

# CMAX-DM30-CPUSEi

**This specification is OBSOLETE**



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       | 11.0       | 11.0       |
| 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, Cross Polarization, dB    | 26         | 26         | 26         |
| VSWR   Return Loss, dB               | 1.9   10.1 | 1.9   10.1 | 1.8   10.9 |
| 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     |

## Product Classification

|              |                     |
|--------------|---------------------|
| Brand        | Cell-Max™           |
| Product Type | In-building antenna |

## General Specifications

|                            |                  |
|----------------------------|------------------|
| Antenna Type               | Directional      |
| Application                | Indoor   Outdoor |
| Includes                   | Mounting bracket |
| Number of Ports, all types | 2                |
| Package Quantity           | 1                |

## Mechanical Specifications

|                        |   |
|------------------------|---|
| Color                  | Off-white                                 |
| Radome Material        | ABS, UV resistant                         |
| RF Connector Interface | 7-16 DIN Female                           |
| Wind Loading, maximum  | 686.0 N @ 216 km/h   154.2 lbf @ 216 km/h |
| Wind Speed, maximum    | 216 km/h   134 mph                        |

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## Environmental Specifications

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

## Dimensions

|                   |                    |
|-------------------|--------------------|
| <b>Depth</b>      | 127.0 mm   5.0 in  |
| <b>Length</b>     | 609.6 mm   24.0 in |
| <b>Width</b>      | 340.4 mm   13.4 in |
| <b>Net Weight</b> | 6.6 kg   14.5 lb   |

## Packed Dimensions

|                        |                    |
|------------------------|--------------------|
| <b>Depth</b>           | 210.0 mm   8.3 in  |
| <b>Length</b>          | 890.0 mm   35.0 in |
| <b>Width</b>           | 350.0 mm   13.8 in |
| <b>Shipping Weight</b> | 12.5 kg   27.6 lb  |



RoHS 2011/65/EU

