

# 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  $\pm 45^\circ$  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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## RF Specification

|                   |          |  |                           |
|-------------------|----------|--|---------------------------|
| Start Frequency:  | 2400 MHz | Polarisation:  | Dual Slant $\pm 45^\circ$ |
| Stop Frequency:   | 6000 MHz | Input Impedance:   | 50 $\Omega$               |
| Max. Input Power: | 10 W     |  Poynting is the 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 Connectors

**Ports**

1

**RF Interface**

SMA Female

**Body Shape**

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        | Dimensions:                | 240 x 240 x 60                                      |
| MIMO:                       | 4x4 MIMO | Ingress Protection:        | IP65  |
| Min. Operating Temperature: | -40 °C   | Materials:                 | ABS Plastic   |
| Max. Operating Temperature: | 70 °C    | Weight:                    | 0.76 kg   |
|                             |          | Compliance/Certifications: | CE<br>,<br>ISO 9001 Quality Management<br>,<br>RoHS |
|                             |          | Mechanical Compliance:     | MIL-STD-810: Environmental<br>Durability            |

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