

Powertec 4G Low Band MIMO Panel Antenna, 4.3-10 Female

SKU: ANT-PT-00007

MPN: 2XPA-6996-15.432

Barcode: 9337692002496

Description

2XPA-6996-15 is a heavy duty 2x2 MIMO antenna covering 4G LTE and 5G NR lower cellular bands from 698 to 960 MHz with high gain, high front-to-back ratio, and low VSWR.

With a 14 dBi peak gain across the entire band it serves as a exceptional long range 700 MHz 4G LTE MIMO XPOL antenna. The antenna is ready for Telstra's long range 5G 850 MHz network as well Optus and Vodafone 900 MHz services. This high performance antenna ensures the best possible connectivity regardless of network coverage type.

The antenna has two 4.3-10 female flange connectors, providing IP67 weatherproof feeder cable connectivity.

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As a field antenna this model is extraordinarily powerful. Installing the antenna anywhere with B28 700 MHz 4G coverage nearby produces a dramatic increase in signal strength. With a 45° main lobe (azimuth) the antenna requires minimal alignment. With dual-slant polarisation and its wide beam able to capture a high level of multipath achieving RI-2 is effortless.

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RF Specification

Start Frequency:	698 MHz	Polarisation:	Dual Slant ±45°
Stop Frequency:	960 MHz	Input Impedance:	50
Max. Input Power:	250 W		

RF Connectors

RF Interface	Body Shape
4.3-10 Female	Straight
4.3-10 Female	Straight

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation	F/B Ratio	Inter-Port Iso.
698 MHz	804 MHz	12.7 dBi	< 1.6:1	40°	40°	> 22 dB	> 25 dB
804 MHz	896 MHz	13.6 dBi	< 1.5:1	36°	35°	> 23 dB	> 25 dB
896 MHz	960 MHz	13 dBi	< 1.4:1	35°	30°	> 21 dB	> 25 dB

Physical Specification

Subtype:	Panel / Sector	Dimensions:	600 x 450 x 156
Input Ports:	2	Materials:	Fibreglass (GRP)
MIMO:	2x2 MIMO	Mounting:	Pole Clamp 25 to 52 mm
Min. Operating Temperature:	-40 °C	Weight:	12 kg
Max. Operating Temperature:	60 °C		
PIM, 3rd Order:	-140 dBc		

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