

# 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	Polarisation:	Linear
Stop Frequency:	6000 MHz	Input Impedance:	50
Max. Input Power:	10 W		

## 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	Input Impedance:	50
Stop Frequency:	1602 MHz	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	Dimensions:	36 x 130 (H x Dia)
Input Ports:	5	Ingress Protection:	IP68
MIMO:	4x4 MIMO	Materials:	Polycarbonate (PC), ABS Plastic
Min. Operating Temperature:	-40 °C	Compliance/Certifications:	RoHS
Max. Operating Temperature:	80 °C	Mechanical Compliance:	IEC 60529: IP Code
		MIL-STD-810: Environmental Durability	

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