000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR

617 MHz	960 MHz	0.3 dBi	< 2.5:1
1710 MHz	2700 MHz	5.1 dBi	< 2.5:1
3400 MHz	4200 MHz	5.8 dBi	< 2.5:1
4900 MHz	6000 MHz	7 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
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	2000 mm

Physical Specification

Subtype
Fin / Stud / Combo
Input Ports
5
MIMO
4x4 MIMO

Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
36 x 130 (H x Dia)
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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