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

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

Description

The Peplink Mobility 40G (Puma 401) is a robust antenna system designed for seamless connectivity in demanding environments. It excels in providing high-performance 4G and 5G mobile network access, making it ideal for applications requiring reliable communication on the move, such as public transportation, emergency services, and remote site operations. With its 4x4 MIMO capability, it enhances data throughput and connection stability across multiple frequencies ranging from 617 MHz to 6000 MHz, ensuring optimal performance in diverse network conditions.

This antenna's rugged design, featuring an IP68 ingress protection rating, makes it highly resistant to dust and water, suitable for outdoor installations in harsh weather. The integrated GPS functionality supports location-based services, crucial for navigation and tracking applications. Constructed from durable polycarbonate and ABS plastic, it withstands temperatures from -40 °C to 80...

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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

4G-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	Length
4	QMA Male	Straight	300 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
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	QMA Male	Straight	RG-174	300 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
Polycarbonate (PC), ABS Plastic
Compliance/Certifications
RoHS
Mechanical Compliance
IEC 60529: IP Code
,
MIL-STD-810: Environmental Durability

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