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Poynting WLAN-60, Dual Band WiFi antenna, 2400 to 6000 MHz

SKU
ANT-PY-00062
MPN
A-WLAN-0060-V1

Description

The Poynting WLAN-60 is a dual-band WiFi antenna designed for versatile applications across consumer, broadcast, and telecommunications markets. Operating within a frequency range of 2400 to 6000 MHz, this panel/sector antenna is ideal for high-speed data needs, including 4G LTE, GSM, M2M, and digital TV applications. Made from durable ABS plastic, it features an IP65-rated enclosure, ensuring robust performance in harsh environments from -40°C to 70°C.

The antenna delivers exceptional RF performance with a peak gain of up to 18.0 dBi, supported by a 50 Ω impedance and up to 10 W of input power. Its linear polarisation and 1x SMA female connector facilitate straightforward integration into various systems. The WLAN-60 meets CE, RoHS, and ISO 9001 quality standards, and its durability is validated by MIL-STD-810 compliance.

Poynting, a leader in integrated antenna solutions, designs and manufactures this innovative product with a focus on...

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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
Linear
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	13 dBi	< 2.5:1
3300 MHz	3800 MHz	15 dBi	< 2.5:1
5000 MHz	6000 MHz	18 dBi	< 2.5:1

Physical Specification

Subtype
Panel / Sector
Input Ports
1
MIMO
1x1 SISO
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
,
RoHS
,
ISO 9001 Quality Management
Mechanical Compliance
MIL-STD-810: Environmental Durability

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