

65°

25.0 in

FIXED TILT

2C4U4VX065X06Fwxys4

Features

- Unique high port count panel antenna for 4G/5G small cell applications
- 20 total connectors to service the 696-960, 1695-2700 and 3300-4200 MHz bands
- Ideal for multi-carrier or 4x4 MIMO deployments
- Fixed tilt options



	Frequency Range (MHz)	(2x) 696-960	(4x) 1695-2700	(4x) 3300-4200				
	Array	■ R1, ■ R2	■ Y1, ■ Y2, ■ Y3, ■ Y4	■ P1, ■ P2, ■ P3, ■ P4				
	Connector	4 PORTS	8 PORTS	8 PORTS				
>	Polarization	XPOL	XPOL	XPOL				
/ERVIEW	Azimuth Beamwidth (avg)	65°	65°	65°				
l er	Electrical Downtilt	0°	2°, 4°, 6°	0°				
	Maximum Continuous Power Per Port @ 50° C (122° F)	500 WATTS	300 WATTS	100 WATTS				
Ř	Maximum Total Continuous Power at 50° C (122° F)	5200 WATTS						
품	Total Connector Count	20 PORTS						
	Connector Type	4.3-10 FEMALE						
	Dimensions	635 x 344 x 246 mm (25.0 x 13.5 x 9.7)						
	Radome Color Options	GREY						

ELECTRICAL SPECIFICATIONS



Frequency Range		MHz	(2x) 696-960				
Frequency Sub	o-Range	MHz	696-806	806-960			
Polarization			(2x) ±45°				
	BASTA	dBi	7.8 ± 0.9	7.4 ± 1.2			
Gain	MAX	dBi	8.7	8.6			
Azimuth Beamwidth (3 dB)		degrees	85.3° ± 7.3°	78.6° ± 16.3°			
Elevation Beamwidth (3 dB)		degrees	71.6° ± 18.7°	70.0° ± 19.7°			
Electrical Downtilt		degrees	(w) 0°				
Impedance		Ohms	50Ω				
VSWR			≤ 1.5:1				
Passive Intermodulation 3rd Order for 2x20 W Carriers		dBc	< -153				
Upper Sidelobe Suppression		dB	N/A				
la a lasti a la	Intraband	dB	>	25			
Isolation	Interband	dB	> 28 same band; >	> 30 different bands			



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ELECTRIC	CAL SPECIFICATIONS	;		■ Y1 ■ Y2	■ Y3 ■ Y4			
Frequency	Range	MHz	(4x) 1695-2700					
Frequency Sub-Range		MHz	1695-1880 1850-1990		1920-2200	2300-2700		
Polarization				(4x)	±45°	l.		
.	BASTA	dBi	11.3 ± 0.5	11.7 ± 0.7	11.6 ± 0.8	11.8 ± 0.8		
Gain	MAX	dBi	11.8	12.4	12.4	12.6		
Azimuth Beamwidth (3 dB)		degrees	74.4° ± 10.0°	74.9° ± 8.0°	66.2° ± 15.0°	54.8° ± 8.5°		
Elevation B	eamwidth (3 dB)	degrees	34.3° ± 3.3° 33.0° ± 3.3° 32.2° ± 3.8°		26.5° ± 3.8°			
Electrical D	owntilt	degrees	(x) 2°, 4°, 6°					
mpedance		Ohms	50Ω					
VSWR			≤ 1.5:1					
Passive Intermodulation 3rd Order for 2x20 W Carriers		dBc	< -153					
Upper Sidelobe Suppression		dB	N/A					
la alarta a	Intraband	dB	> 25					
Isolation	Interband	dB	> 28 same band; > 30 different bands					

ELECTRIC	AL SPECIFICATIONS	5		■ P1 ■ P2 ■ P3 ■ P4				
Frequency F	Range	MHz	(4x) 3300-4200					
Frequency Sub-Range		MHz	3300-3550 3550-3700		3700-4200			
Polarization			(4x) ±45°					
C-i-	BASTA	dBi	10.3 ± 0.7 10.9 ± 0.7		10.7 ± 0.9			
Gain	MAX	dBi	11.0	11.6	11.6			
Azimuth Beamwidth (3 dB)		degrees	59.2° ± 12.9° 56.8° ± 17.0°		74.7° ± 18.6°			
Elevation Beamwidth (3 dB)		degrees	33.2° ± 4.4° 29.2° ± 2.9°		29.4° ± 4.7°			
Electrical Downtilt		degrees	(y) 0°					
Impedance		Ohms	50Ω					
VSWR			≤ 1.5:1					
Passive Intermodulation 3rd Order for 2x20 W Carriers		dBc	-153					
Upper Sidelobe Suppression dB		dB	N/A					
laalation	Intraband	dB	> 22	> 22	> 25			
Isolation	Interband	dB	> 28 same band; > 30 different bands					



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MECHANICAL SPECIFICATIONS

a	Length		mm (in)	635 (25.0)
Antenna	Width		mm (in)	344 (13.5)
₹	Depth		mm (in)	246 (9.7)
Net W	Net Weight - Antenna Only		kg (lbs)	5.7 (13)
Calculation			km/h (mph)	160 (100)
Windle	pad	Frontal		262 (59)
		Side	N (lbf)	107 (24)
Surviva	Survival Wind Speed		km/h (mph)	241 (150)
Wind	Wind Area		m² (ft²)	0.21 (2.3)
	Туре			4.3-10 Female
Conne	ector	Quantity		20
		Position		Bottom
Radome Color			Grey	
Opera	Operating Temperature		degrees	-40 to +60 C (-40 to +140 F)
Lightn	ing Protection (Ground	ding Type)		Direct Ground

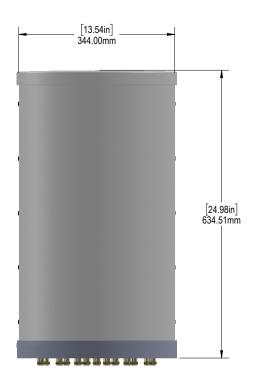


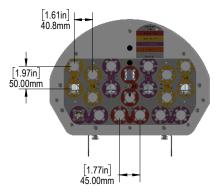
65°

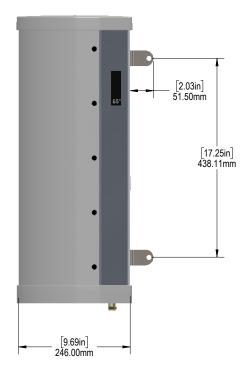
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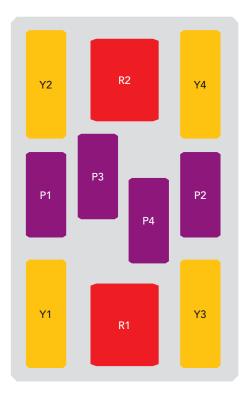
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ARRAY LAYOUT Topology

ARRAI LATOOT Topology								
FREQUENCY	ARRAY	CONNECTOR	CONNECTOR TYPE					
696-960 MHz	■ R1	1-2	(2x) 4.3-10 Female					
696-960 MHz	■ R2	3-4	(2x) 4.3-10 Female					
1695-2700 MHz	■ Y1	5-6	(2x) 4.3-10 Female					
1695-2700 MHz	■ Y2	7-8	(2x) 4.3-10 Female					
1695-2700 MHz	■ Y3	9-10	(2x) 4.3-10 Female					
1695-2700 MHz	■ Y4	11-12	(2x) 4.3-10 Female					
3300-4200 MHz	■ P1	13-14	(2x) 4.3-10 Female					
3300-4200 MHz	■ P2	15-16	(2x) 4.3-10 Female					
3300-4200 MHz	■ P3	17-18	(2x) 4.3-10 Female					
3300-4200 MHz	■ P4	19-20	(2x) 4.3-10 Female					



The illustration is not shown to scale.



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CONNECTOR VIEW - LABELING



INSTALLATION Please read all installation notes before installing this product.



Always attach the antenna using all mounting points.

Do not install the antenna with the connectors facing upwards.



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MOUNTING KITS Select from the following mounting options when ordering.

MODEL NUMBER	DESCRIPTION	FITS PIPE DIAMETER	WEIGHT
MKS09P01	2-POINT MOUNTING BRACKET KIT	50-115 mm (2.0-4.5 in)	2.9 kg (6 lbs)
MKS09T01	2-POINT, SCISSOR TILT, MOUNTING & DOWNTILT BRACKET KIT	50-115 mm (2.0-4.5 in)	4.5 kg (10 lbs)



The antennas shown in the mounting kit illustrations above are generic representations and may not resemble the antenna described within this data sheet.



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HOW TO READ THE MODEL NUMBER Each letter and number has meaning.

NUMBER OF BA		PATTERN TYPE	AZIMUTH BMWDTH	POLARIZA- TION	LENGTH	TILT TYPE	TILT OPTIONS	CONNECTOR TYPE	VARIATION	ORDERING OPTION
2C 4U	4V	Х	065	Х	06	F	wxy	S	4	-P -T
(2x) (4x) 696- 1695- 960 2700	(4x) 3300- 4200	Standard Panel Antenna	65°	XPOL	0.6 meters	Fixed Tilt	These letters are placeholders for fixed tilt options. Refer to Electrical Specifications for available tilt options.	4.3-10 Connector	4th generation mechanical package	To order the antenna and mounting kit together as one line item, add a -P for the 2-POINT MOUNTING BRACKET KIT (MKS09P01) or a -T for the 2-POINT, SCISSOR TILT, MOUNTING & DOWNTILT BRACKET KIT (MKS09T01) to the end of the model number. If -P or -T is not added, the bracket kit can be added as a separate line item, or the antenna shipped without a bracket. Refer to the ordering options on the following page for further detail.



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ORDERING OPTIONS Select from the following ordering options

SELECT MOUNTING KIT	SELECT DEGREE	OF ELECTRICAL DOWNTILT F	ORDER		
SELECT MOUNTING KIT	696-960 MHz	1695-2700 MHz	3300-4200 MHz	MODEL NUMBER	
ANTENNA ONLY -	O°	2°	0°	2C4U4VX065X06F020s4	
NO MOUNTING KIT	O°	4°	0°	2C4U4VX065X06F040s4	
	O°	6°	0°	2C4U4VX065X06F060s4	
	O°	Y1 & Y2 = 2°; Y3 & Y4 = 4°	0°	2C4U4VX065X06FAAAs4	
	O°	Y1 & Y2 = 2°; Y3 & Y4 = 6°	0°	2C4U4VX065X06FBBBs4	
	0°	Y1 & Y2 = 4°; Y3 & Y4 = 6°	0°	2C4U4VX065X06FCCCs4	
ANTENNA WITH MKS09P01	O°	2°	0°	2C4U4VX065X06F020s4-P	
MOUNTING KIT	0°	4°	0°	2C4U4VX065X06F040s4-P	
2-Point Mounting Bracket Kit	0°	6°	0°	2C4U4VX065X06F060s4-P	
	0°	Y1 & Y2 = 2°;Y3 & Y4 = 4°	0°	2C4U4VX065X06FAAAs4-P	
	0°	Y1 & Y2 = 2°;Y3 & Y4 = 6°	0°	2C4U4VX065X06FBBBs4-P	
	0°	Y1 & Y2 = 4°;Y3 & Y4 = 6°	0°	2C4U4VX065X06FCCCs4-P	
ANTENNA WITH MKS09T01	0°	2°	0°	2C4U4VX065X06F020s4-T	
MOUNTING KIT	0°	4°	0°	2C4U4VX065X06F040s4-T	
2-Point, Scissor Tilt, Mounting & Downtilt Bracket Kit	0°	6°	0°	2C4U4VX065X06F060s4-T	
	0°	Y1 & Y2 = 2°;Y3 & Y4 = 4°	0°	2C4U4VX065X06FAAAs4-T	
	0°	Y1 & Y2 = 2°; Y3 & Y4 = 6°	0°	2C4U4VX065X06FBBBs4-T	
	O°	Y1 & Y2 = 4°; Y3 & Y4 = 6°	0°	2C4U4VX065X06FCCCs4-T	





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750 MHz

850 MHz

FIXED TILT

2C4U4VX065X06Fwxys4

