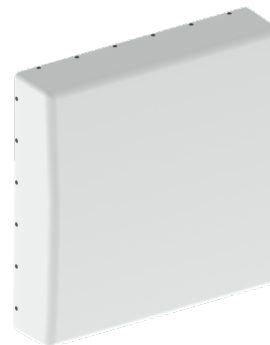


30°/30° 12-Port Directional Panel Antenna [617-896, 1695-2690, 3300-4200 and 5150-5925 MHz]

GP2912-06907

Description:

- Single-sector 12-Port MIMO antenna for high capacity stadium and venue applications
- 30°/30° beam width dual-polarized covering 600 MHz/LTE/CELL, AWS/PCS/WCS/BRS, CBRS and LAA / U-NII Bands.
- 2x ports for 617-896 MHz
- 4x ports for 1695-2690 MHz
- 4x ports for 3300-4200 MHz
- 2x ports for 5150-5925 MHz*



617-896, 1695-2690, 3300-4200 and 5150-5925 MHz
12-Port 30x30 Pattern Directional Panel Antenna

*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 Infrastructure (U-NII) Devices - Part 15, Sub-part E

Electrical Specifications

Frequency Range (MHz)	617-698	698-806	806-896	1695-2200	2305-2360	2496-2690	3300-3550	3550-3700	3700-4200	5150-5925
Gain, dBi (max.)	12.8	13.5	13.9	15.5	15.5	16.0	14.5	15.1	15.6	5.5
Gain, dBi (avg.)	12.4	12.8	12.9	14.4	15.1	15.5	13.9	14.5	14.9	4.4
Azimuth Beamwidth (°)	38.1	34.3	29.5	30.5	23.8	21.7	30.3	28.2	24.6	20.7
Elevation Beamwidth (°)	37.4	33.6	31.1	29.5	24.4	20.9	28.2	26.0	23.7	20.8
Front-to-Back Ratio @ 180°, dB (min.)	26	28	27	32	34	32	38	41	36	34
VSWR (max.) / RL (dB, min.)	1.5:1 / 14.0									
Port-to-Port Isolation, dB (min.)	25									
PIM @ 2x20W, dBc (max.)	-153						-145		N/A	
Power per Port, Watts (max.)	200			200			100		1	
Polarization	Dual slant 45° (±45°)									
Impedance	50 Ω									

Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	26 lbs (11.8kg)
Mounting Bracket Weight	5.07 lbs (2.37 kg)
Antenna Dimension (Height x Width x Depth)	29.1" (739.5 mm) x 29.1" (739.5 mm) x 7.1" (179.7 mm)
Input Connector Type	12x 4.3-10(F)
Radome Material	ASA
Radome Color	Gray
RoHS	Compliant
Wind Load, Front (@ 150 km/h)	1809 N / 406 lbf
Wind Load, Side (@ 150 km/h)	466 N / 104 lbf
Wind Load, Maximum (@ 150 km/h)	1862 N / 418 lbf
Ingress Protection	IP65
Wind Survival Rating	150 mph (241 km/h)

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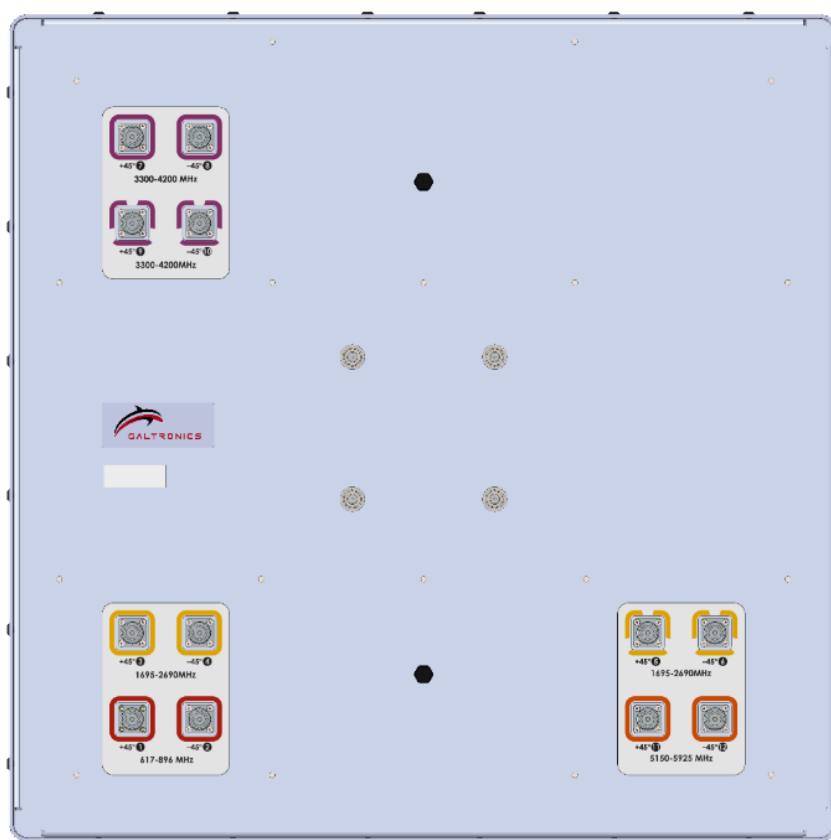
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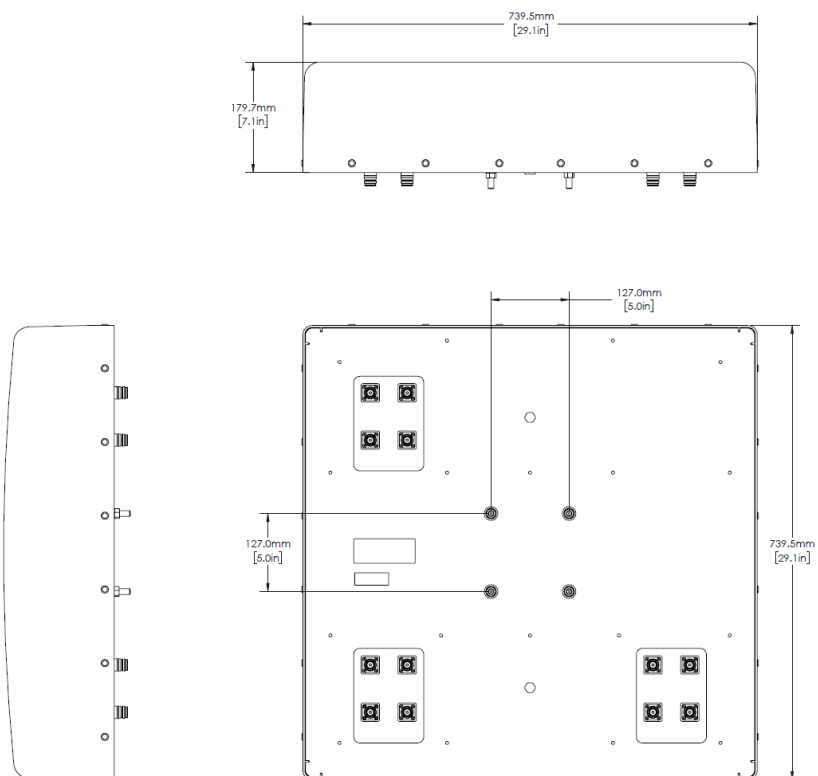
GALTRONICS

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Back Plate Port Configuration/Labelling



Antenna Outline



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RFD#: 6907 ; Revision: R3 ; Release Date: December 17, 2020;

Antenna Patterns

Horizontal

740 MHz

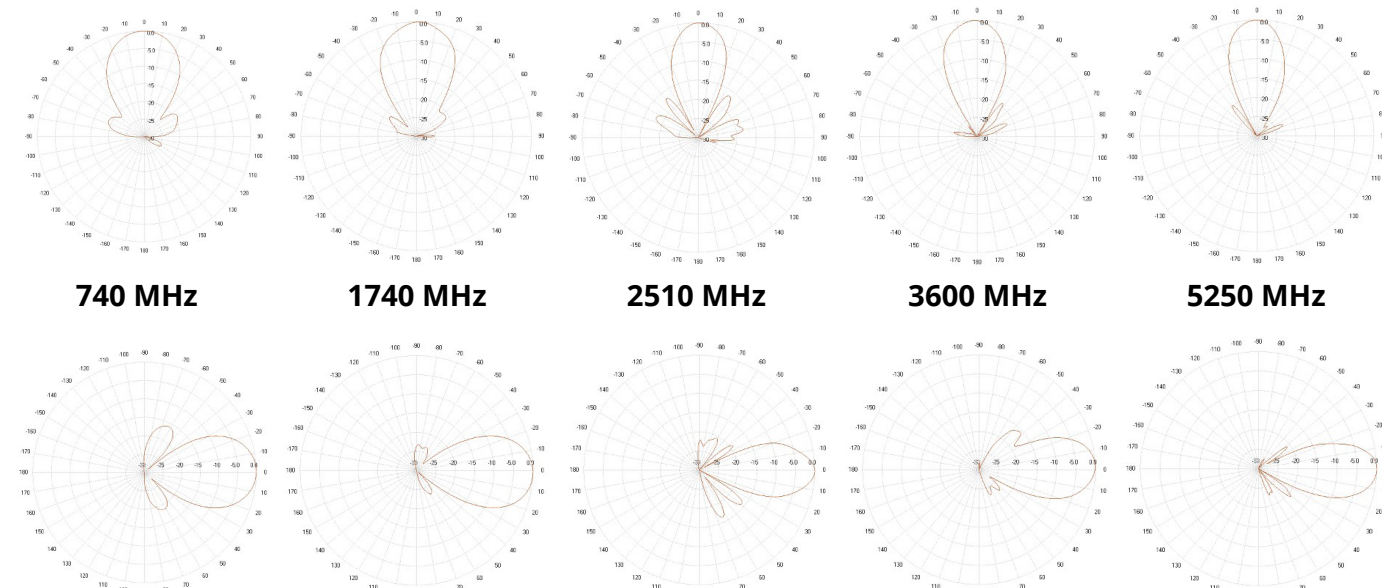
1740 MHz

2510 MHz

3600 MHz

5250 MHz

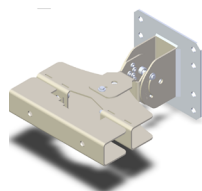
Vertical



Part Numbers & Ordering Options

Description	Color	Mounting Kit	Part Number
12-Port 30° x 30° Pattern Directional Panel Antenna with 12x 4.3-10 (F) Connectors	Gray	Includes 62-45-09 mounting kit	GP2912-06907-1xx

Mounting Kit and Accessories Part Numbers

Description:	Part Number:
Heavy Duty Mounting Bracket (150 mph) [INCLUDED] The mounting bracket allows wall and pole mounting with flexible and continuous antenna adjustment in the horizontal and vertical plane.	 62-45-09 (Included)
2 Axis Pole/Wall Mounting Bracket (150 mph) [OPTIONAL] Galtronics' mounting bracket offers an easy installation solution to mount Galtronics' stadium antennas to either a pole or a wall. When attaching the antenna to a wall please make sure to select appropriate fasteners (not included).	 62-28-09 (Sold Separately)
Heavy Duty Mounting Bracket (150 mph) [OPTIONAL] This standard mounting bracket offers an easy installation solution to mount the antenna to either a horizontal or a vertical pole.	 MK-07305 (Sold Separately)

Mating Connector Torque:
4.3-10: 3.7 ft-lb (5 Nm)

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