

12" 10-Port Multi-Band 65° Directional Panel Antenna [1695-2690, 3400-3800 and 5150-5925 MHz]

GP1210-06830

Description:

- Single-sector 10-Port MIMO antenna for Small Cell, Outdoor DAS and high-capacity stadium applications.
- 65° beam width dual-polarized covering AWS/PCS/WCS/BRS, CBRS and LAA / U-NII Bands.
- 4x ports for 1695-2690 MHz with Manual Electrical Tilt (MET)
- 4x ports for 3400-3800 MHz
- 2x ports for 5150-5925 MHz*



10-Port 1695-2690, 3400-3800 and 5150-5925 MHz Directional Panel Antenna with Mounting Bracket

*Compliant to 789033 D02 General U-NII Test Procedures New Rules v01r04: The antenna meets current U-NII-1 requirements for gain and upper side-lobe performance. Guidelines for Compliance Testing of Unlicensed National Information

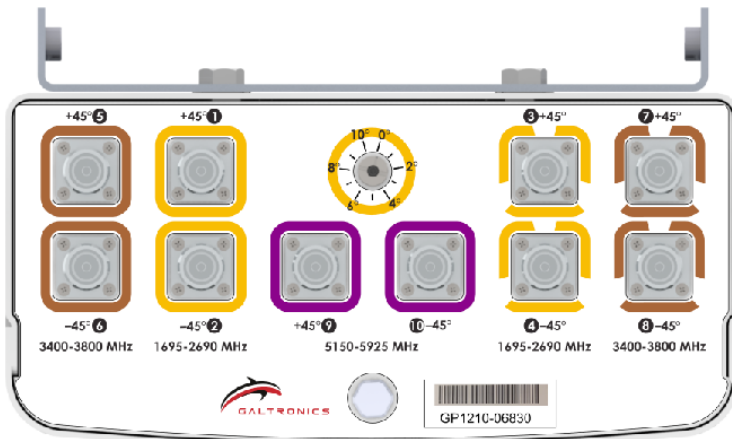
Electrical Specifications

Frequency Band [MHz]	1695-2200	2300-2400	2496-2690	3400-3800	5150-5925
Input Connector Type	4x 4.3-10(F)			4x 4.3-10(F)	2x 4.3-10(F)
Port-to-Port Isolation (min.)	20 dB				
VSWR (max.) / Return Loss (min.)	1.5:1 / 14.0 dB				
Impedance	50 Ω				
Polarization	Dual slant 45° (±45°)				
Horizontal Beamwidth	70°	64°	66°	59°	69°
Vertical Beamwidth	28.6°	23.9°	22.4°	25.8°	22.8°
Gain (max.)	11.9 dBi	12.1 dBi	12.2 dBi	12.1 dBi	5.5 dBi
Gain (avg.)	10.9 dBi	11.7 dBi	11.4 dBi	11.5 dBi	4.7 dBi
Front-to-Back Ratio, 180°	30 dB	30 dB	30 dB	30 dB	28 dB
Downtilt	0° - 10° MET			0° Fixed	0° Fixed
Max Power / Port	100 Watts			50 Watts	1 Watt
PIM @ 2x43 dBm	<-153 dBc			N/A	N/A

Mechanical Specifications

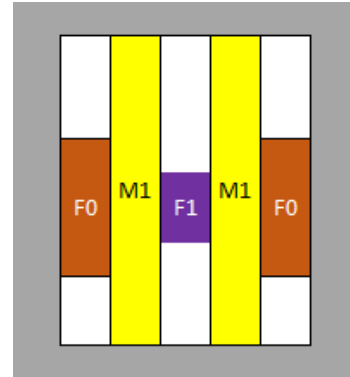
Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	11.5 lbs (5.2 kg)
Antenna Dimension (Height x Width x Depth)	(12.6" x 12.0" x 5.9") / (319mm x 306mm x 149mm)
Radome Material	ASA
RoHS	Compliant
Radome Color	Gray
Ingress Protection	Outdoor (IP65)
Wind Survival Rating	150 mph (241 km/h)

Bottom Plate with Port Labels

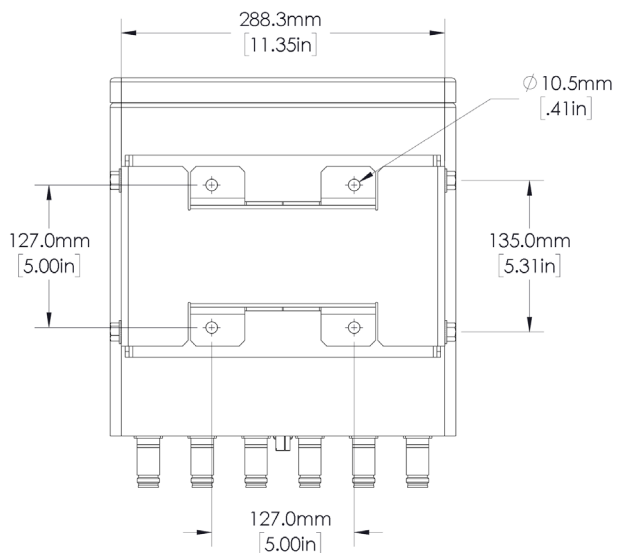
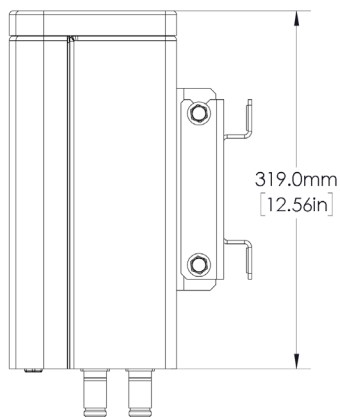
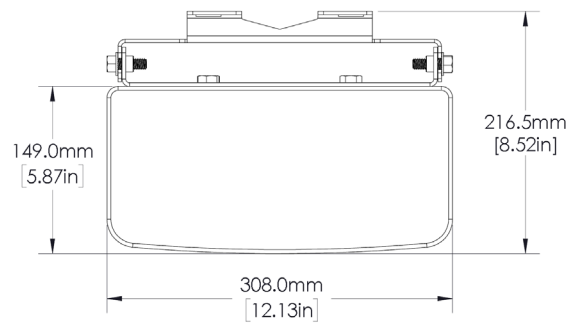


MET Designator

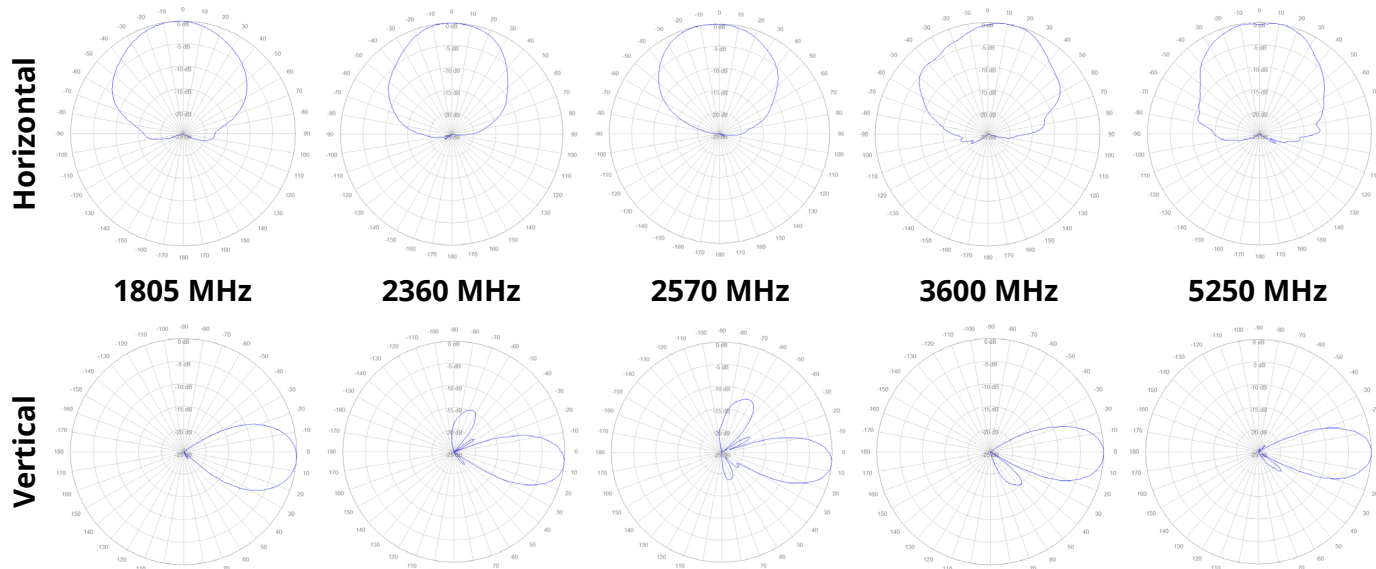
Frequency Range	MET Designator	Ports	Electrical Tilt
1695-2690 MHz	M1	1-2-3-4	0° - 10° MET
3400-3800 MHz	F0	5-6-7-8	0° Fixed
5150-5925 MHz	F1	9-10	0° Fixed



Antenna Outline



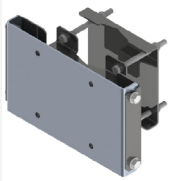
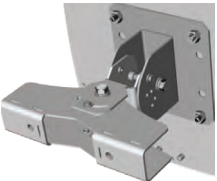
Antenna Patterns



Part Numbers & Ordering Options

Description	Color	Mounting Kit	Part Number
65° Directional Panel Antenna with 0-10° MET and 10x 4.3-10(F) Connectors	Gray	Including MK-06853 Wall/Pole Mounting Kit	GP1210-06830-1xx

Mounting Brackets & Optional Accessories

<p>[Included] Heavy Duty Mounting Bracket Wind speed of 150 mph This standard mounting bracket offers an easy installation solution to mount the antenna to either a horizontal or a vertical pole.</p>	 <p>MK-06853</p>
<p>[Optional] Heavy Duty Dual Axis Adjustable Mounting Bracket Wind speed of 150 mph This optional mounting bracket offers an easy installation solution to mount the antenna to either a horizontal or a vertical pole.</p>	 <p>62-45-09</p>

Mating Connector Torque:

4.3-10: 3.7 ft-lb (5 Nm)