

# CMAX-DM30-CPUSEI53

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Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 698–960 MHz and 1710–2700 MHz, 30-Deg, 11 dBi

## OBSOLETE

This product was discontinued on: August 31, 2016

### Replaced By:

CMAX-DM30-CPUSEV53 Cell-Max™ Low PIM Directional High Capacity Venue MIMO Antenna, 698–960 MHz and 1710–2700 MHz, 30-Deg

## Product Classification

<b>Product Type</b>	Indoor/outdoor antenna
<b>Product Brand</b>	Cell-Max™

## General Specifications

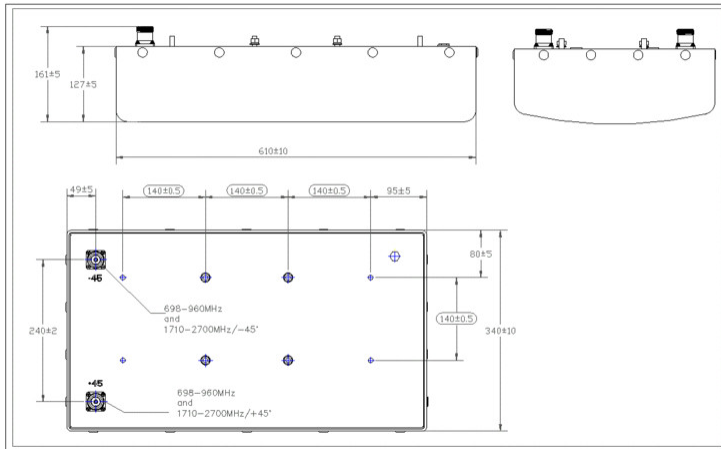
<b>Application</b>	Indoor/Outdoor
<b>Antenna Type</b>	Directional
<b>Polarization</b>	±45°
<b>Color</b>	White
<b>Number of Ports</b>	2
<b>Radome Material</b>	ABS, UV resistant
<b>RF Connector Interface</b>	7-16 DIN Female

## Dimensions

<b>Width</b>	340.4 mm   13.402 in
<b>Depth</b>	127 mm   5 in
<b>Length</b>	609.6 mm   24 in

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## Outline Drawing



## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Lightning Protection</b>	dc Ground

## Electrical Specifications

Frequency Band, MHz	698-800	800-960	1695-1880	1850-1990	1920-2180	2200-2700	2300-2360
<b>Gain, dBi</b>	10.7	11.2	10	10.6	11.1	11.1	11
<b>Beamwidth, Horizontal, degrees</b>	34	29	36	33	30	30	31
<b>Beamwidth, Vertical, degrees</b>	66	62	57	55	57	58	54
<b>Front-to-Back Total Power at 180° ± 30°, dB</b>	27	24	27	27	26	24	25
<b>CPR at Boresight, dB</b>	20	20	20	20	20	20	20
<b>Isolation, Cross Polarization, dB</b>	24	24	24	24	24	24	24
<b>VSWR   Return loss, dB</b>	1.8 10.9	1.8 10.9	1.7 11.7	1.7 11.7	1.7 11.7	1.7 11.7	1.7 11.7
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-153	-153	-153	-153	-153	-153	-153
<b>Input Power per Port, maximum, watts</b>	200	200	200	200	200	200	200

## Mechanical Specifications

<b>Wind Loading @ Velocity, maximum</b>	686.0 N @ 216 km/h (154.2 lbf @ 216 km/h)
<b>Wind Speed, maximum</b>	216 km/h   134.216 mph

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## Environmental Specifications

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

## Packaging and Weights

<b>Width, packed</b>	350 mm   13.78 in
<b>Depth, packed</b>	210 mm   8.268 in
<b>Length, packed</b>	890 mm   35.039 in
<b>Included</b>	Mounting bracket
<b>Packaging quantity</b>	1
<b>Weight, gross</b>	12.4 kg   27.337 lb
<b>Weight, net</b>	7 kg   15.432 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant

