

CMAX-3030-CPUSEV53

Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 698–960 MHz and 1710–2700 MHz, 30-Deg,



OBSOLETE

This product was discontinued on: January 31, 2018

Replaced By:

CMAX-3030S-D-V53 Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 698–960 MHz and 1710–2700 MHz, 30-Deg,

Product Classification

Product Type	Indoor/outdoor antenna
Product Brand	Cell-Max™

General Specifications

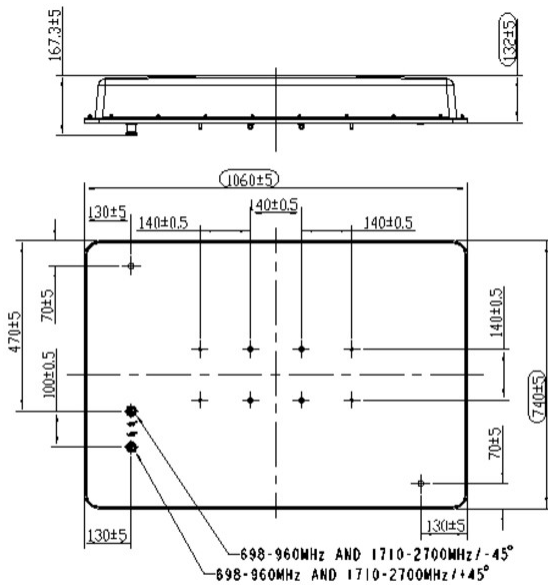
Application	Indoor/Outdoor
Antenna Type	Directional
Polarization	±45°
Color	White
Number of Ports	2
Radome Material	Fiberglass, UV resistant
RF Connector Interface	7-16 DIN Female

Dimensions

Width	740 mm 29.134 in
Depth	167 mm 6.575 in
Length	1060 mm 41.732 in

CMAX-3030-CPUSEV53

Outline Drawing



Electrical Specifications

Impedance	50 ohm
Lightning Protection	dc Ground

Electrical Specifications

Frequency Band, MHz	698-800	800-960	1695-1880	1850-1990	1920-2180	2200-2700	2300-2360
Gain, dBi	14.2	15.4	12.6	13.6	14.2	15.3	15
Beamwidth, Horizontal, degrees	34	29	38	35	32	28	29
Beamwidth, Vertical, degrees	34	29	38	35	32	28	29
Horizontal Sidelobe, dB	20	19	20	20	20	20	20
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	30	32	32	34	34	36	36
CPR at Boresight, dB	20	24	18	18	18	18	18
Isolation, Cross Polarization, dB	23	23	23	23	23	23	23
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0	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	-153	-153	-153	-153

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Input Power per Port, maximum, watts	200	200	200	200	200	200	200
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Mechanical Specifications

Wind Loading @ Velocity, maximum	2,128.0 N @ 216 km/h (478.4 lbf @ 216 km/h)
Wind Speed, maximum	216 km/h 134.216 mph

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

Width, packed	814 mm 32.047 in
Depth, packed	247 mm 9.724 in
Length, packed	1424 mm 56.063 in
Included	Mounting bracket
Net Weight, with mounting kit	26 kg 57.32 lb
Packaging quantity	1
Weight, gross	38 kg 83.776 lb
Weight, net	20 kg 44.092 lb

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant

