

Item no.: 362315

A-OMNI-0414-V1-01 - Ultra-Wide MIMO (4x4) Omni-dir. Marine & Coastal LTE/5G & Wi-Fi Antenna

from **419,74 EUR**

Item no.: 362315
shipping weight: 0.10 kg
Manufacturer: Poynting



Product Description

Thanks to IP68 protection against water ingress, the OMNI-414 is ideal for most severe storms at sea. It has been specially designed for use in marine and coastal environments. The antenna is also fully salt water protected, so it can be used in highly corrosive environments, including chemical and toxic environments.

Highlights:

- Global coverage for 5G and 4G
- Frequency band: 617 - 3800 MHz
- Peak gain: 3.5dBi
- MIMO: 4x4 MIMO
- Radome material: UV-stable ASA used for our marine antennas, which is more resistant to UV fading and offers protection against chemicals and salt water
- Radome colour: Brilliant white (same as Poynting marine antennas)
- Uses the same housing as the very popular OMNI-402

Electrical specifications - Mobile radio

- Frequency bands: 617 - 960 MHz, 1427 - 1517 MHz, 1710 - 2700 MHz, 3400 - 3800 MHz
- Gain (max.): 0 dBi at 617 - 960 MHz, 2 dBi at 1427 - 1517 MHz, 4 dBi at 1710 - 2700 MHz, dBi at 3400 - 3800 MHz
- Gain (average): -0.5 dBi at 617 - 960 MHz, 1.5 dBi at 1427 - 1517 MHz, 3.5 dBi at 1710 - 2700 MHz, 3.5 dBi at 3400 - 3800 MHz
- VSWR: <3:1
- Feed-in power: 10 W
- Input impedance: 50 Ohm (nominal)
- Polarisation: Linear vertical
- Coaxial cable loss: 0.385 dB/m at 900 MHz, 0.507 dB/m at 1500 MHz, 0.565 dB/m at 1800 MHz, 0.666 dB/m at 2400 MHz, 0.788 dB/m at 3000 MHz
- DC short circuit: Yes

Mechanical specifications

- Product dimensions: 750 mm x Ø75 mm (incl. BRKT-40)
- Packaging dimensions: 705 mm x 150 mm x 100 mm
- Weight: 1.06 kg
- Packaging weight: 1.88 kg
- Radome material: UV-stable marine ASA
- Radome colour: brilliant white Pantone P 179-1 C
- Mounting style: Standard 1" -14 TPI marine mount & wall/pole mount

Environmental specifications and approvals

- Wind Resistance: <160 km/h
- Temperature range (operating): -40°C to +80°C
- Environmental conditions: Outdoor/indoor
- Protection type/standard against water ingress: IP 68
- Salt spray: MIL-STD 810G/ASTM B117
- Operating relative humidity: Up to 98
- Storage humidity: 5% to 95% - non-condensing
- Storage temperature: -40°C to +80°C
- Flammability rating of enclosure: UL 94-HB
- Impact resistance: IK 08
- Product safety & environment: Complies with CE and RoHS standards

Scope of delivery:

- Antenna
- 4x 2 m HDF-195 cable with SMA connectors
- Several mounting options

Specifications

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prices and availability

