

# CMAX-OMF3-UWI53

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Cell-Max™ Low PIM Omni MIMO In-building Antenna, 1695–2700, 3300–4200, 4900–6000 MHz

## Product Classification

|                      |                     |
|----------------------|---------------------|
| <b>Product Type</b>  | In-building antenna |
| <b>Product Brand</b> | Cell-Max™           |

## General Specifications

|                                     |                                                                                                |
|-------------------------------------|------------------------------------------------------------------------------------------------|
| <b>Application</b>                  | Indoor                                                                                         |
| <b>Antenna Type</b>                 | Omni                                                                                           |
| <b>Antenna Array Characteristic</b> | MIMO 2x2                                                                                       |
| <b>Polarization</b>                 | Horizontal   Vertical                                                                          |
| <b>Color</b>                        | White (RAL 9016)                                                                               |
| <b>Mounting</b>                     | Thru-hole ceiling mount (optional)                                                             |
| <b>Mounting Note</b>                | For antenna installation on metal ceilings, please contact your local CommScope representative |
| <b>Number of Ports</b>              | 2                                                                                              |
| <b>Pigtail Cable</b>                | 670-141SXE, plenum rated                                                                       |
| <b>Radome Material</b>              | ABS                                                                                            |
| <b>RF Connector Interface</b>       | N Female                                                                                       |

## Dimensions

|                       |                    |
|-----------------------|--------------------|
| <b>Height</b>         | 108 mm   4.252 in  |
| <b>Pigtail Length</b> | 500 mm   19.685 in |
| <b>Outer Diameter</b> | 176 mm   6.929 in  |

## Electrical Specifications

|                                 |                                                     |
|---------------------------------|-----------------------------------------------------|
| <b>Impedance</b>                | 50 ohm                                              |
| <b>Operating Frequency Band</b> | 1695 – 2700 MHz   3300 – 4200 MHz   4900 – 6000 MHz |

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## Electrical Specifications

| Frequency Band, MHz                  | 1695–2700 | 3300–4200 | 4900–6000 |
|--------------------------------------|-----------|-----------|-----------|
| Gain, dBi                            | 3         | 4         | 5         |
| Beamwidth, Horizontal, degrees       | 360       | 360       | 360       |
| Isolation, Cross Polarization, dB    | 23        | 28        | 28        |
| VSWR   Return loss, dB               | 1.8 10.9  | 1.7 11.7  | 1.7 11.7  |
| PIM, 3rd Order, 2 x 20 W, dBc        | -153      | -153      |           |
| Input Power per Port, maximum, watts | 50        | 50        | 50        |

## Environmental Specifications

|                       |                                      |
|-----------------------|--------------------------------------|
| Operating Temperature | -40 °C to +60 °C (-40 °F to +140 °F) |
| Relative Humidity     | Up to 100%                           |

## Packaging and Weights

|                |                   |
|----------------|-------------------|
| Width, packed  | 175 mm   6.89 in  |
| Depth, packed  | 190 mm   7.48 in  |
| Length, packed | 175 mm   6.89 in  |
| Weight, gross  | 0.6 kg   1.323 lb |
| Weight, net    | 0.5 kg   1.102 lb |

## Regulatory Compliance/Certifications

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

