

## 2C4U3MX065X06FwxyS0



### Features

- Fixed tilt panel antenna with 18 connectors
- Ultra-wide band performance
- Ideal solution for Small Cell applications
- This antenna meets the requirements of the U-NII

PRODUCT OVERVIEW	Frequency Range (MHz)	LOW		MID				CBRS		LAA
		696-960	696-960	1695-2700	1695-2700	1695-2700	1695-2700	3550-3700	3550-3700	5150-5925
	Array	■ R1	■ R2	■ Y1	■ Y2	■ Y3	■ Y4	■ P1	■ P2	■ O1
	Connector	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18
	Polarization	XPOL	XPOL	XPOL	XPOL	XPOL	XPOL	XPOL	XPOL	XPOL
	Electrical Downtilt	0°		2°, 4°, 6°				0°		0°
	Azimuth Beamwidth	65°								
	Total Connector Count	18 PORTS								
	Connector Type	4.3-10 FEMALE								
	Dimensions	633 x 343 x 246 mm (24.9 x 13.5 x 9.7)								

### ELECTRICAL SPECIFICATIONS Low Band

■ R1 ■ R2

Frequency Range	MHz	(2x) 696-960	
Frequency Sub-Range	MHz	696-806	806-960
Polarization	---	(2x) ±45°	
Gain	BASTA	dBi	7.8 ± 0.6
	MAX	dBi	8.4
Azimuth Beamwidth (3 dB)	degrees	85.4° ± 9.1°	81.8° ± 16.3°
Elevation Beamwidth (3 dB)	degrees	70.8° ± 12.9°	65.9° ± 16.2°
Electrical Downtilt	degrees	(w) 0°	
Impedance	Ohms	50	
VSWR	---	≤ 1.5:1	
Passive Intermodulation 3rd Order for 2x20 W Carriers	dBc	< -153	
Upper Sidelobe Suppression	dB	N/A	
Maximum Power Per Port	Watts	(4x) 500	
Isolation	Intraband	dB	> 25
	Interband	dB	> 28

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## 2C4U3MX065X06Fwxys0

### ELECTRICAL SPECIFICATIONS Mid Band

■ 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°				
Gain	BASTA	dBi	10.9 ± 0.5	10.7 ± 0.6	10.9 ± 0.8	11.6 ± 1.0
	MAX	dBi	11.4	11.3	11.7	12.6
Azimuth Beamwidth (3 dB)	degrees	72.9° ± 10.3°	75.4° ± 6.1°	71.1° ± 10.9°	58.9° ± 13.7°	
Elevation Beamwidth (3 dB)	degrees	37.4° ± 4.2°	35.3° ± 3.8°	33.0° ± 4.5°	27.9° ± 4.2°	
Electrical Downtilt	degrees	(x) 2°, 4°, 6°				
Impedance	Ohms	50				
VSWR	---	≤ 1.5:1				
Passive Intermodulation 3rd Order for 2x20 W Carriers	dBc	< -153				
Upper Sidelobe Suppression	dB	N/A				
Maximum Power Per Port	Watts	(8x) 300 W				
Isolation	Intraband	dB	> 25	> 25	> 25	> 25
	Interband	dB	> 28	> 28	> 28	> 28

### ELECTRICAL SPECIFICATIONS CBRS Band

■ P1 ■ P2

Frequency Range	MHz	(2x) 3550-3700	
Polarization	---	(2x) ±45°	
Gain	BASTA	dBi	8.2 ± 0.7
	MAX	dBi	8.9
Azimuth Beamwidth (3 dB)	degrees	72.9°±7.0°	
Elevation Beamwidth (3 dB)	degrees	40.9°±4.5°	
Electrical Downtilt	degrees	(y) 0°	
Impedance	Ohms	50	
VSWR	---	≤ 1.5:1	
Passive Intermodulation 3rd Order for 2x20 W Carriers	dBc	N/A	
Upper Sidelobe Suppression	dB	N/A	
Maximum Power Per Port	Watts	(4x) 100	
Isolation	Intraband	dB	> 25
	Interband	dB	> 28

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## 2C4U3MX065X06Fwxys0

### ELECTRICAL SPECIFICATIONS LAA Band

■ O1

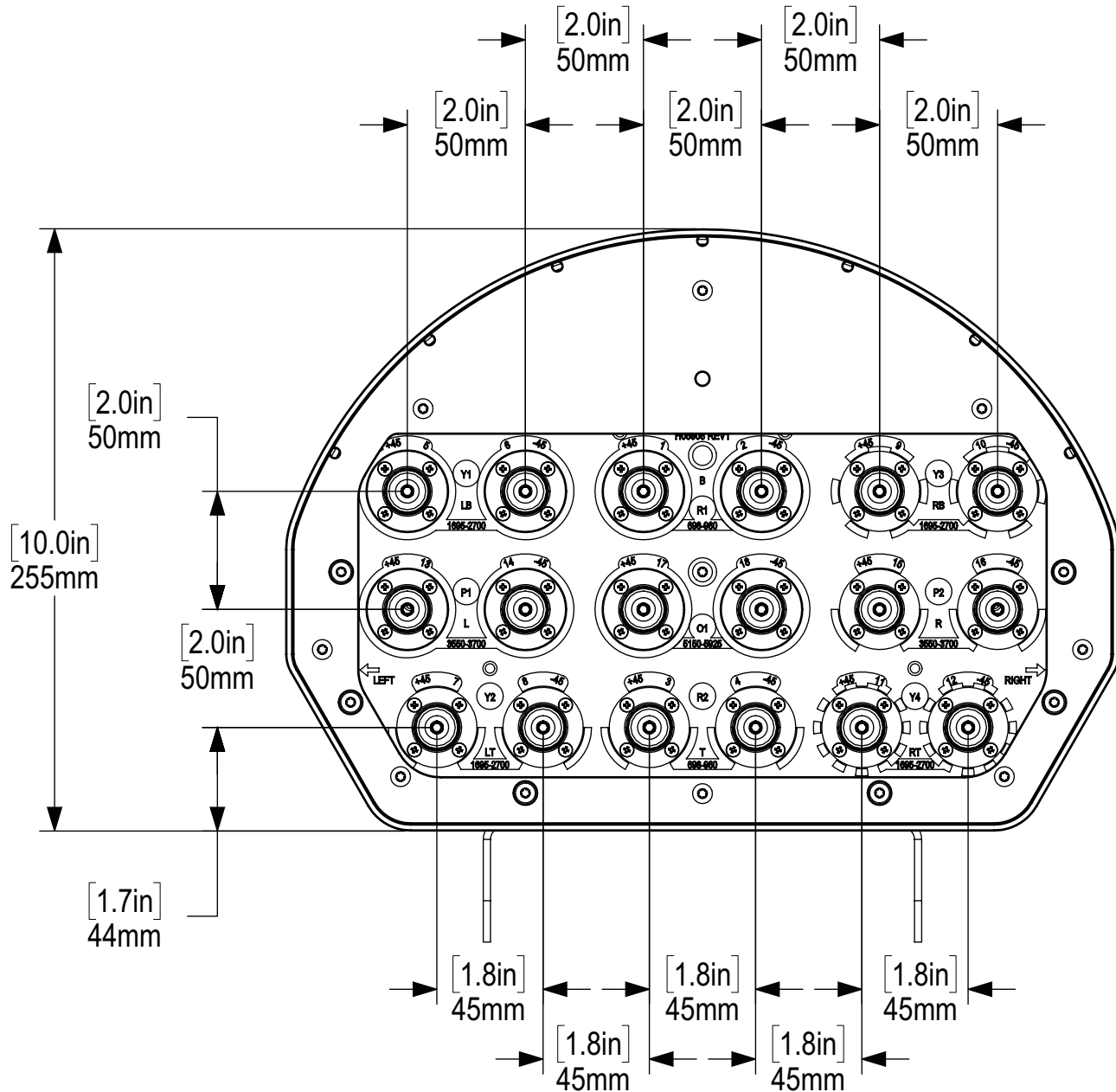
Frequency Range	MHz	(1x) 5150-5925	
Polarization	---	±45°	
Gain	BASTA	dBi	4.6 ± 0.7
	MAX	dBi	5.3
Azimuth Beamwidth (3 dB)	degrees	69.6° ± 17.7°	
Elevation Beamwidth (3 dB)	degrees	23.2° ± 2.4°	
Electrical Downtilt	degrees	(y) 0°	
Impedance	Ohms	50	
VSWR	---	≤ 1.5:1	
Passive Intermodulation 3rd Order for 2x20 W Carriers	dBm (dBc)	N/A	
Upper Sidelobe Suppression	dB	UNI-1 Compliant	
Maximum Power Per Port	Watts	(2x) 50	
Isolation	Intraband	dB	> 25
	Interband	dB	> 28

### MECHANICAL SPECIFICATIONS

Antenna	Length	mm (in)	633 (24.9)
	Width	mm (in)	343 (13.5)
	Depth	mm (in)	246 (9.7)
Net Weight - Antenna Only		kg (lbs)	7.3 (16)
Windload	Calculation	km/h (mph)	160 (100)
	Frontal	N (lbf)	262 (59)
	Aisw	N (lbf)	107 (24)
Survival Wind Speed		km/h (mph)	241 (150)
Wind Area		m <sup>2</sup> (ft <sup>2</sup> )	0.21 (2.3)
Connector	Type	---	4.3-10 Female
	Quantity	---	18
	Position	---	Bottom
Radome Color		---	Grey
Operating Temperature		degrees	-40 to +60 C (-40 to +140 F)
Lightning Protection (Grounding Type)		---	Direct Ground

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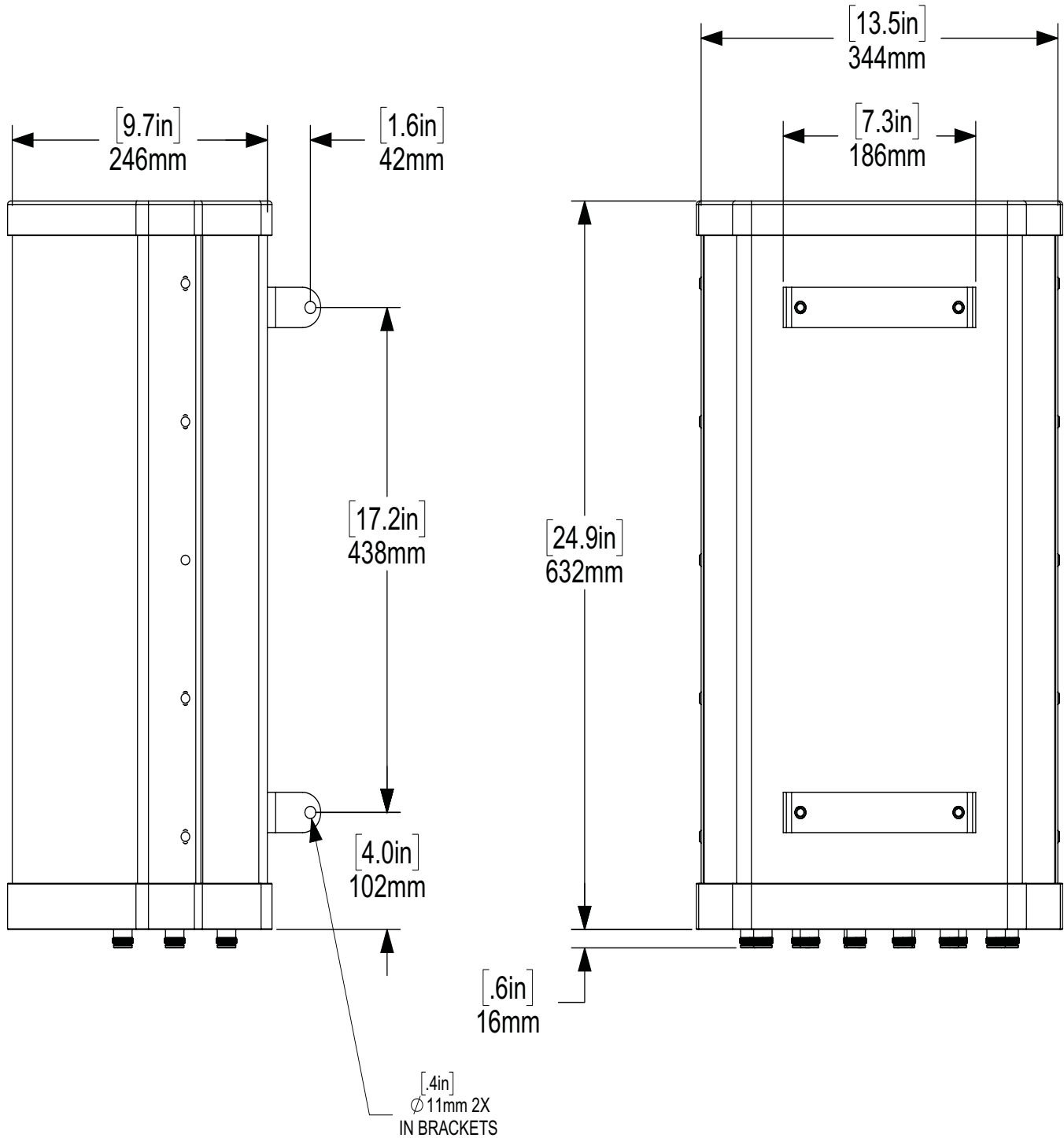
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**CONNECTOR END VIEW**

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## 2C4U3MX065X06Fwxys0



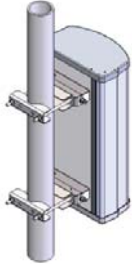
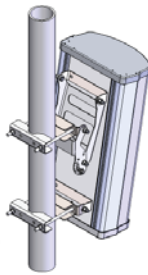
**SIDE VIEW**

**BOTTOM VIEW**

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**ACCESSORIES** All accessories are ordered separately unless otherwise indicated

MODEL NUMBER	DESCRIPTION	FITS PIPE DIAMETER	WEIGHT
	MKS09P01 2-Point Pole Mounting Bracket Kit	50-115 mm (2.0-4.5 in)	2.9 kg (6 lbs)
	MKS09T01 2-Point Pole Mounting & Downtilt Bracket Kit	50-115 mm (2.0-4.5 in)	4.5 kg (10 lbs)

**ORDERING OPTIONS** Select from the following ordering options

SELECT DEGREE OF ELECTRICAL DOWNTILT FOR EACH BAND				ORDERING MODEL NUMBER
LOW BAND	MID BAND	CBRS BAND	LAA BAND	
0°	2°	0°	0°	2C4U3MX065X06F020s0
0°	4°	0°	0°	2C4U3MX065X06F040s0
0°	6°	0°	0°	2C4U3MX065X06F060s0
0°	Y1 & Y2 = 2° Y3 & Y4 = 4°	0°	0°	2C4U3MX065X06FAAA s0
0°	Y1 & Y2 = 2° Y3 & Y4 = 6°	0°	0°	2C4U3MX065X06FBBB s0
0°	Y1 & Y2 = 4° Y3 & Y4 = 6°	0°	0°	2C4U3MX065X06FCCC s0

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