



# FUTUREPROOF INNOVATIVE ANTENNAS

## INDUSTRY GUIDE

### Marine & Coastal

## 2023

A summarised technical  
overview for various antennas  
in our Marine & Coastal range

POYNTING

# MARINE & COASTAL

Poynting offers a range of antennas that are designed specifically for marine environments where performance, quality, styling and weather protection is critical. This range of antennas is aimed at various types of marine applications, from; super yachts, commercial vessels, (river-) cruise ships, private yachts, towing-vessels and speed boats.

These antennas can also be used in other applications with harsh environments such as harbour buildings, buoys, pontoons, and smaller boats. Other areas where these models of the Poynting Marine antenna solutions will be ideal, include anywhere along the coast-line, lake sides and other high humid areas.

The marine range of antennas are designed within Poynting's customary requirements of high performance, wide bandwidth and exceptional quality.

# POYNTING

This range is targeted at LTE and 5G reception at sea, as well as antennas to provide dual-band Wi-Fi distribution at sea. Many of the marine antennas are 5G Ready, where they cover the 450MHz LTE/CDMA bands as well as the 3.5GHz LTE/CBRS bands which are starting to become available internationally.

With the antennas, the yacht owner will not need to replace or upgrade their antennas to benefit from this new technology and frequency bands.

A Poynting marine antenna will help reduce on-board communication costs significantly, reduce latency and ensure a stable and reliable connection to carrier base stations. Join thousands of satisfied marine customers and do not compromise on this crucial part of your communication system.

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WAVEHUNTER

## EPNT-4



Coming Soon



**Primary Industry:** Urban & Rural; Farming & Agricultural; Commercial & Industrial; Marine & Coastal  
**Secondary Industry:** Transport & Mobility

Frequency:	617-960; 1427-1517; 1710-2700; 3400-3800 MHz (Band 71-US Specific)
Max Gain:	3.8dBi
Radiation Pattern:	Omni-Directional
MIMO:	4X4 LTE (MIMO); 4X4 Wi-Fi (MIMO)
Size (LxWxD):	351mm x 238mm x 182mm
Router Space: (LxWxD):	120 mm x 120 mm x 55 mm

## MIMO-3



Available in Black



**Primary Industry:** Transport & Mobility; Marine & Coastal; Farming & Agricultural  
**Secondary Industry:** Mining & Tunnelling; IoT, M2M & Smart Meters

Frequency:	MIMO-3-12/13; 410-470; 698-960; 1710-2700; 3400-3800 MHz; MIMO-3-14; 5000-6000 MHz
Max Gain:	6dBi
Radiation Pattern:	Omni-Directional
MIMO:	2X2 MIMO; 4X4 MIMO
Size (LxWxD):	253mm x 144mm x 128mm

## MIMO-3



Available in Black



**Primary Industry:** Transport & Mobility; Marine & Coastal; Farming & Agricultural  
**Secondary Industry:** Mining & Tunnelling; IoT, M2M & Smart Meters

Frequency:	MIMO-3-15; 410-470; 698-960; 1710-2700; 3400-3800 MHz; MIMO-3-17; 5000-6000 MHz
Max Gain:	6dBi
Radiation Pattern:	Omni-Directional
MIMO:	2X2 MIMO; 4X4 MIMO
Size (LxWxD):	253mm x 144mm x 128mm

## MIMO-4



Available in Black



**Primary Industry:** Transport & Mobility; Marine & Coastal; Farming & Agricultural  
**Secondary Industry:** Mining & Tunnelling; IoT, M2M & Smart Meters

Frequency:	617 - 7200 MHz, 617 to 6000 MHz (cellular)
Max Gain:	6dBi
Radiation Pattern:	Omni-Directional
MIMO:	2X2 MIMO; 4X4 MIMO
Size (LxWxD):	Ø160 mm x 65 mm

## OMNI-291



**Primary Industry:** Marine & Coastal  
**Secondary Industry:** Commercial & Industrial; Farming & Agricultural

Frequency:	450-470; 698-960; 1710-2700 MHz
Max Gain:	7dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	560mm x Ø75mm (excl. BRKT-40)

## OMNI-400



**Primary Industry:** Marine & Coastal  
**Secondary Industry:** Commercial & Industrial; IoT, M2M & Smart Meters; Farming & Agricultural

Frequency:	617-960; 1710-2170; 2300-2700 MHz (Band 71-US Specific)
Max Gain:	7.5dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	555mm x Ø75mm (excl. BRKT-40)

## OMNI-402



**Primary Industry:** Marine & Coastal

**Secondary Industry:** Commercial & Industrial; IoT, M2M & Smart Meters; Farming & Agricultural

Frequency:	410-470; 698-960; 1710-2700; 3400-3800 MHz
Max Gain:	6.2dBi
Radiation Pattern:	Omni-Directional
MIMO:	2X2 MIMO
Size (LxWxD):	750mm x Ø75mm (excl. BRKT-40)

## OMNI-403



**Primary Industry:** Marine & Coastal

**Secondary Industry:** Commercial & Industrial; IoT, M2M & Smart Meters; Farming & Agricultural

Frequency:	617-960; 1710-2170; 2300-2700 MHz (Band 71 - US Specific)
Max Gain:	5dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	252mm x Ø75mm (excl. BRKT-40)

## OMNI-404



**Primary Industry:** Marine & Coastal

**Secondary Industry:** Commercial & Industrial; IoT, M2M & Smart Meters; Farming & Agricultural

Frequency:	617-960; 1710-2700; 3400-3800 MHz (Band 71 - US Specific)
Max Gain:	2dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	252mm x Ø75mm (excl. BRKT-40)

## OMNI-414



**Primary Industry:** Marine & Coastal

**Secondary Industry:** Commercial & Industrial; IoT, M2M & Smart Meters; Farming & Agricultural

Frequency:	617 - 3800 MHz (Band 71 - US Specific)
Max Gain:	3.5dBi
Radiation Pattern:	Omni-Directional
MIMO:	4X4 MIMO
Size (LxWxD):	646 mm x Ø75mm (excl. BRKT-40)

## OMNI-493



**Primary Industry:** Marine & Coastal

**Secondary Industry:** Commercial & Industrial; IoT, M2M & Smart Meters; Farming & Agricultural

Frequency:	617-960; 1427-1517; 1710 -2700; 3400-3800 MHz
Max Gain:	9dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	646 mm x Ø75 mm (excl. BRKT-40)

## OMNI-496



**Primary Industry:** Marine & Coastal

**Secondary Industry:** Commercial & Industrial; IoT, M2M & Smart Meters; Farming & Agricultural

Frequency:	2400-2500; 3300-3800; 5000-6000 MHz
Max Gain:	7.5dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	560mm x Ø75mm (excl. BRKT-40)

## OMNI-902



**Primary Industry:** Marine & Coastal

Frequency:	617 – 4200 MHz (Band 71- US Specific)
Max Gain:	9dBi
Radiation Pattern:	Omni-Directional
MIMO:	2x2 MIMO (2 x 5G/ LTE)
Size (LxWxD):	1654mm x Ø145mm

## OMNI-904



**Primary Industry:** Marine & Coastal

Frequency:	617 – 4200 MHz (Band 71- US Specific)
Max Gain:	9dBi
Radiation Pattern:	Omni-Directional
MIMO:	2x2 MIMO (2 x 5G/ LTE)
Size (LxWxD):	1654mm x Ø145mm

## OMNI-914



**Primary Industry:** Marine & Coastal

Frequency:	617 – 4200 MHz (Band 71- US Specific)
Max Gain:	9dBi
Radiation Pattern:	Omni-Directional
MIMO:	4x4 MIMO
Size (LxWxD):	2454mm x Ø145mm

## PUCK-1



Available in Black



**Primary Industry:** Transport & Mobility; Marine & Coastal; Commercial & Industrial; Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural

Frequency:	698-960; 1710-2700; 3200-3800 MHz
Max Gain:	6dBi
Radiation Pattern:	Omni-Directional
MIMO:	SISO
Size (LxWxD):	Ø99.3mm x 36mm

## PUCK-2



Available in Black



**Primary Industry:** Transport & Mobility; Marine & Coastal; Commercial & Industrial; Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural

Frequency:	698-960; 1710-2700; 3200-3800 MHz
Max Gain:	6dBi
Radiation Pattern:	Omni-Directional
MIMO:	2X2 MIMO - 2-in-1 Antenna: 2 x LTE
Size (LxWxD):	Ø99.3mm x 36mm

## PUCK-5



Available in Black



**Primary Industry:** Transport & Mobility; Marine & Coastal; Commercial & Industrial; Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural

Frequency:	698-960; 1710-2700; 3200-3800; 5000-6000 MHz
Max Gain:	7.5dBi
Radiation Pattern:	Omni-Directional
MIMO:	2X2 MIMO - 5-in-1 Antenna: 2 x LTE, 2 x Wi-Fi, 1 x GPS
Size (LxWxD):	Ø99.3mm x 36mm

## PUCK-12



Available in Black



**Primary Industry:** Transport & Mobility; Marine & Coastal; Commercial & Industrial; Mining & Tunnelling; IoT, M2M & Smart Meters; Farming & Agricultural

<b>Frequency:</b>	2400-2500; 5000-6000 MHz
<b>Max Gain:</b>	7.5dBi Wi-Fi
<b>Radiation Pattern:</b>	Omni-Directional
<b>MIMO:</b>	2X2 MIMO - 2-in-1 Antenna: 2 x Wi-Fi
<b>Size (LxWxD):</b>	Ø99.3mm x 36mm

## WAVEHUNTER



**Primary Industry:** Marine & Coastal

<b>Frequency:</b>	617-960; 1710-2700; 3400-4200 MHz (Band 71- US Specific)
<b>Max Gain:</b>	11dBi
<b>Radiation Pattern:</b>	Multi-Directional
<b>MIMO:</b>	6x (4X4 MIMO)
<b>Size (LxWxD):</b>	650mm x 650mm x 893mm