

Powertec 4G-5G Ceiling Mount Dome Antenna, 698 to 4000 MHz, 4.3-10 Female

SKU: IBC-PT-00023

MPN: VCEI-6940-2.432

Barcode: 9337692001505

Description

- 4G LTE, 5G NR bands 698 to 4000 MHz
- Smoke alarm style ABS radome that blends into surroundings
- Semi-Flexible blue RG-402 cable tail
- Ideal for commercial in-building coverage
- N, 4.3-10, NEX10 Female input connector options available, (4.3-10 Female standard).

The Powertec 4G-5G Ceiling Mount Dome Antenna is engineered to enhance in-building wireless connectivity across a broad spectrum of frequencies, from 698 MHz to 4000 MHz, supporting both 4G LTE and 5G NR bands. This ceiling-mounted antenna is ideally suited for commercial environments where robust cellular coverage is essential. It features a discreet smoke alarm style ABS radome that seamlessly integrates into various architectural settings, making it a practical choice for office buildings, shopping centres, and other commercial spaces.

With a focus on performance, this antenna provides a reliable 1x1 SISO configuration, ensuring consistent signal strength and coverage. It operates efficiently within a temperature range of -40 °C to 65 °C, making it suitable for diverse climatic conditions. The antenna delivers a peak gain ranging from 1.0 dBi to 5.3 dBi, depending on the frequency band, ensuring optimal signal reception and...



Powertec

RF Specification

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 ...

Start Frequency:	690 MHz	Polarisation:	Vertical (V)
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Stop Frequency:	4000 MHz	Input Impedance:	50
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Max. Input Power:	50 W
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RF Connectors

Ports	RF Interface	Body Shape	Cable Series	Length
1	4.3-10 Female	Straight	PSF-402	300 mm

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation	Efficiency
602 MHz	690 MHz	1.1 dBi	< 1.7:1	360°	101°	80%
695 MHz	778 MHz	1.2 dBi	< 1.7:1	360°	105°	85%
778 MHz	885 MHz	1.3 dBi	< 1.7:1	360°	107°	84%
885 MHz	960 MHz	1 dBi	< 1.7:1	360°	110°	84%
1695 MHz	1880 MHz	4.6 dBi	< 1.4:1	360°	51°	85%
1880 MHz	2200 MHz	5.1 dBi	< 1.4:1	360°	45°	84%
2200 MHz	2400 MHz	5.3 dBi	< 1.4:1	360°	38°	86%
2400 MHz	2700 MHz	5.2 dBi	< 1.4:1	360°	33°	83%
3400 MHz	4000 MHz	4.9 dBi	< 2.6:1	360°	70°	81%

Physical Specification

Subtype:	Ceiling	Dimensions:	170 x 160 x 190
Input Ports:	1	Materials:	ABS Plastic
MIMO:	1x1 SISO	Mounting:	Ceiling
Min. Operating Temperature:	-40 °C	Weight:	0.3 kg
Max. Operating Temperature:	65 °C	Compliance/Certifications:	ISO 9001 Quality Management
PIM, 3rd Order:	-150 dBc		

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