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# Peplink Mobility 02 (Puma 020-R-W-6), 2xWiFi, 2400-6000MHz, IP68, RP-SMA, Black, 6.5 ft / 2.0m

SKU:  ANT-MB-02-R-B-6

MPN:  ANT-MB-02-R-W-6

## Description

The Peplink Mobility 02 (Puma 020-R-W-6) is a robust, dual-band antenna designed to enhance wireless connectivity in challenging environments. Operating across a broad frequency range of 2400-6000 MHz, it is ideal for applications requiring reliable and high-performance Wi-Fi connections, such as mobile networks, remote monitoring systems, and vehicular communications. The antenna supports 2x2 MIMO technology, enhancing data throughput and signal stability, making it suitable for high-demand tasks in both urban and rural settings.

Constructed with durable materials like ABS plastic and polycarbonate, the Mobility 02 offers excellent resistance to environmental factors, underscored by its IP68 rating, which ensures complete protection against dust and water ingress. This durability makes it perfect for outdoor installations where harsh weather conditions are a concern. The RP-SMA connectors facilitate straightforward integration with a...

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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

| | | | |
|---|---|---|---|
| Start Frequency: | 2400 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 | RP-SMA Male | Straight | L-200 | 2000 mm |
| 1 | RP-SMA Male | Straight | L-200 | 2000 mm |

## Frequency Test Data

| Start Freq. | Stop Freq. | Peak Gain | VSWR |
|---|---|---|---|
| 2400 MHz | 2500 MHz | 6.2 dBi | < 2:1 |
| 4900 MHz | 6000 MHz | 7.3 dBi | < 2:1 |

# Physical Specification

| | | | | |
|---|---|---|---|---|
| Subtype: | Fin / Stud / Combo | | Dimensions: | 1.42 in. / 36mm (Height); 5.12 in. / 130mm (Diameter) |
| Input Ports: | 2 | | Ingress Protection: | IP68 |
| MIMO: | 2x2 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 |