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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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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

Cable 1: LTE/5G

Start Frequency
410 MHz
Stop Frequency
6000 MHz
Max. Input Power
10 W
Polarisation
Linear
Input Impedance
50 Ω
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
Stop Frequency
6000 MHz
Max. Input Power
10 W
Polarisation
Linear
Input Impedance
50 Ω
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
Start Frequency
1561 MHz
Stop Frequency
1602 MHz
Input Impedance

50 Ω
Polarisation
Right Hand Circular (RHCP)

Low Noise Amplifier (LNA)

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

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

Physical Specification

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

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