

CMAX-3030-43-US



Cell-Max™ Low PIM Directional High Capacity Venue (4x4) MIMO Antenna, 4x 1695–2700, 4x 3100–4200, 2x 5150–5925 MHz,

OBSOLETE

This product was discontinued on: April 29, 2022

Product Classification

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

General Specifications

Application	Indoor/Outdoor
Antenna Type	Directional
Polarization	±45°
Color	White (RAL 9016)
Number of Ports	10
Radome Material	ABS + ASA
RF Connector Interface	4.3-10 Female

Dimensions

Height	126 mm 4.961 in
Width	515 mm 20.276 in
Length	685 mm 26.969 in

Electrical Specifications

Electrical Note	Values typical, unless otherwise stated
Impedance	50 ohm
Lightning Protection	dc Ground
Operating Frequency Band	1695 – 2700 MHz 3100 – 4200 MHz 5150 – 5925 MHz

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Electrical Specifications

Frequency Band, MHz	1695–2200	2200–2700	3100–4200	5150–5925
Gain, dBi	14.2	16	16	3.6
Beamwidth, Horizontal, degrees	33	25	27	25
Beamwidth, Vertical, degrees	35	28	27	20
Horizontal Sidelobe, dB	15	15	18	15
Front-to-Back Ratio at 180°, dB	34	35	35	30
CPR at Boresight, dB	22	24	22	19
Isolation, Cross Polarization, dB	25	25	22	25
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	
Input Power per Port, maximum, watts	100	100	100	1

Environmental Specifications

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Relative Humidity	Up to 100%
Ingress Protection Test Method	IEC 60529:2001, IP65
Vibration Test Method	ASTM D4169 IEC 60068-2-6

Packaging and Weights

Height, packed	210 mm 8.268 in
Width, packed	585 mm 23.032 in
Length, packed	935 mm 36.811 in
Included	Mounting bracket
Packaging quantity	1
Weight, gross	15.5 kg 34.172 lb
Weight, net	6 kg 13.228 lb