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Peplink Mobility 40G (Puma 401), 4xLTE/5G, 1xGPS, IP68, SMA, White, 2m

SKU: ANT-MB-40G-S-W-6 MPN: ANT-MB-40G-S-W-6

Description

The Peplink Mobility 40G (Puma 401) is an advanced antenna system designed to enhance mobile connectivity with its robust 4x4 MIMO LTE/5G capabilities. This device is ideal for applications requiring reliable and fast wireless communication, such as in transport, remote site connectivity, and mobile command centres. Its high-performance design supports a wide frequency range from 600 MHz to 6000 MHz, making it suitable for modern cellular networks including 5G. The integrated GPS antenna further enhances its utility for navigation and tracking applications, offering precise positioning data with right-hand circular polarisation and superior gain.

Crafted from durable ABS plastic and polycarbonate, the antenna is built to withstand harsh environments, boasting an IP68 rating for water and dust resistance. This makes it suitable for outdoor installations and challenging operating conditions, withstanding temperatures from -40°C to 80°C...

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

RF Connectors

| Ports | RF Interface | Body Shape | Length |
|-------|--------------|------------|---------|
| 1 | SMA Male | Straight | 2000 mm |

Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | VSWR | Azimuth |
|-------------|------------|-----------|---------|---------|
| 617 MHz | 960 MHz | 0.3 dBi | < 2.5:1 | 360° |
| 1710 MHz | 2700 MHz | 5.1 dBi | < 2.5:1 | 360° |
| 3400 MHz | 4200 MHz | 5.8 dBi | < 2.5:1 | 360° |
| 4900 MHz | 6000 MHz | 7 dBi | < 2.5:1 | 360° |
| | | | | |

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 | Max. Operating Voltage: | 3.3 V |
|--------------------|----------|-------------------------|-------|
| Noise Figure: | ≤ 1.5 dB | | |
| Power Consumption: | < 8.5 mW | | |

RF Connectors

| Ports | RF Interface | Body Shape | Cable Series | Length |
|-------|--------------|------------|--------------|---------|
| 1 | SMA 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: | ABS Plastic, Polycarbonate (PC) |
| Min. Operating Temperature: | -40 °C | Compliance/Certifications: | RoHS |
| Max. Operating Temperature: | 80 °C | Mechanical Compliance: | IEC 60068-2-11: Salt Mist |
| | | IEC 60529: IP Code | r |

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