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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
Stop Frequency
6000 MHz
Max. Input Power
10 W
Polarisation
Linear
Input Impedance
50 Ω
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
Stop Frequency
6000 MHz
Max. Input Power
10 W
Polarisation
Linear
Input Impedance
50 Ω
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
Start Frequency
1575 MHz
Stop Frequency
1602 MHz
Input Impedance
50 Ω
Polarisation
Right Hand Circular (RHCP)

Low Noise Amplifier (LNA)

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

Ports	RF Interface	Body Shape
1	SMA Male	Radius Right Angle

Physical Specification

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

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