

CMAX-OMF9-43-UWI53 | CMAX-OMF9-43-UWi53



Cell-Max™ Low PIM Omni 4x4 MIMO In-building Antenna, 1695–2700MHz, 3300–4200MHz and 4600–6000MHz

Product Classification

Product Type	In-building antenna
Product Brand	Cell-Max™

General Specifications

Application	Indoor
Antenna Type	Omni
Polarization	Linear Horizontal
Color	White (RAL 9016)
Mounting	Thru-hole ceiling mount (optional)
Mounting Note	For antenna installation on metal ceilings, please contact your local CommScope representative
Number of Ports	4
Pigtail Cable	670-141SXE, plenum rated
Radome Material	ASA+PC, UV stabilized
RF Connector Interface	4.3-10 Female

Dimensions

Height	14 mm 0.551 in
Pigtail Length	500 mm 19.685 in
Outer Diameter	210 mm 8.268 in

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1695 – 2700 MHz 3300 – 4200 MHz 4600 – 6000 MHz
Electrical Note	Values typical, unless otherwise stated

Electrical Specifications

Frequency Band, MHz	1695–2700	3300–4200	4600–6000
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Gain, dBi	3.6	5.2	4.7
Beamwidth, Horizontal, degrees	360	360	360
Isolation, Cross Polarization, dB	17	24	24
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	
Input Power per Port, maximum, watts	50	50	50

VSWR/Return Loss

Frequency Band	VSWR, Maximum	Return Loss, Maximum (dB)	VSWR, Mean	Return Loss, Mean (dB)
1695–2700 MHz	1.798	10.9	1.499	14
3300–4200 MHz	1.798	10.9	1.499	14
4800–6000 MHz	1.798	10.9	1.499	14

Environmental Specifications

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Relative Humidity	Up to 100%

Packaging and Weights

Height, packed	250 mm 9.843 in
Depth, packed	125 mm 4.921 in
Length, packed	250 mm 9.843 in
Weight, net	0.7 kg 1.543 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

