

# Peplink Mobility 02 (Puma 020), 2xWiFi, 2400-6000MHz, IP68, QMA, White, 1 ft / 0.3m

SKU: PUMA-020-Q-W-1  
 MPN: PUMA-020-Q-W-1

## Description

The Peplink Mobility 02 (Puma 020) is a robust dual-band Wi-Fi antenna designed to enhance wireless connectivity in various demanding environments. Utilising 2x2 MIMO technology, it operates across a wide frequency range of 2400-6000 MHz, making it suitable for a variety of applications including mobile, marine, and fixed installations. The antenna's IP68 rating signifies its exceptional resilience against dust and water ingress, ensuring reliable performance in extreme weather conditions. Constructed from durable polycarbonate and ABS plastic, the antenna withstands temperatures from -40 °C to 80 °C, maintaining functionality in harsh climates.

Its compact design allows for versatile mounting options on walls, vertical surfaces, or panels, making it ideal for deployment in vehicles such as RVs and boats, or in remote outdoor locations. The Peplink Mobility 02 features linear polarisation and a peak gain of up to 7.3 dBi, enhancing...

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## RF Specification

### Cable 1: Wi-Fi

 Start Frequency: Stop Frequency:	Peplink	2400 MHz	Polarisation:	Linear
	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.	6000 MHz	Input Impedance:	50
Max. Input Power:	Founded by Alex Chan in Hong Kong in 2006, today Peplink is based in Mountain View, California.			

### RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	RP-SMA Male	Straight	L-200	300 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

## Cable 2: Wi-Fi

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	300 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:	36 x 130 (H x Dia)
Input Ports:	2	Ingress Protection:	IP68
MIMO:	2x2 MIMO	Materials:	Polycarbonate (PC), ABS Plastic
Min. Operating Temperature:	-40 °C	Mounting:	Stud / Bulkhead / Panel, Wall / Vertical Surface
Max. Operating Temperature:	80 °C	Compliance/Certifications:	RoHS
		Mechanical Compliance:	IEC 60529: IP Code
		MIL-STD-810: Environmental Durability	

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