

Item no.: 362306

A-MIMO-0003-V2-15-B - 5-in-1 marine/vehicle antenna, 2x 5G/LTE 410-3800 MHz + 2x WIFI 2.4/5 GHz

from **223,80 EUR**

Item no.: 362306
shipping weight: 0.10 kg
Manufacturer: Poynting



Product Description

The MIMO-3 contains 5 antennas in a single antenna housing and offers 2x cellular, 2x Wi-Fi and a GPS antenna. The 2x cellular MIMO antennas (for 2G/3G/4G) cover the 698 to 2700 MHz band, as well as the 450 MHz band, which is becoming increasingly popular with the various international network operators for LTE. This antenna is capable of handling future mobile technologies such as 5G due to its wideband capabilities and provides a versatile antenna that can be used across different operators and technologies. The antenna offers two separate dual-band Wi-Fi antennas that simultaneously provide 2.4 GHz and 5 GHz on each antenna with 2x2 MIMO capability. The fifth antenna is a high performance active GPS/GLONASS system that operates down to -40° Celsius. Poynting Antennas certifies both the fire retardant cables used in the manufacture of its antennas and cable assemblies, as well as the complete MIMO-1 antenna range for EMC ECE R10.04 - E10 marking. This means that Poynting antennas and cable assemblies can be used without hesitation in buses and other vehicle installations. Poynting Antennas has thus confirmed that all cables used by Poynting Antennas for the MIMO-1 and (new) MIMO-3 antenna series, as well as the following cable assemblies: CAB-118, CAB-119, CAB-124, CAB-121, CAB-122 and CAB-123, fulfil the requirements of ECE R118.2.

Electrical specifications - Mobile radio - Frequency bands: 410 - 470 MHz, 617 - 960 MHz, 1427 - 1517 MHz, 1710 - 2700 MHz, 3400 - 3800 MHz- Gain (maximum): 1 dBi at 410-470 MHz, 3.5 dBi at 617-960 MHz, 4 dBi at 1427-1517 MHz, 5.8 dBi at 1710-2700 MHz, 4 dBi at 3400-3800 MHz- VSWR: ?2.5:1 over 90 % of bands- Input power: 10 W- Input impedance: 50 Ohm (nominal)- Polarisation: Linear vertical- Coaxial cable loss: 0.250 dB/m at 400 MHz, 0.385 dB/m at 900 MHz, 0.507 dB/m at 1500 MHz, 0.565 dB/m at 1800 MHz, 0.788 dB/m at 3000 MHz- DC short circuit protection: Yes

Electrical specifications of the GPS/Glonass antenna - Frequency range (GPS): 1575.42 MHz/1600 MHz- Gain (max.): 21+/-2 dBi- VSWR: ?1.5:1- DC voltage: 2.7-3.3 V- DC current: 5-15 mA- Noise figure: ?1.5 dB- Nominal impedance: 50 ?- Polarisation: RHCP- Filter band attenuation: 12 dB min. f0+50 MHz, 16 dB min. f0-50 MHz- Voltage: 2.7 - 3.3 V- Max. Power: 50 W- Coaxial cable loss: 0.71 dB/m at 1500 MHz

Electrical specifications for Wi-Fi - Frequency: 2400 - 2500 MHz, 5000 - 7200 MHz- Gain (max.): 3 dBi at 2400-2500 MHz, 7 dBi at 5000-7200 MHz- VSWR: ? 2.5:1 over 95 % of the band- Input power: 10 W- Nominal input impedance: 50 Ohm (nominal)- Coaxial cable loss: 0.666 dB/m at 2400 MHz, 1.15 dB/m at 5800 MHz- Grounding: Yes

Product packaging contents - Antenna: A-MIMO-0003-V2-15-B- Mounting bracket: Threaded stud (up to 60 mm clamping thickness), self-adhesive surface mount & optional magnetic mount- Adapter: RPSMA (m) to SMA (f)

Mechanical specifications - Product dimensions: 253 mm x 128 mm x 144 mm- Packaging dimensions: 265 mm x 211 mm x 204 mm- Weight: 1.36 kg- Packaging weight: 1.46 kg- Radome material: UV-stable ASA- Mounting type: spigot, surface and magnetic mounting options

Environmental specifications, certifications and approvals - Wind survival: ?220 km/h- Temperature range (operating): -40°C to +80°C- Environmental conditions: Outdoor/indoor- Degree of protection/standard against water ingress: IP69K- Salt spray: MIL-STD 810G/ASTM B117- Relative humidity during operation: 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 10- Product safety and environment: Complies with CE and RoHS standards

Specifications

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All details, up-to-date
prices and availability

