Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

Poynting WLAN-61, 4x4 MIMO Dual Band WiFi antenna; 2400 to 6000 MHz

SKU
ANT-PY-00063
MPN
A-WLAN-0061-V1

Description

The Poynting WLAN-61 is a high-performance 4x4 MIMO Dual Band WiFi antenna, designed for optimal connectivity across a wide frequency range of 2400 to 6000 MHz. With a robust ABS plastic construction and an IP65 ingress protection rating, this antenna is built to withstand harsh environmental conditions, operating effectively in temperatures from -40°C to 70°C.

The antenna supports advanced wireless applications by offering four RF connections through SMA Female interfaces, ensuring efficient data transmission. Its dual slant ±45° polarisation enhances signal reliability and performance, making it an ideal solution for demanding applications such as 4G LTE, GSM, M2M, and DTV. The WLAN-61's peak gains of 9.0 dBi at 2400-2500 MHz and 11.0 dBi at 5000-6000 MHz provide superior signal strength, while maintaining a VSWR of less than 2.0:1 for optimal impedance matching.

Certified to CE, ISO 9001, and RoHS standards, and tested to meet MIL-STD...

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Making wireless happen

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
2400 MHz
Stop Frequency
6000 MHz
Max. Input Power
10 W
Polarisation
Dual Slant ±45°
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape
1	SMA Female	Straight

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

Input Ports
4
MIMO
4x4 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
70 °C
Dimensions
240 x 240 x 60
Ingress Protection
IP65
Materials
ABS Plastic
Weight
0.76 kg

Compliance/Certifications
CE
,
ISO 9001 Quality Management
,
RoHS
Mechanical Compliance
MIL-STD-810: Environmental Durability

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