

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.



RF Specification

Connection 1

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

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

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