



Multi-Band Omni Antenna

IOS-600-4200A

SPECIFICATIONS

Electrical

Ports	1 X Ports for 600-4200 MHz				
Frequency Range	600-617 MHz	617-960 MHz	1695-2170 MHz	2170-2700 MHz	3300-4200 MHz
Gain (Average)	2.0 dBi	2.5 dBi	4.0 dBi	5.0 dBi	4.0 dBi
Azimuth Beamwidth (-3 dB)	360°	360°	360°	360°	360°
Elevation Beamwidth (-3 dB)	120°	116°	78°	70°	65°
Voltage Standing Wave Ratio (VSWR)	< 2.3:1	< 2.0:1	< 1.8:1	< 1.8:1	< 1.8:1
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	H Pol	H Pol	H Pol	H Pol	H 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

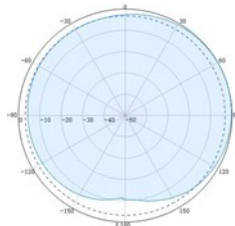
Isometric View



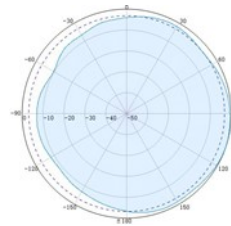
Dimensions (LxD)	7.5 × 0.3 inches (190 × 7 mm)
Equivalent Flat Plate Area	0.2 ft ² (0.02 m ²)
Weight*	0.6 lbs (250 g)
Connector (RF)	1 × 4.3-10 Female
Mounting	Ceiling
Radome Color	White

*Does not include weight of Mounting Kit

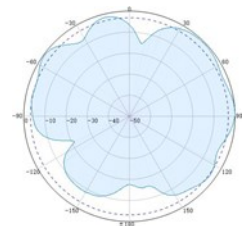
Typical Antenna Patterns



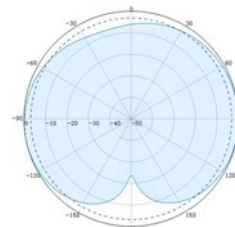
Azimuth 610 MHz



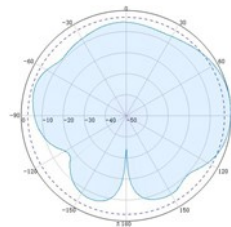
Azimuth 2170 MHz



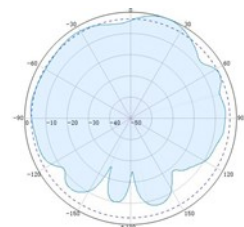
Azimuth 3800 MHz



Elevation 610 MHz



Elevation 2170 MHz



Elevation 3800 MHz