



Andrew Solutions
CMAX-DM30-CPUSEi

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

Electrical Specifications

Frequency Band, MHz	698–960	1710–2200	2200–2700
Gain, dBi	11.0	10.0	10.0
Beamwidth, Horizontal, degrees	30	33	30
Beamwidth, Vertical, degrees	62.0	61.0	60.0
Front-to-Back Ratio at 180°, dB	24	24	24
CPR at Boresight, dB	20	20	20
Isolation, dB	26	26	26
VSWR Return Loss, dB	1.7:1 11.7	1.7:1 11.7	1.7:1 11.7
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150
Input Power per Port, maximum, watts	100	100	100
Polarization	±45°	±45°	±45°
Impedance	50 ohm	50 ohm	50 ohm
Lightning Protection	dc Ground	dc Ground	dc Ground

General Specifications

Antenna Type	Directional
Application	Indoor Outdoor
Brand	Cell-Max™
Includes	Mounting bracket
Number of Ports	2
Package Quantity	1

Mechanical Specifications

Color	Off-white
Connector Interface	7-16 DIN Female
Radome Material	Fiberglass, UV resistant
Wind Loading, maximum	686.0 N @ 216 km/h 154.2 lbf @ 216 km/h
Wind Speed, maximum	216.0 km/h 134.2 mph

Environmental Specifications

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

Dimensions

Depth	127.0 mm 5.0 in
Length	609.60 mm 24.00 in

Product Specifications

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Width	340.36 mm		13.40 in
Net Weight	6.58 kg		14.51 lb

Packed Dimensions

Depth	210.0 mm		8.3 in
Length	890.00 mm		35.04 in
Width	350.00 mm		13.78 in
Shipping Weight	12.50 kg		27.56 lb