

Item no.: A-PUCK-0002-V1-01-W

PUCK-2-W - A-PUCK-0002-V1-01-W - 2-in-1 Transportation & IoT/M2M Antenna

55,77 EUR

Item no.: A-PUCK-0002-V1-01-W
shipping weight: 0.10 kg
Manufacturer: Poynting



Product Description

A-PUCK-0002-V1-01-W - 2-in-1 Transportation & IoT/M2M Antenna

Poynting's new PUCK range offers a small profile antenna for use in the IoT/M2M, Smart Meter, Smart Utilities, Transportation, Marine and the Agricultural/Farming markets. The PUCK-2 consists of a 2-in-1 antenna system within a single housing, featuring 2x2 MIMO LTE antennas (for 2G/3G/4G) that cover the 698 to 3800 MHz band which includes the most popular international LTE bands. The PUCK exceeds the performance of many competitors due to the attention to design of this high-performance antenna. The radiation patterns of all radiating elements provide an excellent balance between omnidirectionality, pattern diversity and good radiation abilities at the desired elevation which is often overlooked in such a small size antenna. Despite its small size, this antenna provides excellent performance especially at the higher frequency bands where performance is critical for LTE throughput and connection stability. This antenna is designed so that both the LTE ports are connected to the router/device to ensure the best performance. Please see other derivatives of the PUCK range that are more suitable for a SISO application.

Electrical Specifications - Cellular

- Frequency bands: 698-960 MHz; 1710-2700 MHz; 3200-3800 MHz
- Gain (max.) port 1 & 2: -1 dBi (at) 698-960 MHz; 6 dBi (at) 1710-2700 MHz; 6 dBi (at) 3200-3800 MHz
- VSWR port 1 & 2: ?2.5:1 over 85% of the band
- Feed power handling: 10 W
- Input impedance: 50 Ohm (nominal)
- Polarisation: Linear vertical
- Coax cable loss: 0.56 dB/m (at) 900 MHz; 0.72 dB/m (at) 1800 MHz; 0.88 dB/m (at) 2400 MHz; 1.2 dB/m (at) 3000 MHz
- DC short: Yes

Product box contents

- Antenna: A-PUCK-0002-V1-01-W
- Mounting bracket: Threaded spigots (up to 60 mm clamping thickness), adhesive surface mounting & magnetic mount

Mechanical Specifications

- Product dimensions: 99.3 x 36 mm
- Packaged dimensions: 150 x 150 x 120 mm
- Weight: 0.376 kg
- Packaged weight: 0.507 kg
- Radome material: PC+ABS (Halogen free)
- Mounting type: 20 threaded spigot, pole, wall, surface and magnetic mount

Environmental Specifications, Certification & Approvals

- Wind survival: ?220 km/h
- Temperature range (operating): -40°C to +80°C
- Environmental conditions: Outdoor/indoor
- Water ingress protection ratio/standard: IP 68 – 30 minutes up to 1.5 m
- 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 10
- Product safety & environmental: Complies with CE and RoHS standards

Specifications

**Scan this QR code to
view the product**

All details, up-to-date
prices and availability

