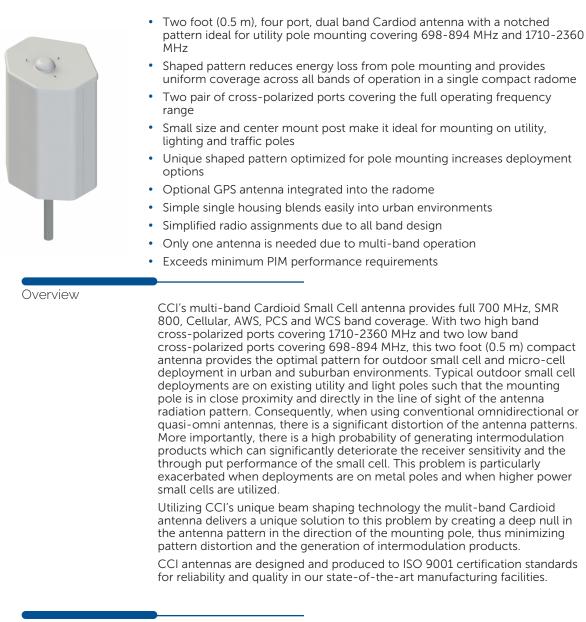


Dual Band Cardioid Antenna

SCA-CA-360F-BU-H2

DATA SHEET



Applications

- Microcells and Small Cells in Urban, Suburban and other visually sensitive environments
- Outdoor Distributed Antenna Systems (ODAS), neutral host in venues, campuses and other outdoor coverage applications

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Dual Band Cardioid Antenna

SCA-CA-360F-BU-H2

SPECIFICATIONS

Electrical						
Ports	2 × Ports which cover the full range from 698-894 MHz		2 × Ports which cover the full range from 1710-2360 MHz			
Frequency Range	698-746 MHz	824-894 MHz	1850-1990 MHz	1710-1755/21	10-2150 MHz	2305-2360 MHz
Gain	6.7 dBi	6.6 dBi	10.4 dBi	10.2 dBi	10.8 dBi	11.0 dBi
Cardioid Null depth	26.0 dB	22.0 dB	25.0 dB	25.0 dB	25.0 dB	20.0 dB
Elevation Beamwidth (-3dB)	38.5°	33.5°	15.5°	17.0°	13.2°	12.6°
Electrical Downtilt	4°	4°	2°	2°	2°	2°
First upper sidelobes at peak gain	< -12 dB	< -11 dB	< -16 dB	< -16 dB	< -18 dB	< -18 dB
Cross-Polar Port-to-Port Isolation	> 20 dB	> 20 dB	> 25 dB	> 25 dB	> 25 dB	> 25 dB
Interband Isolation	> 25 dB	> 25 dB	> 25 dB	> 25 dB	> 25 dB	> 20 dB
Voltage Standing Wave Ratio(VSWR)	< 1.5:1	< 1.5:1	< 1.5:1	< 1.5:1	< 1.5:1	< 1.5:1
Passive Intermodulation (2×20W)	≤ -150 dBc	≤ -150 dBc	≤ -150 dBc	≤ -150 dBc	≤ -150 dBc	≤ -150 dBc
Input Power Continuous Wave (CW)	300 watts	300 watts	200 watts	200 watts	200 watts	200 watts
Polarization	Dual Linear 45°	Dual Linearl 45°	Dual Linear 45°	Dual Linear 45°	Dual Linear 45	° Dual Linear 45°
Input Impedance	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms	50 ohms
Lightning Protection	DC Ground	DC Ground	DC Ground	DC Ground	DC Ground	DC Ground

Mechanical	
Dimensions (L×W×D)	21.5 × 15.4 × 13.5 in (546 × 392 × 342 mm)
Survival Wind Speed	> 150 mph (> 241 kph)
Front Wind Load	71 lbs (315 N) @ 100 mph (161 kph)
Side Wind Load	62 lbs (275 N) @ 100 mph (161 kph)
Equivalent Flat Plate Area	2.8 ft ² (0.3 m ²)
Weight *	14.3 lbs (6.5 kg)
Connector (RF)	4 × 4.3-10 female
Connector (GPS)(if equipped)	1 × 4.3-10 female
Mounting Pole	2 to 5.0 in (5 to 12 cm)

* Weight excludes mounting

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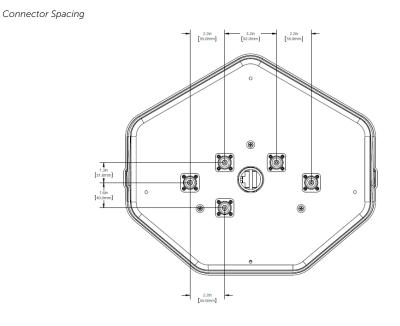


SPECIFICATIONS

Dual Band Cardioid Antenna

SCA-CA-360F-BU-H2

Mechanical



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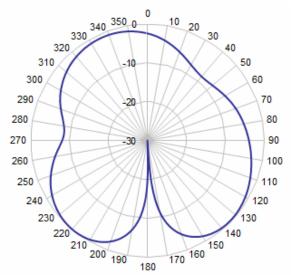
Dual Band Cardioid Antenna

SCA-CA-360F-BU-H2

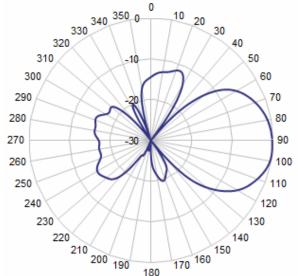
SPECIFICATIONS

Typical Antenna Patterns

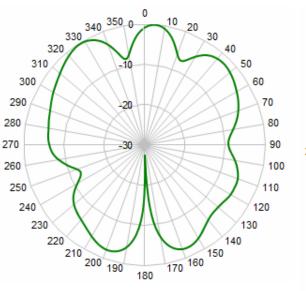
For detailed information on additional antenna patterns, contact customer support at support@cciproducts.com

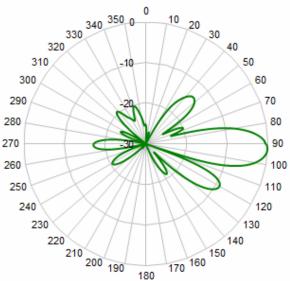


731 MHz Azimuth



731 MHz Azimuth Elevation 4°





1910 MHz Azimuth

1910 MHz Azimuth Elevation 2°

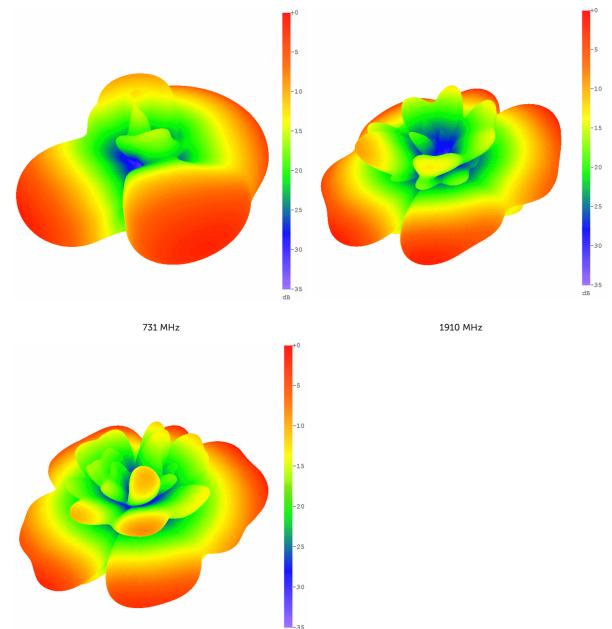


SPECIFICATIONS

Dual Band Cardioid Antenna

SCA-CA-360F-BU-H2





dB

2350 MHz

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ORDERING

Dual Band Cardioid Antenna

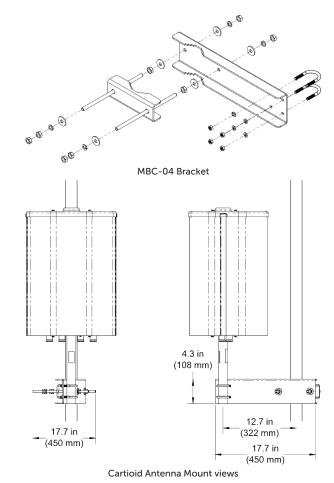
SCA-CA-360F-BU-H2

Parts & Accessories	
SCA-CA-360F-BU-H2	Two foot (0.5 m) antenna Cardioid Omni, Dual-band
SCA-CA-360F-BU-H2-K	Two foot (0.5 m) antenna Cardioid Omni, Dual-band and MBC-04 clamp kit(suitable for pole or wall mounting)
SCA-CA-360F-BU-H2G-K	Two foot (0.5 m) antenna Cardioid Omni, Dual-band with internal GPS receiver and MBC-04 clamp kit(suitable for pole or wall mounting)
MBC-04	Mast bracket clamp kit, Pipe range 2 - 5 in. (5 to 12 cm)

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ACCESSORIES	Mast Bra	MBC-04	
noolooonilo	Mechanical		
	Weight	8.4 lbs (3.8 kg)	
	Mounting Pole Dimension	2 to 5 in (5 to 12 cm)	
	Fastener Size	M10	
	Installation Torque	15 ft-lbs (20 Nm)	



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STANDARDS & CERTIFICATIONS

tenna

Dual Band Cardioid Antenna

SCA-CA-360F-BU-H2

Standards & Compliance

Environmental IEC 60068-2-1, IEC 60068-2-2, IEC 60068-2-5, IEC 60068-2-6, IEC-60068-2-11, IEC 60068-2-14, IEC 60068-2-18, IEC 60068-2-27, IEC 60068-2-29, IEC 60068-02-30, IEC 60068-2-52, IEC 60068-2-64, GR-63-CORE 4.3.1, EN 606529, IP 24

Certifications

Federal Communication Commission (FCC) Part 15 Class B, CE, CSA US, ISO 9001



