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Peplink Maritime 40G, 4xLTE/5G, 1xGPS 600-6000MHz, IP68, SMA, White, 6.5ft / 2m

SKU
ANT-MR-40G-S-W-6
MPN
ANT-MR-40G-S-W-6

Description

The Peplink Maritime 40G is a high-performance antenna designed for maritime environments, providing robust connectivity for both LTE and 5G networks. This antenna is equipped with 4x4 MIMO technology, ensuring reliable and high-speed data transmission even in challenging sea conditions. Its broad frequency range from 410 MHz to 6000 MHz supports diverse communication needs, making it versatile for various marine applications.

Built to withstand harsh marine environments, the Maritime 40G features an IP68-rated housing, ensuring it is dust-tight and protected against water immersion. This durability makes it suitable for long-term deployment on vessels exposed to extreme weather. The antenna includes a GPS element, enhancing navigation capabilities with precise location tracking.

With its compact and efficient design, the Peplink Maritime 40G is easy to install and integrates seamlessly with maritime communication systems. Its SMA...

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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

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
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1	SMA Male	Straight	2000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR
410 MHz	470 MHz	3.2 dBi	< 3.5:1
617 MHz	960 MHz	3.8 dBi	< 3:1
1710 MHz	2700 MHz	5.3 dBi	< 2.5:1
3400 MHz	4200 MHz	6.5 dBi	< 2.5:1
4900 MHz	6000 MHz	6.7 dBi	< 2.5:1

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
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
5

MIMO
4x4 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
34.39 x 3.78 (H x Dia)
Ingress Protection
IP68
Materials
Polycarbonate (PC)
Compliance/Certifications
RoHS
Mechanical Compliance
IEC 60068-2-11: Salt Mist

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