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Peplink IoT 20G, 2xLTE/5G, 1xGPS 600-6000MHz, IP66, N-Type, White, 2 ft / 0.6m

SKU
ANT-IOT-20G-N-W-2
MPN
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Description

The Peplink IoT 20G is a high-performance antenna designed for robust connectivity in demanding environments. Built to support both LTE and 5G networks, this antenna operates across a wide frequency range of 600-6000 MHz, making it versatile for various applications. It features a 2x2 MIMO configuration, optimising data throughput and reliability, which is essential for remote site connectivity, public safety communications, and mission-critical operations.

Encased in an IP66-rated polycarbonate housing, the Peplink IoT 20G is resistant to dust and water, ensuring durability and longevity in outdoor settings. This makes it suitable for deployment in harsh weather conditions, maintaining performance from -40 °C to 80 °C. Its linear polarisation enhances signal quality, while the right-hand circular polarisation of the GPS antenna improves satellite signal reception.

The antenna's design includes an N-Type connector and 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

Cellular

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	N Male	Straight	L-200	600 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

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
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	N Male	Straight	RG-174	600 mm

Physical Specification

Subtype
Panel / Sector
Input Ports
3
MIMO
2x2 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
325.3 x 301.3 x 77 mm
Ingress Protection
IP66

Materials
Polycarbonate (PC)
Compliance/Certifications
RoHS

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