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Mini 2x2 MIMO Indoor/Outdoor Directional Panel Antenna [617-960, 1695-2690 & 3300-4200 MHz]

GI1002-07727

Description:

- Directional 2x2 MIMO antenna for DAS & Venue applications
- Dual-polarized design covering 600 MHz/LTE/CELL850/GSM900, AWS/PCS/WCS/BRS and 3300-4200 MHz band frequencies
- Rear cable with 2x 4.3-10 (F) connectors
- Includes wall/pole mounting bracket

617-960 MHz, 1695-2690 MHz & 3300-4200 MHz
2-Port Mini-Panel Directional Antenna

Electrical Specifications

Frequency Band [MHz]	617-698	698-896	896-960	1695-2200	2305-2360	2496-2690	3300-3550	3550-3700	3700-4200
Input Connector Type	2x 4.3-10 (F) w/ pigtails (12", 30cm) - rear cable launch								
Isolation (min.)	15 dB			18 dB			23 dB		
VSWR (max.) / RL (dB, min.)	1.67:1 / 12	1.5:1 / 14	1.67:1 / 12	1.5:1 / 14	1.67:1 / 12		1.5:1 / 14		
Impedance	50 Ω								
Polarization	Dual Slant 45° (±45°)								
Horizontal Beamwidth (°)	99	98	84	78	80	77	60	55	64
Vertical Beamwidth (°)	86	82	72	61	74	59	58	48	56
Gain (dBi, max.)	6.7	7.2	6.2	5.8	5.7	6.4	7.6	8.0	7.9
Gain (dBi, avg.)	5.4	5.9	5.0	4.4	5.1	5.7	6.8	6.9	7.1
Front-to-Back Ratio (dB, avg.)	17.5	23.1	19.5	20.6	27.5	24.6	30.1	28.4	30.3
Downtilt	0° FET								
Max Power / Port	50 Watts								
PIM @ 2x43 dBm (max.)	-153 dBc						-145 dBc		

Mechanical Specifications

Operating Temperature	-40° to 158°F (-40° to +70°C)
Antenna Weight	2.5 lbs (1.14 kg)
Antenna Dimension (HxWxD)	10.2" (259 mm) x 8.0" (203 mm) x 3.9" (100 mm)
Radome Material & Color	ASA, UL94-V0 Compliant (White)
Pigtail	Plenum Rated
RoHS	Compliant
Environmental Rating	Indoor/Outdoor

RFD#: 7727; Revision: R1 ; Release Date: May 02, 2022;

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3D Antenna Patterns

617 MHz - P1

788 MHz - P1

894 MHz - P1

617 MHz - P2

788 MHz - P2

894 MHz - P2

1695 MHz - P1

1990 MHz - P1

2690 MHz - P1

1695 MHz - P2

1990 MHz - P2

2690 MHz - P2

3300 MHz - P1

3600 MHz - P1

4000 MHz - P1

3300 MHz - P2

3600 MHz - P2

4000 MHz - P2

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3D Pattern Note:
3D images above denote Z-axis (green) pointed towards ceiling and Y-axis pointing towards front of antenna, which corresponds to 0° in pattern files.

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Antenna Outline

Part Numbers, Ordering Options

Description	Color	Mounting Kit	Part Number
Mini Indoor/Outdoor Directional Panel Antenna w/2x 4.3/10 (F) Rear cable launch	White	Including Wall Mount Bracket	GI1002-07727-112

Mounting Bracket(s):

Mounting Plate Installation (Included)

Attach the mounting plate to the wall. Slide the antenna onto the mounting plate.

Swivel Mounting Bracket (Optional)

The swivel mounting bracket allows the antenna to be articulated +/- 45° in both the horizontal and vertical plane. The bracket can be mounted on a pole or on a wall.

62-29-03

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

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