Cell-Max™ Directional In-building Antenna, 698–960 MHz, 1710–2700 MHz

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

**Product Classification**

**Product Type**  
In-building antenna

**Product Brand**  
Cell-Max™

**General Specifications**

**Application**  
Indoor

**Antenna Type**  
Directional

**Antenna Array Characteristic**  
SISO

**Polarization**  
Vertical

**Color**  
White (RAL 9016)

**Mounting**  
4-hole wall mounting plate and hardware (included)

**Number of Ports**  
1

**Pigtail Cable**  
RG85U, plenum rated

**Radome Material**  
ABS

**RF Connector Interface**  
N Female

**Dimensions**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Width</th>
<th>Depth</th>
<th>Length</th>
<th>Pigtail Length</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>180 mm</td>
<td>44 mm</td>
<td>210 mm</td>
<td>260 mm</td>
</tr>
<tr>
<td></td>
<td>7.087 in</td>
<td>1.732 in</td>
<td>8.268 in</td>
<td>10.236 in</td>
</tr>
</tbody>
</table>
Electrical Specifications

**Impedance**
50 ohm

**Operating Frequency Band**
1710 – 2700 MHz  |  698 – 960 MHz

**Electrical Note**
Values typical, unless otherwise stated

<table>
<thead>
<tr>
<th>Frequency Band, MHz</th>
<th>698–800</th>
<th>800–960</th>
<th>1710–2170</th>
<th>2200–2700</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Gain, dBi</strong></td>
<td>5.1</td>
<td>5.8</td>
<td>8.7</td>
<td>6.9</td>
</tr>
<tr>
<td><strong>Beamwidth, Horizontal, degrees</strong></td>
<td>128</td>
<td>94</td>
<td>60</td>
<td>54</td>
</tr>
<tr>
<td><strong>Beamwidth, Vertical, degrees</strong></td>
<td>85</td>
<td>82</td>
<td>57</td>
<td>38</td>
</tr>
<tr>
<td>**VSWR</td>
<td>Return loss, dB**</td>
<td>1.8</td>
<td>1.5</td>
<td>1.5</td>
</tr>
<tr>
<td><strong>Input Power per Port, maximum, watts</strong></td>
<td>50</td>
<td>50</td>
<td>50</td>
<td>50</td>
</tr>
</tbody>
</table>

Environmental Specifications

**Operating Temperature**
-40 °C to +60 °C (-40 °F to +140 °F)

**Relative Humidity**
Up to 100%

Packaging and Weights

**Width, packed**
190 mm  |  7.48 in
CELLMAX-D-CPUSE

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

<table>
<thead>
<tr>
<th>Agency</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHINA-ROHS</td>
<td>Below maximum concentration value</td>
</tr>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
</tr>
<tr>
<td>REACH-SVHC</td>
<td>Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a></td>
</tr>
<tr>
<td>ROHS</td>
<td>Compliant</td>
</tr>
<tr>
<td>UK-ROHS</td>
<td>Compliant</td>
</tr>
</tbody>
</table>

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