

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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RF Specification

Cellular

 Start Frequency: Stop Frequency:	Peplink	617 MHz	Polarisation:	Linear
	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.	6000 MHz	Input Impedance:	50
Max. Input Power:	Founded by Alex Chan in Hong Kong in 2006, today Peplink is based in Mountain View, California.			
	10 W			

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	Input Impedance:	50
Start Frequency:	1561 MHz	Polarisation:	Right Hand Circular (RHCP)
Stop Frequency:	1602 MHz		

Low Noise Amplifier (LNA)

LNA Gain:	28 dBic	Min. Operating Voltage:	3.3 V
Noise Figure:	≤ 1.5 dB	Max. Operating Voltage:	3.3 V
Power Consumption:	< 8.5 mW		

RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	QMA Male	Straight	RG-174	300 mm

Physical Specification

Subtype:	Panel / Sector	Dimensions:	36 x 130
Input Ports:	2	Ingress Protection:	IP68
MIMO:	4x4 MIMO	Materials:	ABS Plastic, Polycarbonate (PC)
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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