

Poynting 9dB 3/4G High Gain Cross Polarised LTE MIMO Antenna (4G-XPOL-A0002)



Product Name: Poynting 9dB 3/4G High Gain Cross Polarised LTE MIMO Antenna (4G-XPOL-A0002)

Manufacturer: Poynting Antennas

Model Number: 4G-XPOL-A0002

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The Poynting 4G-XPOL-A0002 provides an innovative solution for 4G / 3G and 2G networks including WiFi. It is a unique wall- or pole-mountable, dual polarised, full LTE band antenna. Incorporating two separately fed ultra wideband elements in a single housing, the antenna is equipped to provide client-side MiMo and diversity support for the networks of today and tomorrow.

Poynting 4G-XPOL-A0002 Key Features

- Futureproof wideband LTE antenna and WiFi operational frequencies.
- Backwards compatible with 3G, 2G technologies.
- Two cross polarised antennas in one enclosure for optimal LTE performance.
- Improves mobile network subscriber's user experience.
- Increased connectivity stability
- Weather- and vandal resistant enclosure
- High gain directional antenna
- Broadband covering multiple operational frequencies
- Wall or pole mountable
- Lightweight
- Waterproof

This is a cost effective solution for enhancing signal reception and throughput. The XPOL-2 antenna increases signal reliability, ensures higher data throughput for users and provides a stable, high quality connection. This improves subscriber user experience and secures client retention. It is ideal for any application using the GSM network (LTE/ HSPA/3G/EDGE/GPRS).

Poynting 4G-XPOL-A0002 Technical Specifications

Application areas

- Urban and rural areas
- Poor data signal reception (indoor or outdoor)
- Slow data transmission connection areas
- Unstable connection
- Increase system transmission reliability
- LTE fringe areas (close to an LTE area, but just out of reach)
- Network operator flexibility - as the antennas is wideband, a new antenna is not needed per network operator - works on most networks
- Regulatory

Electrical Specifications

- Frequency Bands: - 698 - 960 MHz - 1710 - 2170 MHz - 2300 - 2400 MHz - 2500 - 2700 MHz
- Gain (Max): 9 dBi
- VSWR: < 2.5:1
- Feed Power Handling: 10 W
- Input impedance: 50 Ohm (nominal)
- Polarisation: 0°; and 90°;
- Port to Port Isolation: >15dB

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- MIMO decorrelation: ≤ 0.3
- Cable loss: - 0.35dB/m @900 MHz - 0.53dB/m @ 2000 MHz - 0.6dB/m @2500 MHz
- DC Short: Yes

Mechanical Specifications

- Product Dimensions (L x W x D): 255 mm x 250 mm x 80 mm
- Packaged Dimensions: 290 mm x 267 mm x 98 mm
- Weight: 1,55 kg
- Packaged Weight: 1,98 kg
- Radome Material: ABS (Halogen Free)
- Radome Colour: Pantone - Cool Grey (1C) RAL 7047

Environmental Specifications

- Wind Survival: ≤ 120km/h
- Temperature Range (Operating): -40$^{\circ}$C to +70$^{\circ}$C
- Environmental Conditions: Outdoor/Indoor
- Operating Relative Humidity: Up to 98%
- Storage Humidity: 5% to 95% - non condensing
- Storage Temperature: -40$^{\circ}$C to +70$^{\circ}$C

Product Box Contents

- Antenna: A-XPOL-0002-V2
- Mounting Bracket: 1 x Z-shaped mounting bracket suitable for wall or pole mount
- Cable Length: 5m
- Cable Type: Black twin siamese HDF 195
- Connector: 2X SMA (M)Gold plated

The cables and connectors are factory mounted to the antenna

Ordering Information

- Commercial name: XPOL-2
- Order Product Code: A-XPOL-0002-V2
- EAN number: 6009693810051

Certification Approvals and Standards

- Flammability rating: UL 94-V0 EN 13823
- Water Ingress Protection Ratio/Standard: IP 65 (NEMA 4X)
- Impact resistance: IK 08
- Salt Spray: MIL-STD 810F/ASTM B117
- Product Safety: Complies with UL, CE, EN, CSA and IEC standards

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Price: £114.00
