

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 dBi gain. Compliance with CE and RoHS standards, along with MIL-STD-810 environmental durability, underscores its reliability and quality.

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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	Polarisation:	Linear
Stop Frequency:	3800 MHz	Input Impedance:	50
Max. Input Power:	10 W		

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	Polarisation:	Linear
Stop Frequency:	6000 MHz	Input Impedance:	50
Max. Input Power:	10 W		

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	Input Impedance:	50
Start Frequency:	1575.42 MHz	Polarisation:	Right Hand Circular (RHCP)
Stop Frequency:	1600 MHz		

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	Dimensions:	99.3 x 36
Input Ports:	5	Ingress Protection:	IP68
MIMO:	2x2 MIMO	Materials:	Polycarbonate (PC), ABS Plastic
Min. Operating Temperature:	-40 °C	Weight:	0.52 kg
Max. Operating Temperature:	80 °C	Compliance/Certifications:	CE
		RoHS	
		Mechanical Compliance:	MIL-STD-810: Environmental Durability

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