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## **Poynting OMNI-402, Omni- Directional, Marine, 2x2 MIMO 4G antenna; 410 to 3800 MHz**

SKU  
ANT-PY-00007  
MPN  
A-OMNI-0402-V2-01  
Barcode  
707273470393

## Description

The Poynting OMNI-402 is an omni-directional, marine-grade 2x2 MIMO 4G antenna designed for robust performance across a wide frequency range of 410 to 3800 MHz. Engineered with a durable ASA plastic housing, it is IP68-rated for superior protection against dust and water ingress, making it ideal for harsh marine environments. This dipole antenna is equipped with two SMA male RF connections, each supported by a 2 metre L-195 cable, offering reliable connectivity for high-speed data applications like 4G LTE, GSM, and M2M.

The OMNI-402 features linear polarisation and supports up to 10 W of input power, ensuring optimal performance for both residential and commercial applications. It boasts peak gains of up to 6.5 dBi within key frequency bands, maintaining a consistent azimuth beamwidth of 360° for comprehensive signal coverage. Compliant with CE, ISO 9001, RoHS, and MIL-STD-810F standards, this antenna is built to withstand demanding...

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## [Poynting](#)

Poynting is a top global provider of integrated antenna solutions, responsible for the innovation, design and manufacture of its market-leading products.

Established as a consultancy in 1990, Poynting evolved into an official PTY in 1997 and in 2001 established Poynting Antennas. It caters antenna solutions for primarily wireless high speed data applications, including residential 4G LTE as well ...

## RF Specification

**Cable 1: 4G-5G**

Start Frequency

410 MHz

Stop Frequency

3800 MHz

Max. Input Power

10 W

Polarisation

[Linear](#)

Input Impedance

50 Ω

RF Connectors

**Ports RF Interface Body Shape Cable Series Length**

1      [SMA Male](#)      [Straight](#)      [L-195](#)      2000 mm

Frequency Test Data

**Start Freq. Stop Freq. Peak Gain VSWR Azimuth**

410 MHz      470 MHz      1 dBi      < 2.5:1 360°

698 MHz      2700 MHz      6.5 dBi      < 2.5:1 360°

3400 MHz      3800 MHz      2.5 dBi      < 2.5:1 360°

**Cable 2: 4G-5G**

Start Frequency

410 MHz

Stop Frequency

3800 MHz

Max. Input Power

10 W

Polarisation

[Linear](#)

Input Impedance

50 Ω

RF Connectors

**Ports RF Interface Body Shape Cable Series Length**

1      [SMA Male](#)      [Straight](#)      [L-195](#)      2000 mm

Frequency Test Data

**Start Freq. Stop Freq. Peak Gain VSWR Azimuth**

410 MHz	470 MHz	1 dBi	< 2.5:1 360°
698 MHz	2700 MHz	6.5 dBi	< 2.5:1 360°
3400 MHz	3800 MHz	2.5 dBi	< 2.5:1 360°

## Physical Specification

Subtype

[Dipole](#)

Input Ports

2

MIMO

[2x2 MIMO](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

80 °C

Dimensions

750 x 27.5

Ingress Protection

[IP68](#)

Materials

[ASA Plastic](#)

Weight

0.86 kg

Compliance/Certifications

CE

,

ISO 9001 Quality Management

,

RoHS

Mechanical Compliance

MIL-STD-810: Environmental Durability

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