

# Peplink Maritime 20G, 2xLTE/5G, 1xGPS, 600-6000MHz, IP68, SMA, White, 6.5 ft / 2m

SKU: ANT-MR-20G-S-W-6

MPN: ANT-MR-20G-S-W-6

## Description

The Peplink Maritime 20G antenna is a robust solution designed for maritime communication needs. It supports LTE and 5G networks, making it ideal for maintaining reliable connectivity on the open sea. With a wide frequency range from 410 MHz to 6000 MHz, it ensures comprehensive coverage for various communication standards. Its 2x2 MIMO configuration enhances data throughput, crucial for high-speed internet access in maritime environments.

This antenna is constructed from durable polycarbonate and boasts an IP68 rating, ensuring it withstands harsh marine conditions including extreme temperatures and moisture. The inclusion of a GPS element aids in navigation and location tracking, which is vital for maritime operations. The antenna is designed for easy installation using standard mounts, simplifying integration into existing maritime communication systems.

Its SMA connectors allow for straightforward connections to communication devices...

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## RF Specification

### Cable 1: LTE/5G 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.

Start Frequency:	410 MHz	Polarisation:	Linear
Stop Frequency:	6000 MHz	Input Impedance:	50
Max. Input Power:	10 W		

RF Connectors

Ports	RF Interface	Body Shape	Length
1	SMA Male	Straight	2000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR
410 MHz	470 MHz	3.2 dBi	< 2.5:1
617 MHz	960 MHz	5.4 dBi	< 3:1
1710 MHz	2700 MHz	4.9 dBi	< 2.5:1
3400 MHz	4200 MHz	6.2 dBi	< 2.5:1
4900 MHz	6000 MHz	6.8 dBi	< 2.5:1

## Cable 2: LTE/5G

Start Frequency:	410 MHz	Polarisation:	Linear
Stop Frequency:	6000 MHz	Input Impedance:	50
Max. Input Power:	10 W		

RF Connectors

Ports	RF Interface	Body Shape	Length
1	SMA Male	Straight	2000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR
410 MHz	470 MHz	3.2 dBi	< 2.5:1
617 MHz	960 MHz	5.4 dBi	< 3:1
1710 MHz	2700 MHz	4.9 dBi	< 2.5:1
3400 MHz	4200 MHz	6.2 dBi	< 2.5:1
4900 MHz	6000 MHz	6.8 dBi	< 2.5:1

## Cable 3: GPS

Gain (Zenith):	1.6 dBic	Input Impedance:	50
Start Frequency:	1561 MHz	Polarisation:	Right Hand Circular (RHCP)
Stop Frequency:	1602 MHz		

## Low Noise Amplifier (LNA)

LNA Gain:	28 dBic	Max. Operating Voltage:	3.3 V
Noise Figure:	≤ 1.5 dB		
Power Consumption:	< 8.5 mW		

### RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	RG-174	2000 mm

# Physical Specification

Subtype:	Fin / Stud / Combo	Dimensions:	3.78" / 96 mm x 19.04" / 483.5 mm
Input Ports:	3	Ingress Protection:	IP68
MIMO:	2x2 MIMO	Materials:	Polycarbonate (PC)
Min. Operating Temperature:	-40 °C	Compliance/Certifications:	RoHS
Max. Operating Temperature:	80 °C		

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