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Poynting HELI-22, Bi-Directional, Circular-Polarised Tunnel, Dual Band WiFi antenna, 2400 to 6000 MHz

SKU
ANT-PY-00029
MPN
A-HELI-0022-V3-01

Description

The Poynting HELI-22 is a robust bi-directional, circular-polarised, dual-band WiFi antenna, designed for superior performance in tunnel environments. Operating across a frequency range of 2400 to 6000 MHz, this helical antenna is ideal for applications requiring reliable wireless communication, such as 4G LTE, GSM, M2M, and digital television. Its dual-band capability ensures enhanced connectivity and data throughput.

Constructed from durable ABS Plastic and PVC, the HELI-22 is certified to an IP65 ingress protection rating, making it suitable for harsh environments. With a temperature tolerance from -40 °C to 70 °C, it maintains optimal performance under extreme conditions. Weighing 5.6 kg and measuring 603 x 415 x 266 mm, this antenna is both robust and manageable.

The HELI-22 features four RF input ports, supporting 2x2 MIMO configurations for improved signal strength and reliability. Its electrical elements offer a peak gain of 9.0...

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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

Antenna Element 1

Max. Input Power
30 W
Polarisation
Left Hand Circular (LHCP)
Input Impedance
50 Ω
Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR
2400 MHz	2500 MHz	9 dBi	< 2:1
5000 MHz	6000 MHz	11 dBi	< 2:1

Physical Specification

Subtype
Helical
Input Ports
4
MIMO
2x2 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
70 °C
Dimensions
603 x 415 x 266
Ingress Protection
IP65
Materials
ABS Plastic, Polyvinyl Chloride (PVC)
Weight
5.6 kg
Compliance/Certifications
CE
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RoHS

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ISO 9001 Quality Management

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