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# 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**

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 | Cable Series | Length |
|---|---|---|---|---|
| 1 | QMA Male | Straight | L-200 | 2000 mm |
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| Ports | RF Interface | Body Shape | Cable Series | Length |
|---|---|---|---|---|
| 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
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
Min. Operating Voltage
3.3 V
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
Input Ports

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

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