

# CommScope CMAX-D-43-UW-I53 Low PIM Directional In-building Antenna, 617-960 MHz, 1695- 2700, 3300-3800 and 4900-6000MHz

SKU: ACC-CS-00017

MPN: CMAX-D-43-UW-I53

## Description

The CommScope CMAX-D-43-UW-I53 is a robust Low PIM Directional In-building Antenna designed for efficient wireless communication across a wide frequency range of 617 MHz to 6000 MHz. This panel antenna is compact, measuring 301 x 296 x 126 mm and weighing 2.4 kg, constructed from durable Polyvinyl Chloride (PVC) to withstand temperatures from -40 °C to 60 °C.

Engineered for superior performance, the antenna offers a vertical polarisation with a 3rd Order PIM rating of -153 dBc, ensuring minimal interference and optimal signal integrity. It supports a 50 Ω impedance and handles up to 50 W input power. The antenna provides a peak gain ranging from 4.8 dBi to 7.2 dBi across its operational bands, with varying azimuth beamwidths for targeted coverage, making it suitable for diverse in-building applications.

Equipped with a single 4.3-10 Female RF connection via a 420 mm 0.141 Semi-Rigid cable, this antenna ensures reliable connectivity...

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# RF Specification

Start Frequency:	617 MHz	Polarisation:	Vertical (V)
Stop Frequency:	6000 MHz	Input Impedance:	50
Max. Input Power:	50 W		

## RF Connectors

Ports	RF Interface	Cable Series	Length
1	4.3-10 Female	0.141 Semi-Rigid	420 mm

## Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	Return Loss	VSWR	Azimuth
617 MHz	698 MHz	5.8 dBi	> 10.9 dB	< 1.8:1	90°
698 MHz	960 MHz	5.8 dBi	> 10.9 dB	< 1.8:1	86°
1710 MHz	2700 MHz	7.2 dBi	> 10.9 dB	< 1.8:1	58°
3300 MHz	3800 MHz	6.5 dBi	> 11.7 dB	< 1.7:1	60°
4900 MHz	6000 MHz	4.8 dBi	> 10.9 dB	< 1.8:1	68°

# Physical Specification

Subtype:	Panel / Sector	Dimensions:	301 x 296 x 126
Input Ports:	1	Materials:	Polyvinyl Chloride (PVC)
MIMO:	1x1 SISO	Weight:	2.4 kg
Min. Operating Temperature:	-40 °C	Compliance/Certifications:	ISO 9001 Quality Management
Max. Operating Temperature:	60 °C	RoHS	,
PIM, 3rd Order:	-153 dBc		

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