

CELLMAX-D-431-0



Cell-Max™ Directional Outdoor Antenna, 698–n 960 MHz, 1710–2700 MHz

- This product is part of the CommScope Wired for Wireless® Solution

Product Classification

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

General Specifications

Antenna Type	Directional
Polarization	Vertical
Application	Outdoor
Color	White
Mounting	4-hole wall mounting plate and hardware (included)
Pigtail Cable	RG85U, plenum rated
Radome Material	ASA+PC, UV stabilized
RF Connector Interface	4.3-10 Female

Dimensions

Width	180 mm 7.087 in
Length	210 mm 8.268 in
Pigtail Length	260 mm 10.236 in
Depth	44 mm 1.732 in

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1710 – 2700 MHz 698 – 960 MHz

Electrical Specifications

Frequency Band, MHz	698–800	800–960	1710–2170	2200–2700
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Gain, dBi	5.1	5.8	8.7	6.9
Beamwidth, Horizontal, degrees	128	94	60	54
Beamwidth, Vertical, degrees	85	82	57	38
VSWR Return loss, dB	1.8 10.9	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-140	-140	-140	-140
Input Power per Port, maximum, watts	50	50	50	50

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

Packaging and Weights

Width, packed	190 mm 7.48 in
Depth, packed	55 mm 2.165 in
Length, packed	250 mm 9.843 in
Packaging quantity	1
Weight, gross	0.6 kg 1.323 lb
Weight, net	0.4 kg 0.882 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

