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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...

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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

Start Frequency

690 MHz

Stop Frequency

4000 MHz

Max. Input Power

50 W

Polarisation

[Vertical \(V\)](#)

Input Impedance

50 Ω

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](#)

Input Ports

1

MIMO

[1x1 SISO](#)

Min. Operating Temperature

-40 °C

Max. Operating Temperature

65 °C

PIM, 3rd Order

-150 dBc

Dimensions

170 x 160 x 190

Materials

[ABS Plastic](#)

Mounting

[Ceiling](#)

Weight

0.3 kg

Compliance/Certifications

ISO 9001 Quality Management

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