



Cel-Fi™ Wideband MIMO Panel Antenna

Smart Cellular Coverage



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.

FEATURES

- 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	
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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