

# Peplink Antenna Max (for BR1 Mini, BR1 Pro 5G, Transit Duo Pro)

SKU: ANT-MAX

MPN: ANT-MAX

## Description

The Peplink Antenna Max is a versatile and robust solution designed for enhancing connectivity in challenging environments. It is specifically developed for use with devices such as the BR1 Mini, BR1 Pro 5G, and Transit Duo Pro, providing reliable cellular, Wi-Fi, and GPS functionalities. This antenna supports 4x4 MIMO technology, ensuring high data throughput and improved performance for applications requiring stable and fast connections, such as mobile broadband and remote monitoring.

Engineered with durability in mind, the Antenna Max features an IP67-rated enclosure, making it resistant to water and dust ingress, ideal for outdoor installations. It operates efficiently in extreme temperatures ranging from -40 °C to 80 °C, ensuring reliable performance in diverse climatic conditions. The antenna's polycarbonate construction and compliance with MIL-STD-810 standards further enhance its resilience against environmental stresses.

The...

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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
1	SMA Male	Radius Right Angle

## Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR
617 MHz	960 MHz	3 dBi	< 2.5:1
1410 MHz	2700 MHz	6.2 dBi	< 2.5:1
3400 MHz	4400 MHz	5.7 dBi	< 2.5:1
5000 MHz	6000 MHz	6.6 dBi	< 2.5:1

## WiFi

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
1	RP-SMA Male	Radius Right Angle

# Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR
2400 MHz	2500 MHz	5.4 dBi	< 2.5:1
5000 MHz	6000 MHz	7.4 dBi	< 2.5:1

## GPS

Gain (Zenith):	0.9 dBic	Input Impedance:	50
Start Frequency:	1575 MHz	Polarisation:	Right Hand Circular (RHCP)
Stop Frequency:	1602 MHz		

## Low Noise Amplifier (LNA)

LNA Gain:	27 dBic	Max. Operating Voltage:	3.3 V
Noise Figure:	≤ 2.5 dB		
Power Consumption:	< 10 mW		

## RF Connectors

Ports	RF Interface	Body Shape
1	SMA Male	Radius Right Angle

# Physical Specification

Subtype:	Fin / Stud / Combo	Dimensions:	120 x 250 (H x Dia)
Input Ports:	7	Ingress Protection:	IP67
MIMO:	4x4 MIMO	Materials:	Polycarbonate (PC)
Min. Operating Temperature:	-40 °C	Mounting:	Pole Clamp 25 to 63 mm , Wall / Vertical Surface
Max. Operating Temperature:	80 °C	Compliance/Certifications:	RoHS
		Mechanical Compliance:	MIL-STD-810: Environmental Durability

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