Powertec Wireless Technology
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Powertec 4G-5G Slim Series Ceiling Antenna, 700 to 4000 MHz, N Female

SKU
ANT-BH-00010
MPN
HCEI-6940-3.N2
Barcode
9337692000256

Description

Powertec's slimline ceiling antenna is the ideal solution for a clean, aesthetic appearance without sacrificing performance. The antenna has been shaped to generate a 360° hemisphere of signal for complete internal coverage when mounted on the ceiling.

Indoor ceiling-mount antennas, sometimes called dome antennas, are designed to be mounted to the ceiling of your building to consistently distribute mobile phone service from your repeater / booster system. The thin white design allows the product to be nearly invisible when mounted, yet provides a strong increase in 4G-5G cellular coverage when connected to an in-building repeater system.

The antenna provides consistent gain across the 4G-5G cellular range from 700 to 4000 MHz, with stable omnidirectional coverage. It is horizontally polarised to provide maximum isolation in smaller installation environments such as demountable temporary office buildings and containers. The antenna has a low-PIM design to protect the network when broadcasting multiple carriers from the one antenna.



Powertec

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

Connection 1

Start Frequency
698 MHz
Stop Frequency
4000 MHz
Max. Input Power
50 W
Polarisation
Horizontal (H)
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	N Female	Straight	RG-402	300 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Elevation

698 MHz	960 MHz	3 dBi	< 1.8:1	120°
1690 MHz	2200 MHz	4 dBi	< 1.8:1	85°
2300 MHz	2500 MHz	4 dBi	< 1.8:1	76°
2500 MHz	2700 MHz	5 dBi	< 1.8:1	70°
3300 MHz	4000 MHz	3 dBi	< 2:1	62°

Physical Specification

Subtype
Ceiling
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
65 °C
PIM, 3rd Order
-150 dBc
Dimensions
190 x 190 x 7.3
Materials
ABS Plastic
Mounting
Ceiling
Weight
0.25 kg

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