

<p>X-pol Dual Band Antenna, 698-960/1695-2700 MHz</p> <p>24", 28° horizontal beamwidth</p> <p>Fixed E-tilt</p>	
<ul style="list-style-type: none"> • Fast Roll-Off (FRO) improves intra- and inter-cell SINR • Separate housing and reflector construction optimizes RF performance while maximizing mechanical strength • Good passive intermodulation (PIM) performance reduces harmful interference • Optional integrated diplexers minimizes cabling costs and improves aesthetics • Included multi-position stadium bracket accommodates most mounting surfaces • Suitable for LTE/CDMA/UMTS/GSM/WCS/WiMax/ neutral host 	

Includes integrated diplexers

Reduces mainline cables

Eliminates external tower devices

ELECTRICAL SPECIFICATIONS

Frequency band, MHz	698-745	746-896	897-960	1695-2180	2181-2360	2496-2700
Horizontal beamwidth, 3 dB points† (average)	33°	31°	29°	31°	25°	25°
Gain, dBi (average)	10.5	10.5	10.6	12.3	12.5	13.0
Vertical beamwidth, 3dB points (average)	66°	63°	60°	60°	42°	42°
Azimuth sidelobe suppression, typical, dB	>18	>18	>18	>18	>18	>18
VSWR / return loss, dB, maximum	1.7/11.7	1.5/14.0	1.7/11.7	1.5/14.0	1.7/11.7	1.7/11.7
Polarization	+/-45°			+/-45°		
Electrical down tilt, fixed	0°			0°		
Isolation between ports, dB, minimum	>28			>28		
Intermodulation (2 x 20 w), IM3, dBc, maximum	-153			-153		
Impedance, ohms	50			50		
Maximum power per connector, CW (w)	250 @ 800 MHz			125 @ 1900 MHz		

†Beamwidth refers to antenna in orientation shown on this page. Upright installation will reverse H/V beamwidths.

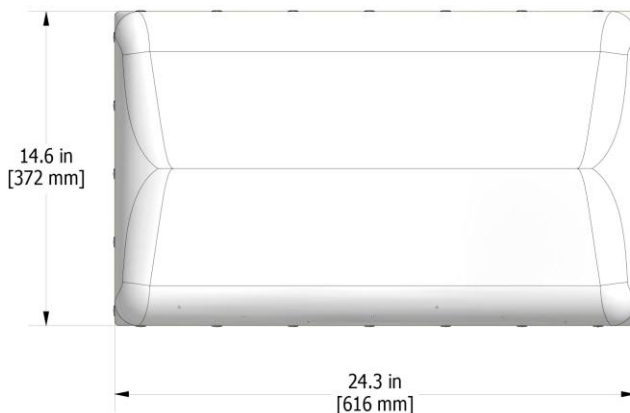
MECHANICAL SPECIFICATIONS

Dimensions, length/width/depth	14.6/24.3/7.9 in. (372/616/200 mm)
Connector (quantity) type	(2) 7-16 DIN female for diplexed and (4) 7-16 DIN female for non-diplexed
Connector torque	220-265 lbf·in (23-30 N·m)
Connector location	Back
Antenna weight	7.0 lb (3.2 kg)
Bracket weight	5.0 lb (2.3 kg)
Standard bracket kit	P/N 919050 (included)
Mechanical down tilt range	+/- 25° lateral (azimuth adjustment) and +/- 55° vertical (up/down tilt)
Radome material	High-strength Luran®, UV stabilized, ASTM D1925
Wind survival	120 mph (193 km/h)
Front wind load @ 100mph	60.8 lbf (270.4 N)
Equivalent flat plate @ 100mph	1.22 sq ft (c=2)

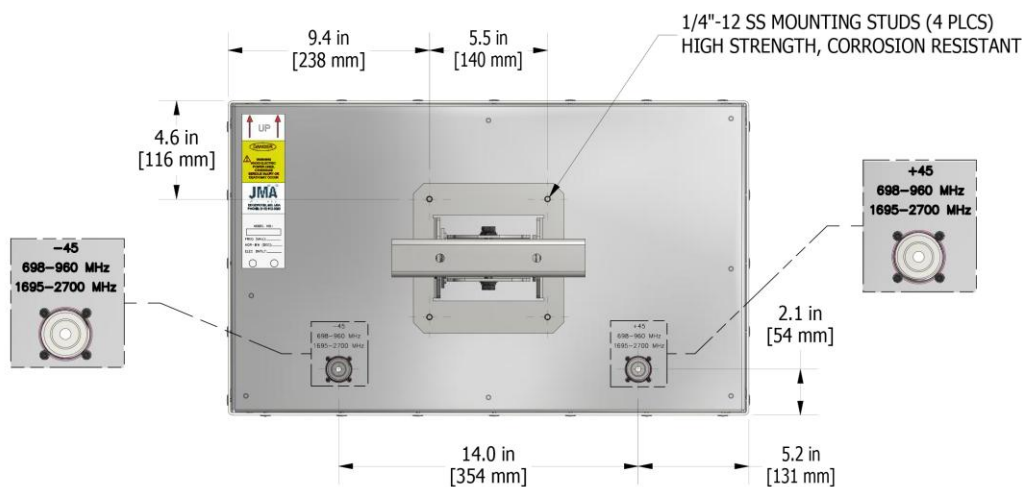
ORDER INFORMATION

MODEL	DESCRIPTION
XGU-FRO-128-I	2F X-pol LB/HB 28° 0°/0° EDT with internal diplexer and 2 DIN connectors
XGU-FRO-128	2F X-pol LB/HB 28° 0°/0° EDT with 4 DIN connectors
919055	Optional inverted mounting kit for 4.0-10.0 in. OD pole.
91900313	Optional bracket kit for extended horizontal and vertical tilt ranges.

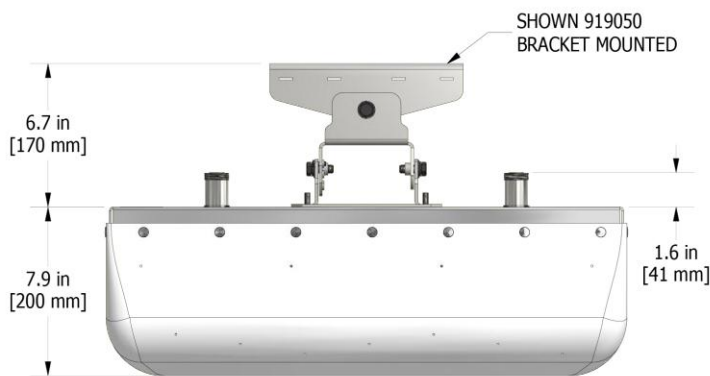
Mechanical Outline Drawing: XGU-FRO-128-I (internally diplexed)



FRONT VIEW

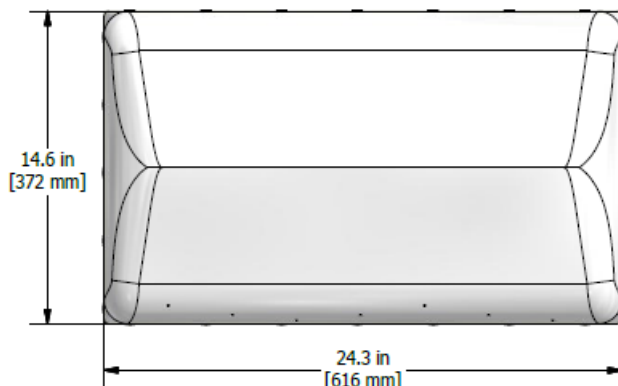


BACK VIEW

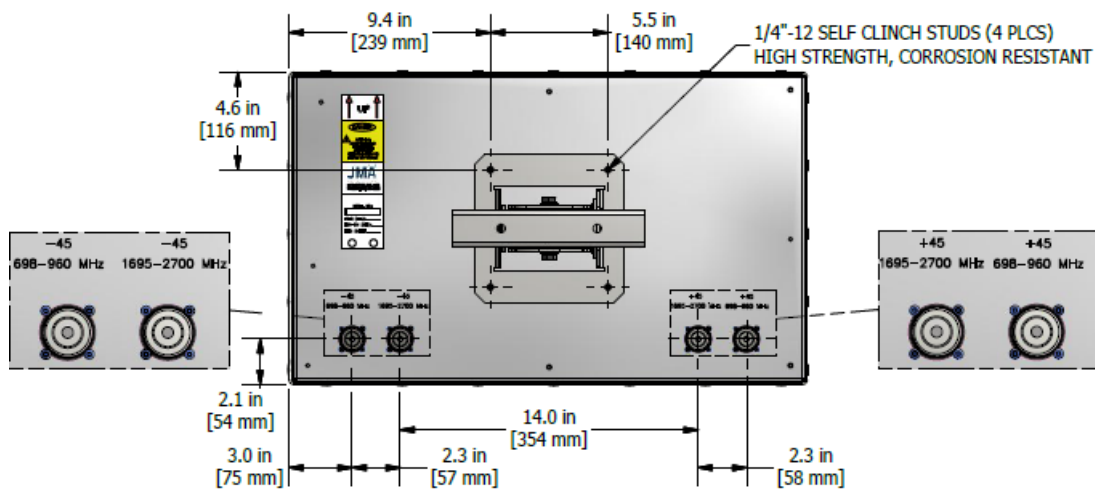


BOTTOM VIEW

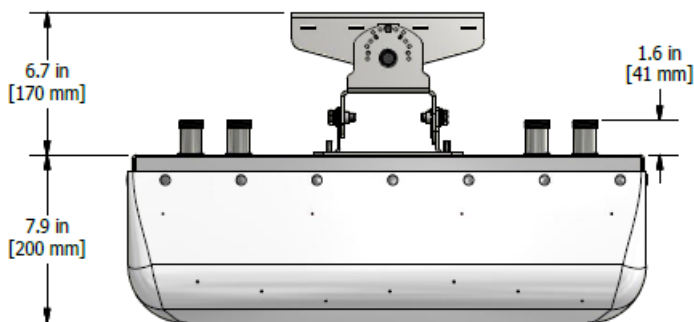
Mechanical Outline Drawing: XGU-FRO-128 (non-diplexed)



FRONT VIEW



BACK VIEW



BOTTOM VIEW

Examples of standard stadium bracket kit 919050 installation

Note: For mounting details, refer to installation drawing, P/N 919050, on the JMA website Antenna Matrix.

