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Poynting OMNI-902, Omni-Directional, High Gain, 2x2 MIMO 4G-5G antenna, 617 to 4200 MHz

SKU
ANT-PY-00066
MPN
A-OMNI-0902-V1-02

Description

The Poynting OMNI-902 is a high-performance, omni-directional antenna designed for seamless 4G and 5G connectivity across a wide frequency range of 617 to 4200 MHz. Engineered for durability, it features a robust construction using Fibreglass (GRP) and Stainless Steel (316), and is rated IP65 for excellent protection against dust and water ingress. This 2x2 MIMO antenna supports two RF connections, enhancing data transmission reliability and speed for high-speed data applications.

The antenna's collinear design ensures consistent signal reception in all directions with a 360° azimuth beamwidth. Its vertical polarisation and 50 Ω impedance make it suitable for diverse applications, including residential 4G LTE, GSM, M2M communications, DTV, and customer premise equipment. The OMNI-902 is compliant with CE and RoHS standards, ensuring adherence to international safety and environmental regulations.

Poynting, a renowned leader in antenna...

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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

Omni-Directional Antenna

Start Frequency
617 MHz
Stop Frequency
4200 MHz
Polarisation
Vertical (V)
Input Impedance
50 Ω
Frequency Test Data

Start Freq.	Stop Freq.	Azimuth
617 MHz	4200 MHz	360°

Physical Specification

Subtype
Collinear
Input Ports
2
MIMO
2x2 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Ingress Protection
IP65
Materials
Fibreglass (GRP), Stainless Steel (316)
Compliance/Certifications
CE
,
RoHS
Mechanical Compliance
IEC 60529: IP Code

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