Item no.: A-PUCK-0012-V1-01

PUCK-12 - Robust MIMO (2x2) Ultra Wide-Band Omni-Directional Wi-Fi PUCK Antenna, 2.4 & 5 GHz

from **61,85 EUR**

Item no.: A-PUCK-0012-V1-01
shipping weight: 0.60 kg
Manufacturer: Poynting

📄 Product Description

Poynting A-PUCK-0012-V1-01 - Robust MIMO (2x2) Ultra Wide-Band Omni-Directional Wi-Fi PUCK Antenna, 2.4 & 5 GHz

The new Poynting PUCK antenna offers a small profile antenna for use in the IoT/M2M, Smart Meter, Smart Utilities, Transport, Marine and Agriculture markets. The PUCK-2-V1 consists of an antenna system in a compact housing with 2x2 MIMO LTE, 2x2 MIMO Wi-Fi (dual band 2.4 GHz & 5 GHz) and GPS/GLONASS. The 2x cellular MIMO antennas (for 2G/3G/4G) cover the 698 to 3800 MHz band, which includes the most popular international LTE bands operating at temperatures down to -40°C. The PUCK surpasses the performance of many competitors by the attention paid to the design of this high performance antenna.

The radiation characteristics of all radiating elements provide an excellent balance between omni-directionality, pattern diversity and good radiated power at the desired height, which is often overlooked with such a small antenna. Despite its small size, this antenna offers excellent performance, especially in the higher frequency bands where performance is critical for LTE throughput and connection stability.Features:

- Small & low-profile (100 mm x h 36 mm)
- Careful mechanical design provides ruggedness, corrosion, water, dust resistance (IP68)
- Fire resistant (complies with ECE-R 118.02)
- UV stable enclosure
- Ground plane independent – performs consistently with and without a ground plane
- 5G ready; includes 3.2 to 3.8 GHz CBRS band
- Easy installation; multi implementation options (as standard): spigot mount, magnetic mount, adhesive tape mount, bracket mount

Application Areas:

- Smart utilities: Smart power, gas & water metering
- Smart buildings: Climate control, access control, security, irrigation
- Digital signage
- Warehouses & logistic systems
- Industrial factory automation, robotic machinery and other M2M systems
- Transport (busses, utility & public safety)
- Mining vehicles & machinery communications, telemetry and automation (M2M & IoT)
- Agricultural machinery
- Marine: small boats and yachts near to coastlines or inner waters

Electrical Specifications-Cellular

- Frequency bands: 2400-2500 MHz; 5000-6000 MHz
- Gain (max): 7 dBi
- VSWR:
- Feed power handling: 10 W
- Input impedance: 50 Ohm (nominal)
- Polarisation: Linear vertical
- Coax cable loss: 0.45 dB/m at 900 MHz; 0.71 dB/m at 2000 MHz; 0.79 dB/m at 2500 MHz; 0.9 dB/m at 3000 MHz
- DC short: Yes

Coax Cable & Connector Type Wi-Fi

- Cable length: 2 m +/-5%
- Coax cable type: RTK-031
- Connector type: SMA (male)

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- Coax cable type: RTK-031
- Connector type: SMA (male)
- Adapters: 2x RPSMA (m) to SMA (f)

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)
- Radome colour: Pantone Black
- Mounting type: 20 threaded spigot, pole, wall, surface and magnetic mount

Environmental Specifications, Certification & Approvals

- Wind survival:
- 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
- Flammability rating: UL 94-HB, ECE-R118.02 certified cables
- Impact resistance: IK 10
- Product safety & environmental: Complies with CE, EN, CSA, RoHS and IEC standards, E-mark certified

📄 Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability