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Powertec 4G-5G 4x4 MIMO Panel Antenna, 700 to 3800 MHz, N Female

SKU
ANT-BH-00049
MPN
4XPA-6938-9.N2
Barcode
9337692000416

Description

The Powertec 4G-5G 4x4 MIMO Panel Antenna is designed to enhance wireless communication capabilities across a broad frequency range of 700 to 3800 MHz. This panel antenna is particularly suited for boosting both 4G and 5G signals, making it highly valuable in improving network reliability and data throughput in various environments. Its 4x4 MIMO configuration enables multiple data streams, enhancing bandwidth and reducing latency, which is critical for applications requiring high-speed connectivity.

Constructed from durable aluminium, this antenna is built to withstand harsh outdoor conditions, operating effectively between -40°C and 65°C. Its dual slant ±45° polarisation ensures optimal signal reception and transmission, while the antenna's peak gain of up to 9.0 dBi allows for significant improvement in signal strength. This makes it ideal for use in rural areas, where signal strength can be inconsistent, or urban settings that demand...

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Powertec is a wireless technology manufacturer and systems integrator based in Australia. Operating since 1995, Powertec has grown to become the leading wireless technology distributor in its region, and a leading Infratech systems developer. Supporting over 1500 partners the company provides procurement, design, project management, and support services across Australia, New Zealand, Pacific ...

RF Specification

Start Frequency
698 MHz
Stop Frequency
3800 MHz
Max. Input Power
100 W
Polarisation
Dual Slant ±45°
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape
1	N Female	Straight
1	N Female	Straight
1	N Female	Straight
1	N Female	Straight

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation	F/B Ratio	Inter-Port Iso.
698 MHz	960 MHz	8 dBi	< 1.8:1	75°	63°	> 18 dB	> 20 dB
1710 MHz	2700 MHz	9 dBi	< 1.8:1	68°	60°	> 22 dB	> 22 dB
3300 MHz	3800 MHz	9 dBi	< 1.8:1	65°	58°	> 18 dB	> 22 dB

Physical Specification

Subtype
Panel / Sector
Input Ports
4
MIMO
4x4 MIMO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
65 °C
Dimensions
500 x 286 x 132
Materials
Aluminium

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