

X7CAP-865

X-Pol Dual Band Antenna, 698-896/1710-2170 MHz,
(96", 65° H-Beam)

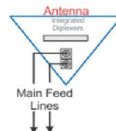
- Macro Cell High Gain Antenna
- Broadband Radiators
- Highly Reliable Fixed Tilt Design
- Suitable for LTE/CDMA/UMTS/GSM
- Mechanical Tilt Bracket Included



Available with Integrated Diplexers

Reduces mainline cables

Eliminates external tower devices



ELECTRICAL SPECIFICATIONS

Frequency Band, MHz	698-824	824-896	1710-1880	1850-1990	1920-2170
Horizontal Beam Width, 3dB points	65°		65°		
Gain, dBi	16.9	17.5	19.1	19.4	19.7
Vertical Beam Width, 3dB points	7.5°		4.0°		
Front-to-Back at 180°, dB	>27		>27		
Upper Side Lobe Suppression, Typical, dB	<-18		<-18		
Polarization	+/-45°		+/-45°		
Electrical Down Tilt, Fixed	0, 2, 4, 6, 8, 10°		0, 2, 4, 6°		
VSWR/Return Loss, dB, Maximum	1.5:1/-14.0		1.5:1/-14.0		
Isolation Between Ports, dB, Minimum	28		28		
Intermodulation (2x20w), IM3, dBc, Maximum	-150		-150		
Impedance, ohms	50		50		
Maximum Power Per Connector, CW	500 @ 800 MHz		250 @ 1900 MHz		

MECHANICAL SPECIFICATIONS

Dimensions, Length/Width/Depth	96.0/12.5/7.1 in. (2438/372/226mm)
Connector (Quantity)	(2 or 4) 7-16 DIN Female
Connector Torque	220-265 lbf-in (23-30 N-m)
Connector Location	Back or Bottom
Antenna Weight	56.0 lbs (25.4 kg) <i>Note: Weight varies slightly based on ordering options</i>
Bracket Weight	18.2 lb. (8.3 kg)
Standard Bracket Kit	CSS P/N 919032 (Included)
Mechanical Down Tilt Range	0-6°
Radome Material	High Strength Luran, UV Stabilized, ASTM D1925
Wind Survival	150 mph (241 km/h)
Front Wind Load	241.6 lbf (1074.7 N) @100mph
Equivalent Flat Plate	4.81 sq-ft (c=2) @ 100mph

ORDER INFORMATION

MODEL	DESCRIPTION
X7CAP-865- xy	X-Pol dual band antenna with four back DIN connectors
X7CAP-865- xy -IP	X-Pol dual band antenna with two back DIN connectors with integrated diplexers
X7CAP-865- xy -B	X-Pol dual band antenna with four bottom DIN connectors
X7CAP-865- xy -IP-B	X-Pol dual band antenna with two bottom DIN connectors with integrated diplexers
919049	Optional Bracket Kit, 3-Point, 6deg D-tilt, For 4.5" OD Pole

x defines the low band electrical tilt

y defines the high band electrical tilt