



CMax-DM60-CPUSEi

Cell-Max™ Directional High Capacity Venue MIMO Antenna, 698–960 MHz and 1710–2700 MHz, 60°, 8 dBi

The Cell-Max™ DM60 provides consistent dual-polarized, narrow beamwidth over ultra wide frequency range needed for delivering high capacity required in stadiums, sports arenas, and other capacity hot spots.

The directional antenna is equipped with a user friendly click technology mounting bracket allowing flexible orientation and simple adjustment.

CommScope antennas ensure optimum capacity, minimum sector overlap, and ease of installation for any solution. The innovative mounting bracket provides an audio click for each 2.5 degree horizontal and 5 degree vertical adjustments allowing easy installation without the need for visual adjustment.

- Wideband to support future technologies
- Dual-polarized ($\pm 45^\circ$) supporting MIMO installations
- Excellent PIM performance
- Flexible coverage adjustment through smart mounting bracket
- Compact size
- Laser tool mount

CMAX-DM60-CPUSEi

Cell-Max™ Directional High Capacity Venue MIMO Antenna, 698–960 MHz and 1710–2700 MHz, 60°, 8.0 dBi

Electrical Specifications

Frequency Band, MHz	698–960	1710–2200	2200–2700
Gain, dBi	8.0	8.0	8.0
Beamwidth, Horizontal, degrees	60	58	60
Beamwidth, Vertical, degrees	61.0	60.0	63.0
Front-to-Back Ratio at 180°, dB	24	24	24
CPR at Boresight, dB	19	19	19
Isolation, dB	26	26	26
VSWR Return Loss, dB	1.9 10.1	1.8 10.9	1.9 10.1
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

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	ABS, UV resistant
Wind Loading, maximum	294.0 N @ 216 km/h 66.1 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	124.5 mm 4.9 in
Length	299.7 mm 11.8 in
Width	299.7 mm 11.8 in
Net Weight	2.8 kg 6.3 lb

Packed Dimensions

Depth	230.0 mm 9.1 in
Length	530.0 mm 20.9 in

Product Specifications

COMMSCOPE®

CMAXDM60-CPUSEi



Width 350.0 mm | 13.8 in
Shipping Weight 7.7 kg | 17.0 lb