

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

SKU: ANT-IOT-20G-N-W-2

MPN: ANT-IOT-20G-N-W-2

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 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:	5 W		

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	Input Impedance:	50
Stop Frequency:	1602 MHz	Polarisation:	Right Hand Circular (RHCP)

Low Noise Amplifier (LNA)

LNA Gain:	29 dBic
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RF Connectors

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

Physical Specification

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

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