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Poynting XPOL-24, 4x4 MIMO 4G-5G antenna, 617 to 4200 MHz, N Female

SKU
ANT-PY-00053
MPN
A-XPOL-0024-V1-02

Description

The Poynting XPOL-24 is a versatile 4x4 MIMO antenna designed for seamless 4G and 5G connectivity, covering a broad frequency range from 617 to 4200 MHz. This antenna is ideal for high-speed wireless data applications, including residential 4G LTE, GSM, M2M, and DTV, making it suitable for consumer, broadcast, and telecommunications markets.

Constructed with durable ASA plastic, the XPOL-24 withstands harsh outdoor conditions with an IP65 ingress protection rating and operates effectively in temperatures from -40°C to 80°C. Weighing 3.17 kg and featuring dimensions of 290 x 444 x 110 mm, its robust design ensures reliable performance in diverse environments.

Equipped with four N Female RF connectors, the XPOL-24 supports a 50 Ω impedance and up to 10 W input power, ensuring optimal signal transmission. It offers impressive gain values, reaching up to 11.0 dBi, and maintains a VSWR of <2.0:1 across its frequency ranges, ensuring efficient signal reception and transmission.

Poynting, a leading global innovator in antenna solutions, designs and manufactures its products to meet stringent CE and RoHS compliance standards. Headquartered in Johannesburg, with operations in China and a European office in Munich, Poynting delivers cutting-edge connectivity solutions worldwide.



Poynting

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

Start Frequency
617 MHz
Stop Frequency
4200 MHz
Max. Input Power
10 W
Polarisation
Vertical (V)
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape
1	N Female	Straight

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR
617 MHz	960 MHz	8.5 dBi	< 2:1
1710 MHz	2700 MHz	8.5 dBi	< 2:1
3400 MHz	4200 MHz	11 dBi	< 2:1

Physical Specification

Input Ports
4
MIMO
4x4 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
290 x 444 x 110
Ingress Protection
IP65

Materials
ASA Plastic
Weight
3.17 kg
Compliance/Certifications
CE
,
RoHS

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