

Item no.: A-PUCK-0008-V1-01

Poynting A-PUCK-0008-V1-01 - 4-in-1 Transportation & IoT/M2M Antenna

from **90,75 EUR**

Item no.: A-PUCK-0008-V1-01
 shipping weight: 0.61 kg
 Manufacturer: Poynting



Product Description

Poynting A-PUCK-0008-V1-01 - 4-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-8 consists of a 4-in-1 antenna system within a single housing, featuring 2x2 MIMO LTE and 2x2 MIMO Wi-Fi (Dual-band 2.4 & 5 GHz). The 2x cellular MIMO antennas (for 2G/3G/4G) cover the 698 MHz to 3800 MHz band, this includes the most popular international LTE bands. The antenna provides two separate dual-band Wi-Fi antennas offering concurrent 2.4 GHz and 5 GHz bands, capable of 802.11n and 802.11ac/ax with 2x2 MIMO. 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. [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 (buses, utility & public safety)
- Mining vehicles & machinery communications, telemetry and automation (M2M & IoT)
- Agricultural machinery
- Marine: Small boats, yachts near to coastlines or inner waters.

Specifications

Electrical Specifications - Cellular

Frequency bands: 698-960 MHz; 1710-2700 MHz; 3200-3800 MHz

Gain (max.) port 1 & 2: 6 dBi

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: 0.45 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 Wi-Fi Electrical Specifications

Frequency: 2400-2500 MHz, 5000-6000 MHz

Gain (max.) port 1 & 2: 7 dBi

VSWR port 1 & 2: ?2.5:1 over 95% of the band
Feed power handling: 10 W
Nominal 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
Path to ground: YesMechanical Specifications
Product dimensions: 99,3 mm x 36 mm
Packaged dimensions: 150 x 150 x 120 mm
Weight: 0.476 kg
Packaged weight: 0.607 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:

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

All details, up-to-date
prices and availability

