



Multi-Band Omni Antenna

IOM-600-4200A

SPECIFICATIONS

Electrical

| Ports | 2 X Ports for 600-4200 MHz | | | | |
|------------------------------------|----------------------------|-------------|---------------|---------------|---------------|
| Frequency Range | 600-617 MHz | 617-960 MHz | 1695-2170 MHz | 2300-2700 MHz | 3300-4200 MHz |
| Gain (Average) | 2.5 dBi | 3.0 dBi | 4.0 dBi | 6.0 dBi | 5.5 dBi |
| Azimuth Beamwidth (-3 dB) | 360° | 360° | 360° | 360° | 360° |
| Elevation Beamwidth (-3 dB) | 118° | 113° | 78° | 65° | 102° |
| Port to Port Isolation | > 19 dB | > 20 dB | > 23 dB | > 23 dB | > 23 dB |
| Voltage Standing Wave Ratio (VSWR) | < 2.5:1 | < 2.0:1 | < 2.0:1 | < 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

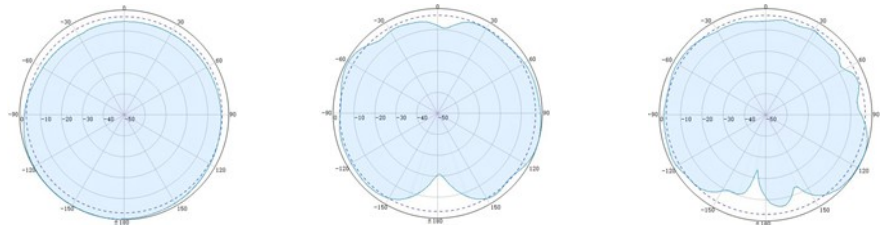
Front Isometric View



| | |
|----------------------------|--|
| Dimensions (LxD) | 9.8 × 5.9 × 0.5 inches (250 × 150 × 12 mm) |
| Equivalent Flat Plate Area | 0.5 ft ² (0.05 m ²) |
| Weight* | 0.9 lbs (400 g) |
| Connector (RF) | 2 × 4.3-10 Female |
| Mounting | Ceiling |
| Radome Color | White |

*Does not include weight of Mounting Kit

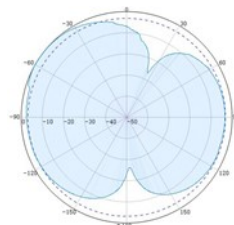
Typical Antenna Patterns



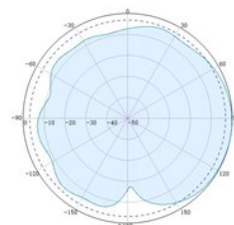
Azimuth 610 MHz

Azimuth 2170 MHz

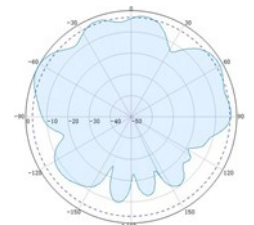
Azimuth 3800 MHz



Elevation 610 MHz



Elevation 2170 MHz



Elevation 3800 MHz