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Peplink Mobility 40G (Puma 401), 4xLTE/5G, 1xGPS, IP68, SMA,White,2m

SKU
ANT-MB-40G-S-W-6
MPN
ANT-MB-40G-S-W-6

Description

The Peplink Mobility 40G (Puma 401) is an advanced antenna system designed to enhance mobile connectivity with its robust 4x4 MIMO LTE/5G capabilities. This device is ideal for applications requiring reliable and fast wireless communication, such as in transport, remote site connectivity, and mobile command centres. Its high-performance design supports a wide frequency range from 600 MHz to 6000 MHz, making it suitable for modern cellular networks including 5G. The integrated GPS antenna further enhances its utility for navigation and tracking applications, offering precise positioning data with right-hand circular polarisation and superior gain.

Crafted from durable ABS plastic and polycarbonate, the antenna is built to withstand harsh environments, boasting an IP68 rating for water and dust resistance. This makes it suitable for outdoor installations and challenging operating conditions, withstanding temperatures from -40°C to 80°C...

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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	SMA Male	Straight	2000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth

617 MHz	960 MHz	0.3 dBi	< 2.5:1 360°
1710 MHz	2700 MHz	5.1 dBi	< 2.5:1 360°
3400 MHz	4200 MHz	5.8 dBi	< 2.5:1 360°
4900 MHz	6000 MHz	7 dBi	< 2.5:1 360°

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
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
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 60068-2-11: Salt Mist
,
IEC 60529: IP Code

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