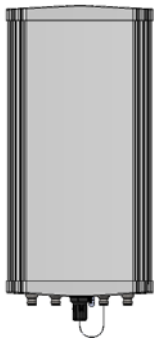
Wide Beam (Cardioid) Antenna

(4x) 1695-2400 MHz
(4x) 3300-4200 MHz

8-Port

OY10X160V8T20-MET



Features & Applications

- Wide Beam (Cardioid) Panel Antenna
- 4 port x 1695-2400 MHz, 4-port x 3300-4200 MHz
- HPBW : 160˚/ 160˚
- Gain : 11.2 dBi / 13.1dBi
- Manual Electrical Tilt : 0 ˚ ~ 20 ˚ for Mid-Band

ELECTRICAL SPECIFICATIONS							
Port Information		-	Y1-Y2				P1-P2
Frequency Range		(MHz)	**1695-1850**	**1850-1910**	**1910-2180**	**2300-2400**	**3300-4200**
Gain (max)	Over All Tilt	(dBi)	10.7	10.7	11.2	11.0	13.1
Gain (avg)	Over All Tilt	(dBi)	9.6	9.8	9.9	9.9	11.3
Gain (avg)	EDT 0°	(dBi)	9.4	9.6	9.9	10.2	11.3
	EDT 5°	(dBi)	9.5	9.7	10.0	10.2	
	EDT 10°	(dBi)	9.7	9.8	10.1	10.2	
	EDT 15°	(dBi)	9.7	9.8	9.9	9.6	
	EDT 20°	(dBi)	9.7	9.9	9.7	9.3	
Horizontal Pattern							
Azimuth Beam width		(°)	160	160	160	160	160
F/B @180°		(dB)	18	18	18	18	18
Vertical Pattern							
Elevation Beam width		(°)	30	28	26	24	19
Electrical Down tilt continuously Adjustable		(°)	0-20				Fixed 0°
First Upper Side Lobe Suppression	EDT 0°	(dB)	13				-
	EDT 5°	(dB)	13				-
	EDT 10°	(dB)	12				-
	EDT 15°	(dB)	11				-
	EDT 15°	(dB)	10				-

GENERAL SPECIFICATIONS		
Isolation	(dB)	>20
VSWR	-	1.5 : 1
Polarization	(°)	±45
Intermodulation IM3	(dBc)	-153(3rd Order, 2x20W)
Impedance	(Ω)	50
Max. Effective Power per Port	(Watts)	100

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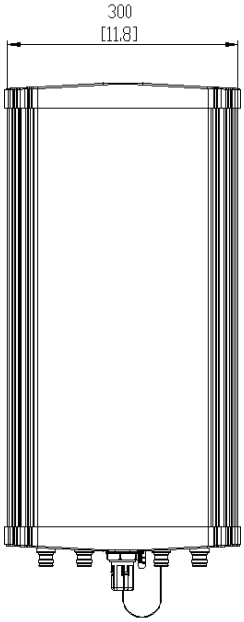
Wide Beam (Cardioid) Antenna

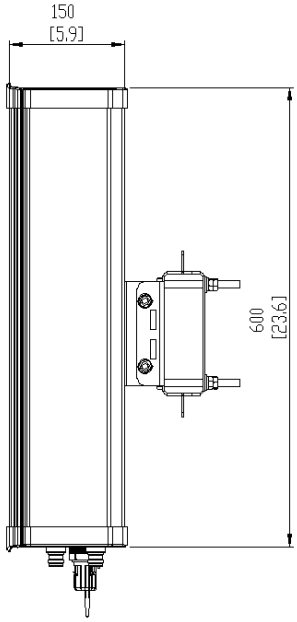
(4x) 1695-2400 MHz
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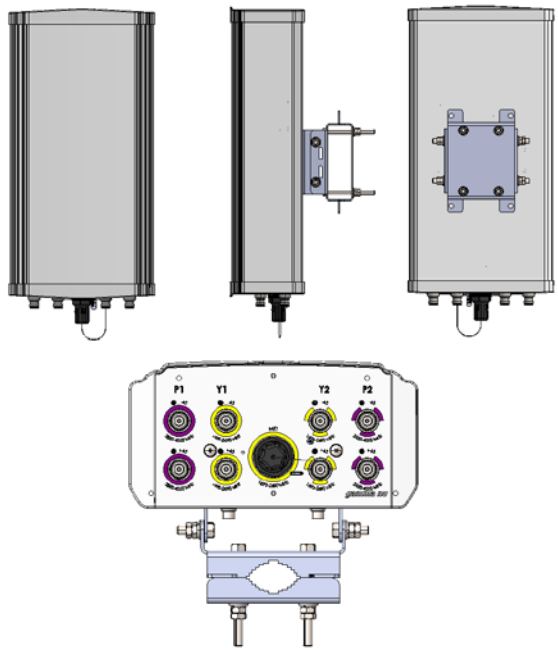
8-Port

Mechanical Dimensions

Outline



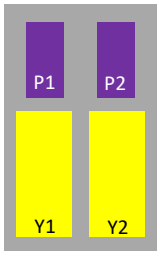




MECHANICAL SPECIFICATIONS

Connector Type & Quantity	-	8 x 4.3-10 Female
Connector Position	-	Bottom
Antenna Dimension (W x H x D)	(inch / mm)	11.8 x 5.9 x 23.6 / 300 x 150 x 600
Weight (without Mounting Kit)	(lb / kg)	15.5 /7
Wind Load (@100 mph)	(N)	Front 256, Side 128, Rear 256
Max.Wind Speed (Survival Wind Speed)	(mph)	150
Radome (Color)	-	ASA (Gray)

Array Information



Array	Frequency (MHz)	Electrical Down tilt	Connectors
Y1-Y2	1695-2400	Manual EDT 0°~20°	1-4
P1-P2	3300-4200	-	5-8

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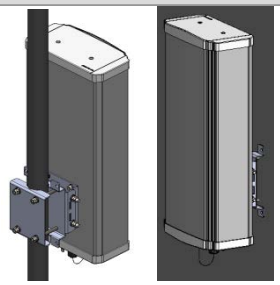
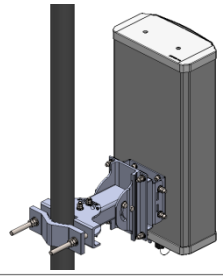
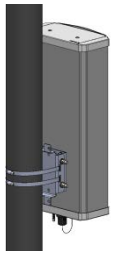
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8-Port

Ordering Options for Mounting Kits

Part Number	Picture	Description
Included MTK-S02WF		Wall/Pole mounting bracket, Fixed * Weight: 4.4 lbs (2 kg) * Pipe Diameter : Maximum Ø2.36 inch (Ø60 mm)
Optional MTK-S02PV		Pole mounting bracket Down-tilt, left or right swing arm attachment * Weight: 11 lbs (5 kg) * Pipe Diameter: Ø1.96 ~ Ø3.15 inch (Ø50 ~ Ø80 mm)
Optional SUS Banding Clamp		Pole mounting bracket using steel bands, Fixed * Hole opening for steel bands: Ø1 inch (Ø25 mm)

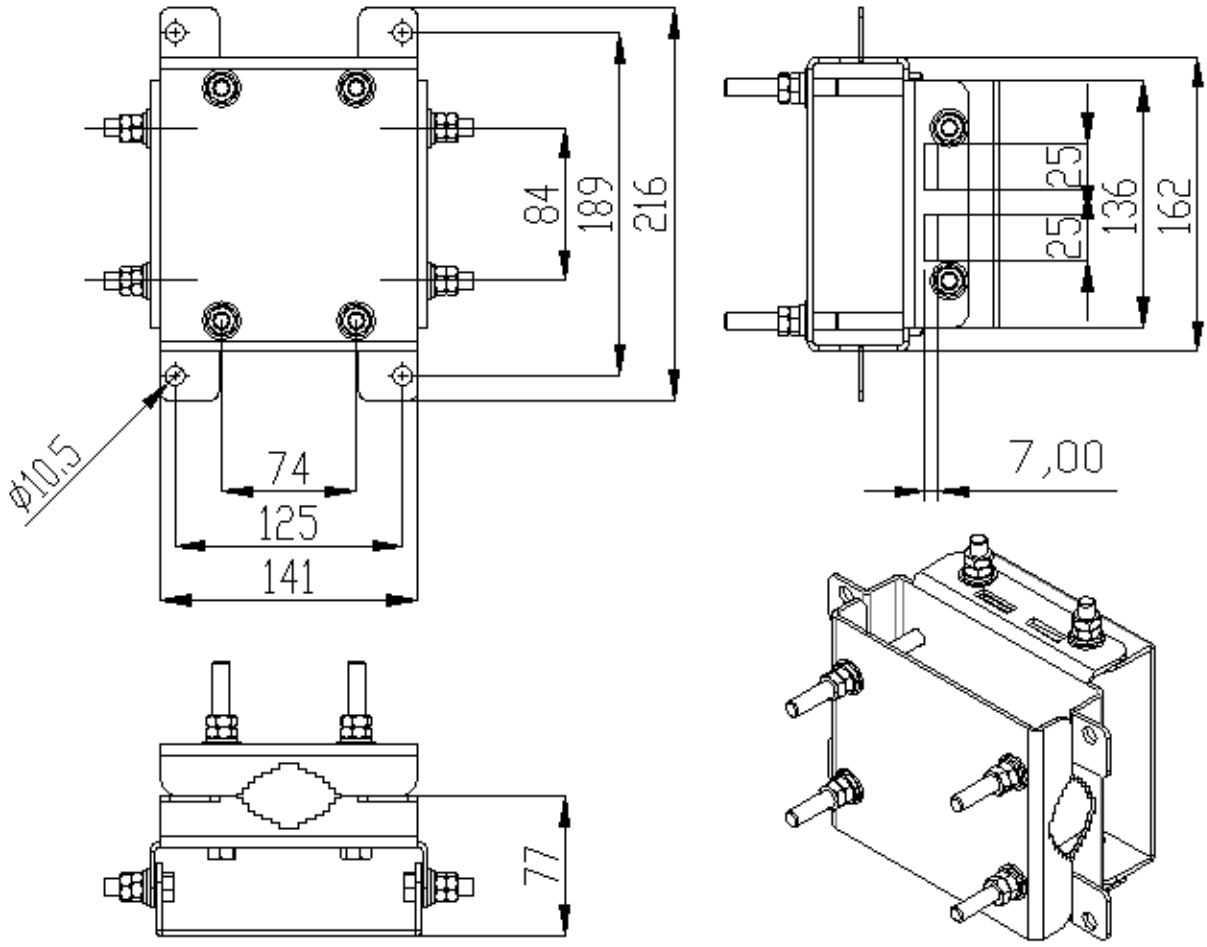
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8-Port

Bracket Draft : MTK-S02WF



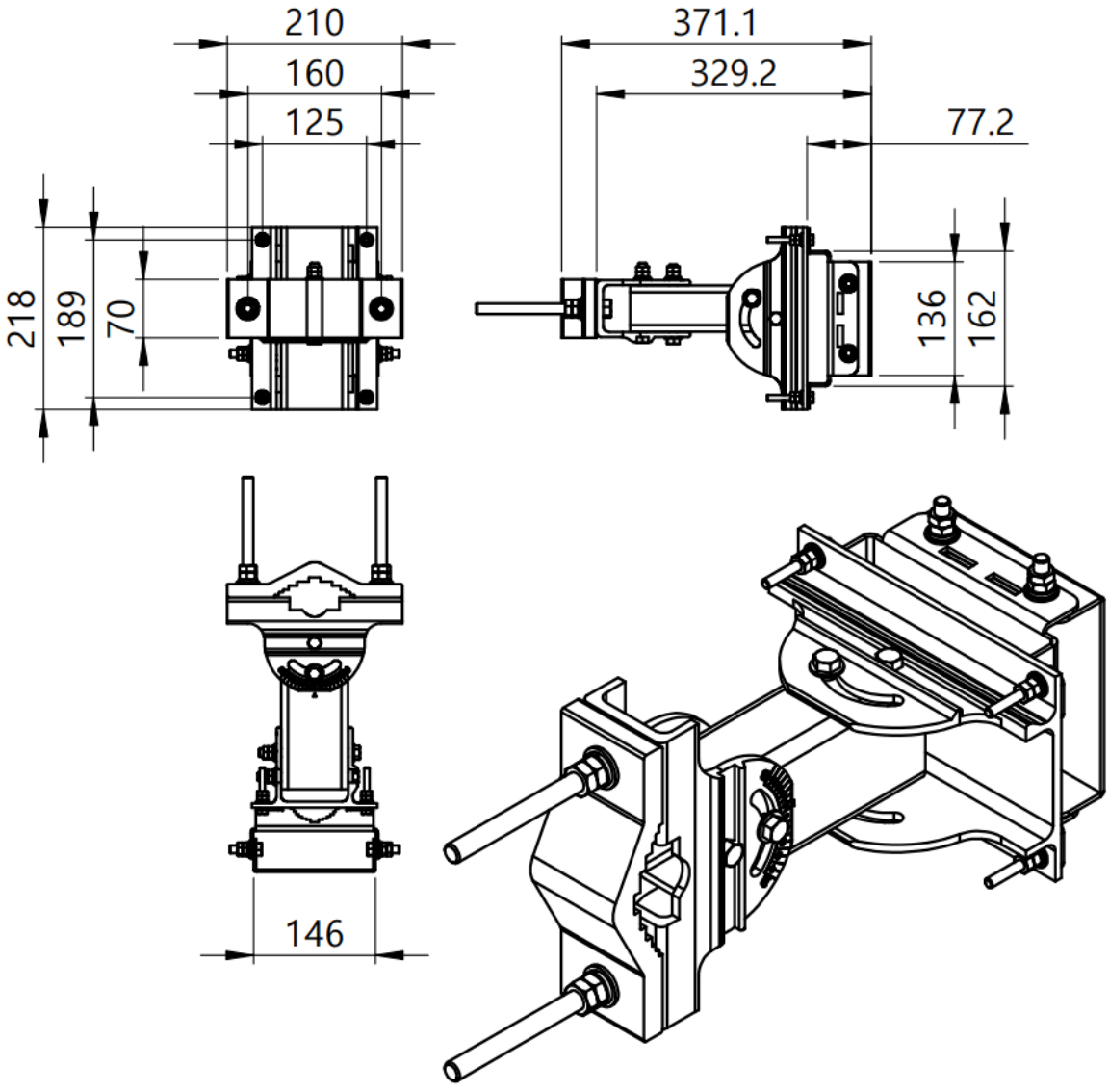
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Wide Beam (Cardioid) Antenna

(4x) 1695-2400 MHz
(4x) 3300-4200 MHz

8-Port

Bracket Draft : MTK-S02PV



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Thank you for your Consideration !

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