

Item no.: A-OMNI-0496-V1-01

## OMNI-496 - A-OMNI-0496-V1-01 - Omnidirectional Marine & Coastal Antenna

# 142,81 EUR

Item no.: A-OMNI-0496-V1-01  
 shipping weight: 1.30 kg  
 Manufacturer: Poynting



### Product Description

#### A-OMNI-0496-V1-01 - Omnidirectional Marine & Coastal Antenna

The OMNI-496 is a dual-band Wi-Fi omni-directional antenna, developed by Poynting Antennas. The antenna can connect to any Wi-Fi access point whether it is older Wi-Fi technology or new dual-band 802.11ac enabled Wi-Fi technology. The antenna can resolve channel saturation and provide the ultimate in Wi-Fi performance and flexibility. The OMNI-496 is an IP68 marine version of its urban, industrial & commercial counterpart, the OMNI-296. The antenna operates in two frequency bands 2.4 GHz and 5 GHz, offering excellent utilization of the radio spectrum. The antenna has a maximum gain of 6 dBi at 2.4 GHz band and 7.5 dBi in the 5 GHz band, which offers the best performance with reliable connections. The antenna has an N-Type female connector at its base which can be terminated to a cable of the desired type and length.

#### Electrical Specifications

- Frequency bands: 2400 -2500 MHz; 3400 - 3800 MHz; 5000 - 6000 MHz
- Gain (max.): 6 dBi (at) 2400-2500 MHz; 7 dBi (at) 3400-3800 MHz; 7.5 dBi (at) 5000-6000 MHz
- VSWR: ?2.5:1
- Feed power handling: 10 W
- Input impedance: 50 Ohm (nominal)
- Coax cable loss: Optional cable dependant
- DC short: Yes

#### Product Box Contents

- Antenna: A-OMNI-0496
- Mounting bracket: Marine adapter (1" -14 TPI) & L-bracket (30-50 mm pole)

#### Mechanical Specifications

- Product dimensions: 560 x 75 mm (incl. BRKT-40)
- Packaged dimensions: 580 x 95 x 95 mm
- Weight: 0.57 kg
- Packaged weight: 1.3 kg
- Radome material: UV stable marine ASA
- Radome color: Brilliant white Pantone P 179-1 C
- Mounting type: Standard 1" -14 TPI marine mount & wall/pole mount

#### Environmental Specifications, Certification & Approvals

- Wind survival: ?186 km/h
- Temperature range (operating): -40°C to +80°C
- Environmental conditions: Outdoor/indoor
- Water ingress protection ratio/standard: IP 68
- Salt spray: MIL-STD 810F/ASTM B117
- Operating relative humidity: Up to 98%
- Storage humidity: 5% to 95% - non-condensing
- Storage temperature: -40°C to +80°C
- Enclosure flammability rating: UL 94-HB
- Impact resistance: IK 08
- Product safety & environmental: Complies with CE and RoHS standards

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prices and availability

