

# Peplink Mobility 40G (Puma 401), 4xLTE/5G, 1xGPS, 600-6000MHz, IP68, N-type, Black, 6.5ft / 2m

SKU: PUMA-401-N-B-6  
 MPN: ANT-MB-40G-N-B-6

## Description

The Peplink Mobility 40G (Puma 401) is a robust, high-performance antenna designed for seamless mobile connectivity in demanding environments. It supports 4x4 MIMO technology and is compatible with both LTE and 5G networks, making it ideal for applications requiring reliable and fast data transmission, such as in transportation or remote monitoring systems. Operating across a wide frequency range from 600 to 6000 MHz, this antenna ensures broad compatibility and optimal performance across different network bands.

Equipped with IP68-rated ingress protection, the Puma 401 is built to withstand harsh weather conditions, making it suitable for outdoor installations on vehicles or in industrial settings. Its UV-stable polycarbonate and ABS plastic housing ensures durability and long-term stability. Additionally, the built-in GPS functionality offers precise location tracking, enhancing applications in fleet management and navigation.

The...

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## RF Specification

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

RF Connectors

| Ports | RF Interface | Body Shape | Length  |
|-------|--------------|------------|---------|
| 1     | N Male       | Straight   | 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 |                  |    |

## Low Noise Amplifier (LNA)

|               |          |
|---------------|----------|
| LNA Gain:     | 28 dBic  |
| Noise Figure: | ≤ 1.5 dB |

#### RF Connectors

| Ports | RF Interface | Body Shape | Cable Series | Length  |
|-------|--------------|------------|--------------|---------|
| 1     | N Male       | Straight   | RG-174       | 2000 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              |                            |                                 |

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