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Peplink IoT 20G, 2xLTE/5G, 1xGPS 600-6000MHz, IP66, SMA, White, 16 ft / 5m

SKU
ANT-IOT-20G-S-W-16
MPN
ANT-IOT-20G-S-W-16

Description

The Peplink IoT 20G is a high-performance antenna designed to enhance connectivity for IoT applications. It supports dual LTE/5G connectivity and a GPS receiver, making it ideal for remote site operations, public safety, and mission-critical communications. Operating within a wide frequency range of 600-6000 MHz, this antenna delivers robust performance across multiple bands. Its 2x2 MIMO configuration ensures improved data throughput and reliability, which is essential for applications requiring stable and fast connections.

The IoT 20G features an IP66-rated enclosure, providing excellent protection against dust and water, making it suitable for outdoor installations. Its polycarbonate construction enhances durability, while the SMA connectors ensure secure and efficient connections. The antenna’s peak gain varies across bands, with a maximum of 10.2 dBi, contributing to superior signal strength and coverage.

With a straightforward...

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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

Port 1: LTE/5G

Start Frequency
617 MHz
Stop Frequency
6000 MHz
Max. Input Power
5 W
Polarisation
Linear
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	L-200	5000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR

617 MHz	960 MHz	6.4 dBi	< 2.5:1
1710 MHz	2700 MHz	10.2 dBi	< 2.5:1
3400 MHz	4200 MHz	7.9 dBi	< 2.5:1
4900 MHz	6000 MHz	7 dBi	< 2.5:1

Port 2: LTE/5G

Start Frequency
617 MHz
Stop Frequency
6000 MHz
Max. Input Power
5 W
Polarisation
Linear
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	L-200	5000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR
617 MHz	960 MHz	6.4 dBi	< 2.5:1
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4900 MHz	6000 MHz	7 dBi	< 2.5:1

GPS

Start Frequency
1575 MHz
Stop Frequency
1602 MHz
Input Impedance
50 Ω
Polarisation
Right Hand Circular (RHCP)

Low Noise Amplifier (LNA)

LNA Gain
29 dBic
Max. Operating Voltage
3.3 V
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	RG-174	5000 mm

Physical Specification

Subtype
Panel / Sector
Input Ports
3
MIMO
2x2 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
12.81" x 11.86" x 3.03" (325.3 x 301.3 x 77 mm)
Ingress Protection
IP66
Materials
Polycarbonate (PC)
Compliance/Certifications
RoHS
Mechanical Compliance
IEC 60529: IP Code

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