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Poynting PUCK-5-V2 4G-5G 5-in-1 Transportation Antenna, 2x2 MIMO, 2x2 WiFi, GPS, 617 to 7200 MHz, White

SKU
ANT-PY-00044
MPN
A-PUCK-0005-V2-01-W

Description

The Poynting PUCK-5-V2 is a robust 5-in-1 transportation antenna designed for versatile applications, including 4G/5G, WiFi, and GPS/GLONASS. With dual 2x2 MIMO LTE and WiFi capabilities, this antenna is ideal for high-speed data transmission in various environments. It supports frequencies from 617 to 7200 MHz, ensuring comprehensive network coverage.

Constructed from durable polycarbonate and ABS plastic, the PUCK-5-V2 is IP68 certified, offering excellent protection against dust and water ingress. It operates reliably in extreme temperatures ranging from -40 °C to 80 °C, making it suitable for harsh outdoor conditions.

The antenna features five RF connections with SMA Male interfaces and includes an integrated GNSS element for precise GPS and GLONASS positioning, boasting a 21 dBic gain. Compliance with CE and RoHS standards, along with MIL-STD-810 environmental durability, underscores its reliability and quality.

Poynting, a leader in...

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Poynting

Poynting is a top global provider of integrated antenna solutions, responsible for the innovation, design and manufacture of its market-leading products. Established as a consultancy in 1990, Poynting evolved into an official PTY in 1997 and in 2001 established Poynting Antennas. It caters antenna solutions for primarily wireless high speed data applications, including residential 4G LTE as well ...

RF Specification

Cable 1 & 2: LTE

Start Frequency
698 MHz
Stop Frequency
3800 MHz
Max. Input Power
10 W
Polarisation
Linear
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	A-302	2000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR
698 MHz	960 MHz	6 dBi	< 2.5:1
1710 MHz	2700 MHz	6 dBi	< 2.5:1
3200 MHz	3800 MHz	6 dBi	< 2.5:1

Cable 3 & 4: WiFi

Start Frequency
2400 MHz
Stop Frequency
6000 MHz
Max. Input Power
10 W
Polarisation
Linear
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	A-302	2000 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR
2400 MHz	2500 MHz	5 dBi	< 2.1:1
5000 MHz	6000 MHz	7.5 dBi	< 2.1:1

Cable 5: GPS/GLONASS

Gain (Zenith)
21 dBic
Start Frequency
1575.42 MHz
Stop Frequency
1600 MHz
Input Impedance
50 Ω
Polarisation
Right Hand Circular (RHCP)

Low Noise Amplifier (LNA)

Noise Figure
≤ 1.5 dB
Min. Operating Voltage
2.7 V
Max. Operating Voltage
3.3 V
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	SMA Male	Straight	A-302	2000 mm

Physical Specification

Subtype
Fin / Stud / Combo
Input Ports
5
MIMO
2x2 MIMO
Min. Operating Temperature
-40 °C

Max. Operating Temperature
80 °C
Dimensions
99.3 x 36
Ingress Protection
IP68
Materials
Polycarbonate (PC), ABS Plastic
Weight
0.52 kg
Compliance/Certifications
CE
,
RoHS
Mechanical Compliance
MIL-STD-810: Environmental Durability

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