

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)

Stop Frequency: 4000 MHz Input Impedance: 50

Max. Input Power: 50 W

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		

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

