



# Multi-Band Omni Antenna

IOS-600-4200B

## SPECIFICATIONS

### Electrical

Ports	1 X Ports for 600-4200 MHz				
Frequency Range	600-617 MHz	617-806 MHz	806-960 MHz	1695-2700 MHz	3300-4200 MHz
Gain (Average)	1.3 dBi	2.0 dBi	2.0 dBi	5.0 dBi	5.5 dBi
Azimuth Beamwidth (-3 dB)	360°	360°	360°	360°	360°
Elevation Beamwidth (-3 dB)	97°	85°	80°	54°	28°
Voltage Standing Wave Ratio (VSWR)	< 2.3:1	< 2.0:1	< 1.8:1	< 1.5:1	< 1.5:1
Passive Intermodulation (2x20W)	≤ -153 dBc	≤ -153 dBc	≤ -153 dBc	≤ -153 dBc	≤ -153 dBc
Input Power Continuous Wave (CW)	50 watts	50 watts	50 watts	50 watts	50 watts
Polarization	V Pol	V Pol	V Pol	V Pol	V Pol
Input Impedance	50 Ohms	50 Ohms	50 Ohms	50 Ohms	50 Ohms
Lightning Protection	DC Ground	DC Ground	DC Ground	DC Ground	DC Ground

### Mechanical

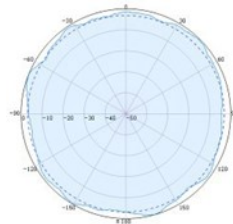
Isometric View



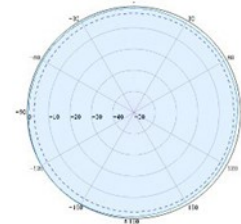
Dimensions (LxD)	7.3 × 3.4 inches (186 × 86 mm)
Equivalent Flat Plate Area	0.3 ft <sup>2</sup> (0.03 m <sup>2</sup> )
Weight*	0.6 lbs (250 g)
Connector (RF)	1 × 4.3-10 Female
Mounting	Ceiling
Radome Color	White

\*Does not include weight of Mounting Kit

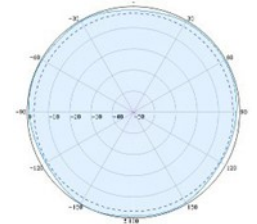
### Typical Antenna Patterns



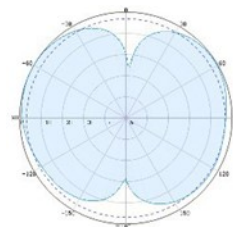
Azimuth 610 MHz



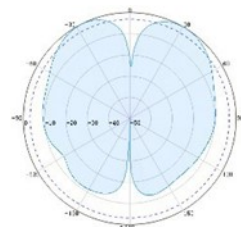
Azimuth 2170 MHz



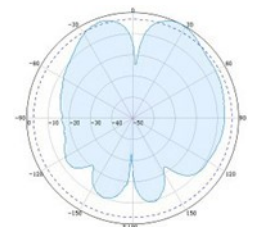
Azimuth 3800 MHz



Elevation 610 MHz



Elevation 2170 MHz



Elevation 3800 MHz