

2' 12-Port Tri-Band Directional Panel Antenna [617-896, 1695-2690 and 3300-4200 MHz]

GP2412-07850

- Description:**
- Single-sector 12-Port MIMO antenna for Base Station, Small Cell and Outdoor DAS applications
 - Dual-polarized covering 617 - 4200MHz
 - 4x ports for 617-896 MHz
 - 4x ports for 1695-2690 MHz with Manual Electrical Tilt (MET)
 - 4x ports for 3300-4200 MHz



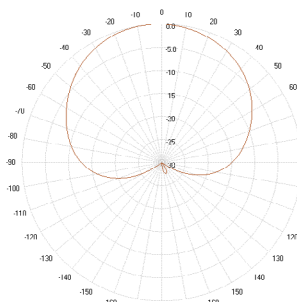
12-Port 617-896, 1695-2690 and 3300-4200 MHz Triple-Band Directional Panel Antenna

Electrical Specifications									
Frequency Band [MHz]	617-698	698-806	806-896	1695-2200	2305-2360	2496-2690	3300-3550	3550-3700	3700-4200
Port Designator	P1~P4 x 4.3-10(F)			P5~P8 x 4.3-10(F)			P9~P12 x 4.3-10(F)		
Polarization (°)	Dual slant 45 (±45)								
Horizontal Beamwidth (°)	83	83	72	67	68	72	63	66	71
Vertical Beamwidth (°)	76	72	68	14	11	11	19	20	17
Electrical Tilt (°)	0 Fixed			2 - 12 MET			0 Fixed		
Gain (dBi, max.)	7.8	8.0	8.6	15.4	15.0	14.5	12.9	12.3	13.4
Gain (dBi, avg.)	7.2	7.4	7.8	14.0	14.4	13.7	12.2	11.7	12.4
VSWR/RL (dB)	1.5:1 / 14.0								
Port-to-Port Isolation (dB)	25								
PIM @ 2x43 dBm (dBc)	-153						-145		
Max Power / Port (Watt)	100								
Impedance (Ω)	50								

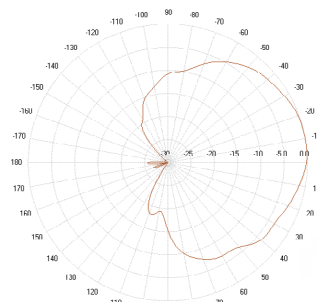
Mechanical Specifications	
Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	16.5 lbs (7.5 kg)
Antenna Dimension (Height x Width x Depth)	24.7" (626 mm) x 15.0" (380 mm) x 7.2" (184 mm)
Radome Material	ASA
Radome Color	Gray
Environment Rating	Outdoor
Wind Survival Rating	150 mph (241 km/h)

RFD#: 7850 ; Revision: R1 ; Release Date: June 10, 2024

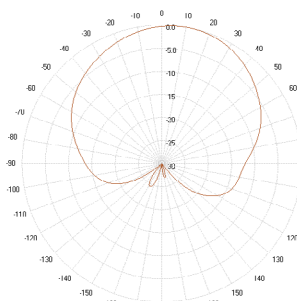
2D Antenna Pattern



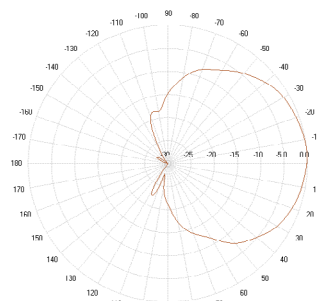
617 MHz



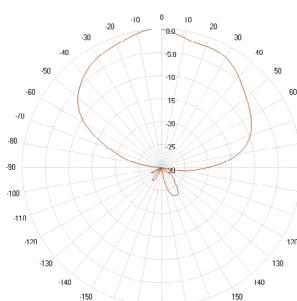
758 MHz



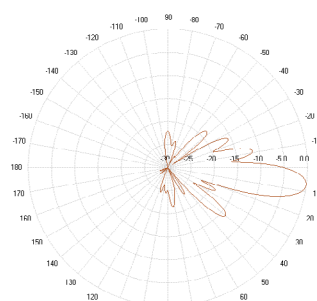
849 MHz



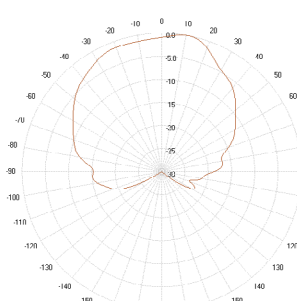
1850 MHz EDT7



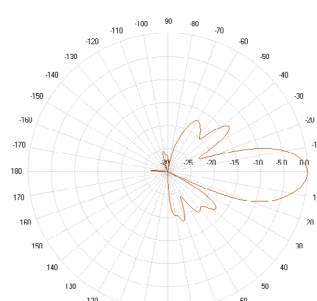
2360 MHz EDT7



2500 MHz EDT7

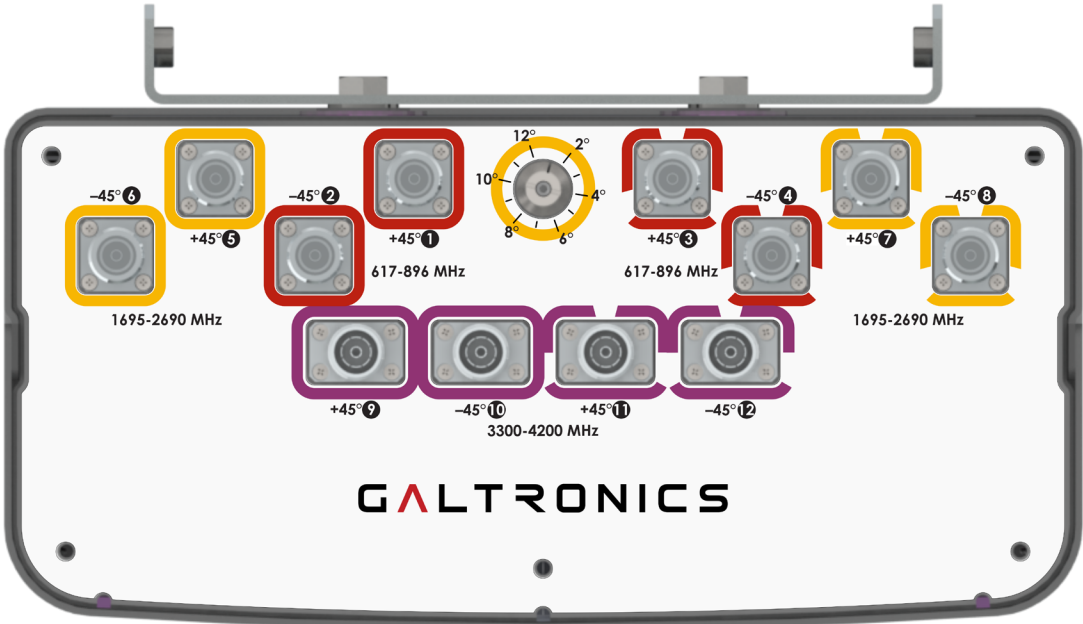


3450 MHz



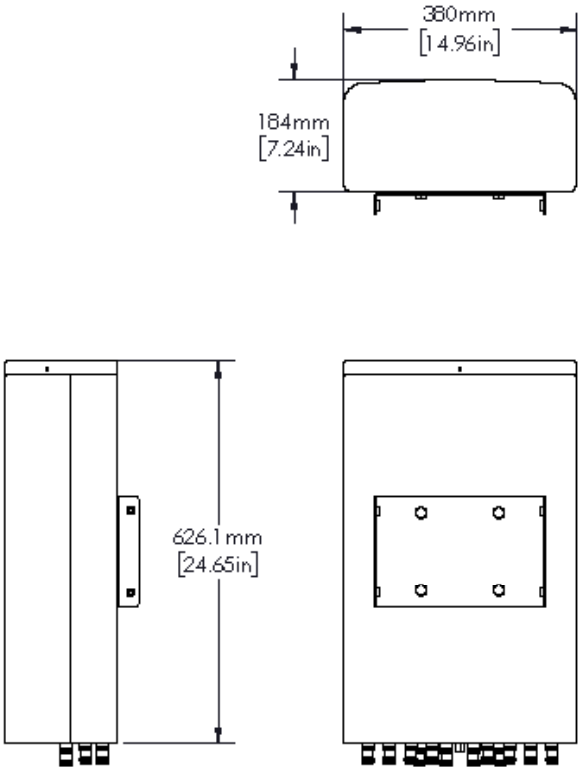
3880 MHz

Bottom Plate with Port Labels



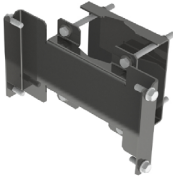
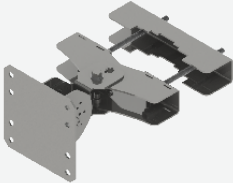
Mating Connector Torque:
4.3-10: 3.7 ft-lb (5 Nm)

Antenna Outline



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Part Numbers & Ordering Options			
Description	Color	Mounting Kit	Part Number
2" 12-Port Tri-Band Directional Panel Antenna with 12x 4.3-10(F) Connectors	Gray	Including MK-06853 Wall/Pole Mounting Kit	GP2412-07850-112

Mounting Brackets & Optional Accessories	
Description:	Part Number:
Heavy Duty Mounting Bracket (150 mph) [INCLUDED] This standard mounting bracket offers an easy installation solution to mount the antenna to either a horizontal or a vertical pole. Note: MK-06853 mounting bracket can also be ordered seperately.	 MK-06853
Heavy Duty Dual Axis Adjustable Mounting Bracket (150 mph) [OPTIONAL] This optional mounting bracket offers an easy installation solution to mount the antenna to either a horizontal or a vertical pole.	 62-45-09 Sold Seperately