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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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RF Specification

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

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

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