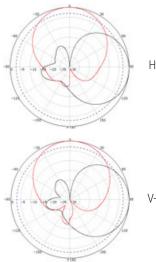


May 2020

Model Numbers: A52-X12-100 A52-X12-101

The Wideband MIMO Panel Antenna is a dual-polarization LTE MIMO antenna for indoor or outdoor wall, ceiling, or pole mount installations. The antenna is designed to operate within the frequency ranges of 698-960 MHz and 1710-2700 MHz, providing optimized pattern coverage for DAS applications.

Used in conjunction with Nextivity's Antenna Positioning application, the Wideband MIMO is an ideal product to deliver the off-air donor signal, or to direct coverage from the Coverage Unit (CU), for the Cel-Fi QUATRA 1000 and QUATRA 2000.



H-Plane

V-Plane



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cel-fi.com/antennas



X

- MIMO (LTE)
- Dual polarization (vertical/horizontal design)
- Wideband coverage
- Low VSWR
- · Aesthetically pleasing, low profile housing

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

Frequency Range (MHz)	698-864	870-960	1710-1880	1920-2170	2200-2500	2490-2700
Gain (dBi)	6.5	7.0	8.5	9.0	8.0	7.5
VSWR	≤2.0		≤1.8			
Polarization	±45°					
Isolation	23 dB					
Horizontal Beamwidth	78	73		65		60
Vertical Beamwidth	70		55/65 75/55		75/55	
Input Impedance	50 ohm					
Max.Power	100W		50W			
Lightning Protection	DC Ground					

MECHANICAL SPECIFICATION

Model Number: A52-X12-100	Connector: QMA-Male		
Model Number: A52-X12-101	Connector: N-type Female		
Dimension	315×195×68 mm		
Shipping Dimensions	385×235×95 mm		
Weight	0.95 kg		
Reflector Material	Brass and PCB		
Radome Material	ABS (UV Stabilized)		
Operating Temperature	-40°C to +65°C		

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