

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

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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.

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## RF Specification

### Omni-Directional Antenna

	<p>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, GSM, M2M communications, DTV, and customer premise equipment.</p>		
Start Frequency:	617 MHz	Polarisation:	Vertical (V)
Stop Frequency:	4200 MHz	Input Impedance:	50

Frequency Test Data

**Start Freq.**

617 MHz

**Stop Freq.**

4200 MHz

**Azimuth**

360°

# Physical Specification

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

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