

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

SKU: ANT-MB-40G-Q-W-6

MPN: PUMA-401-Q-W-6

Description

The Peplink Mobility 40G, also known as the Puma 401, is a high-performance antenna designed to enhance cellular connectivity and GPS reception. Equipped with 4x4 MIMO technology, it optimises data transfer rates and ensures robust mobile network performance, making it ideal for applications requiring reliable LTE connectivity, such as mobile command centres, public transportation systems, and remote field operations. Its wide frequency range of 617 MHz to 6000 MHz supports various cellular bands, including 5G, ensuring compatibility with modern network standards.

The device's IP68 rating ensures it is dust-tight and can withstand immersion in water, making it suitable for harsh environmental conditions. Its durable ABS plastic construction provides UV stability, enhancing longevity in outdoor installations. The integrated GPS antenna with right-hand circular polarisation offers precise location tracking essential for navigation and...

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

RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	QMA Male	Straight	L-200	2000 mm
1	QMA Male	Straight	L-200	2000 mm
1	QMA Male	Straight	L-200	2000 mm
1	QMA Male	Straight	L-200	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	Input Impedance:	50
Stop Frequency:	1602 MHz	Polarisation:	Right Hand Circular (RHCP)

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

RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	QMA Male	Straight	RG-174	2000 mm

Physical Specification

Subtype:	Fin / Stud / Combo	Dimensions:	1.42" x 5.12" (H x Dia)
Input Ports:	5	Ingress Protection:	IP68
MIMO:	4x4 MIMO	Materials:	ABS Plastic
Min. Operating Temperature:	-40 °C	Mounting:	Stud / Bulkhead / Panel, Wall / Vertical Surface, Pole Clamp 25
Max. Operating Temperature:	80 °C	to 63 mm	
		Compliance/Certifications:	RoHS
		Mechanical Compliance:	IEC 60529: IP Code
			MIL-STD-810: Environmental Durability

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