



Lumos™ 5G Fixed Wireless Access Antenna

Up to 4x4 MIMO High Gain IP67 Antenna

Airgain's high gain 5G fixed wireless access (FWA) antenna is designed to maximize the performance of enterprise routers, indoor FWA devices, customer premises equipment (CPE), and most other cellular-based applications. Lumos also comes with IP67 ingress protection for enhanced outdoor signal quality in virtually any environment.

FEATURES

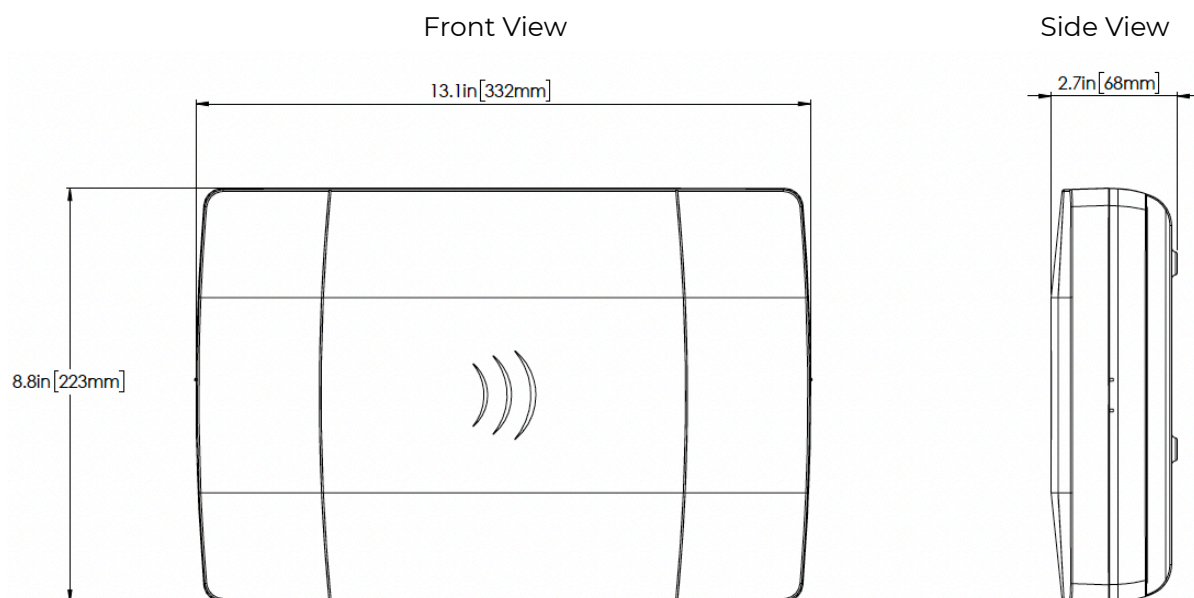
- Up to 4x4 MIMO LTE/5G (617 - 4200 MHz)
- Cross-polarized
- 11 dBi peak gain
- Designed to hide cables behind device
- IP67 ingress protection
- Available in white

ADVANTAGES

- High gain provides better performance
- EZConnect™ cable harness allows for quick and easy customizations
- Adjustable bracket included for mounting to a wall or pole and locking the antenna into desired position
- 5 year limited warranty included¹

¹See terms and conditions at <https://www.airgain.com/product-support/antenna-plus-product-support/>

DIMENSIONS



PART NUMBERS

| CELLULAR ELEMENTS | PART NUMBER *Requires EZConnect Cable Harness | DESCRIPTION |
|-------------------|--|--|
| 4 | AP-LM5G-C4 | EZConnect Antenna with 4x4 MIMO LTE/5G, SMA Male connectors, White, includes Adjustable Mounting Bracket |
| | [z]-C4-1-14 | EZConnect Cable Harness with Cell x 4, SMA Male connectors, 14 feet length |
| 2 | AP-LM5G-C2 | EZConnect Antenna with 2x2 MIMO LTE/5G, SMA Male connectors, White, includes Adjustable Mounting Bracket |
| | [z]-C2-1-14 | EZConnect Cable Harness with Cell x 2, SMA Male connectors, 14 feet length |

| EZConnect CABLE HARNESS [z] | DESCRIPTION |
|-----------------------------|---|
| CH | Inquire to distributor for select SKUs |
| CCH | Custom Cable Harness with cable lengths up to 34 feet, and other variations |

For installation instructions please visit <https://www.airgain.com/installation-and-removal-guides/>.



TECHNICAL SPECIFICATIONS

Performance results are measured in a test chamber and are more reliable than data from software simulations

ELECTRICAL

| | | |
|--------------------------|--------------------|---|
| Frequency Range | Elements 1 up to 4 | 617-960/1700-2700/3300-4200 MHz |
| Operational Bands | Elements 1 up to 4 | LTE/5G |
| Polarization | Elements 1 up to 4 | Cross-polarized $\pm 45^\circ$ |
| Peak Gain | Elements 1 up to 4 | 617-960 MHz, 3.1 dBi (omni-directional) |
| | | 1700-2700 MHz, 8.6 dBi (directional) |
| | | 3300-4200 MHz, 11.1 dBi (directional) |
| Horizontal Beamwidth | Elements 1 up to 4 | 617-960 MHz, N/A (omni-directional) |
| | | 1700-2700 MHz, $70^\circ \pm 15^\circ$ |
| | | 3300-4200 MHz, $65^\circ \pm 10^\circ$ |
| Vertical Beamwidth | Elements 1 up to 4 | 617-960 MHz, N/A (omni-directional) |
| | | 1700-2700 MHz, $40^\circ \pm 10^\circ$ |
| | | 3300-4200 MHz, $27^\circ \pm 5^\circ$ |
| Isolation | Elements 1 up to 4 | >12 dB |
| Average Efficiency | Elements 1 up to 4 | 617-960 MHz, >44% |
| | | 1700-2700 MHz, >48% |
| | | 3300-4200 MHz, >53% |
| Correlation Co-efficient | Elements 1 up to 4 | <0.1 |
| Max Input Power | 2 W | |

ENVIRONMENTAL

| | |
|---------------------------|---|
| Hazardous Substances | RoHS Compliant |
| Temperature | -40°C to 85°C (-40°F to +185°F) Operating and Storage |
| Humidity (Non-Condensing) | 60°C and 95% RH Operating and Storage |
| Water Ingress | IP67 |

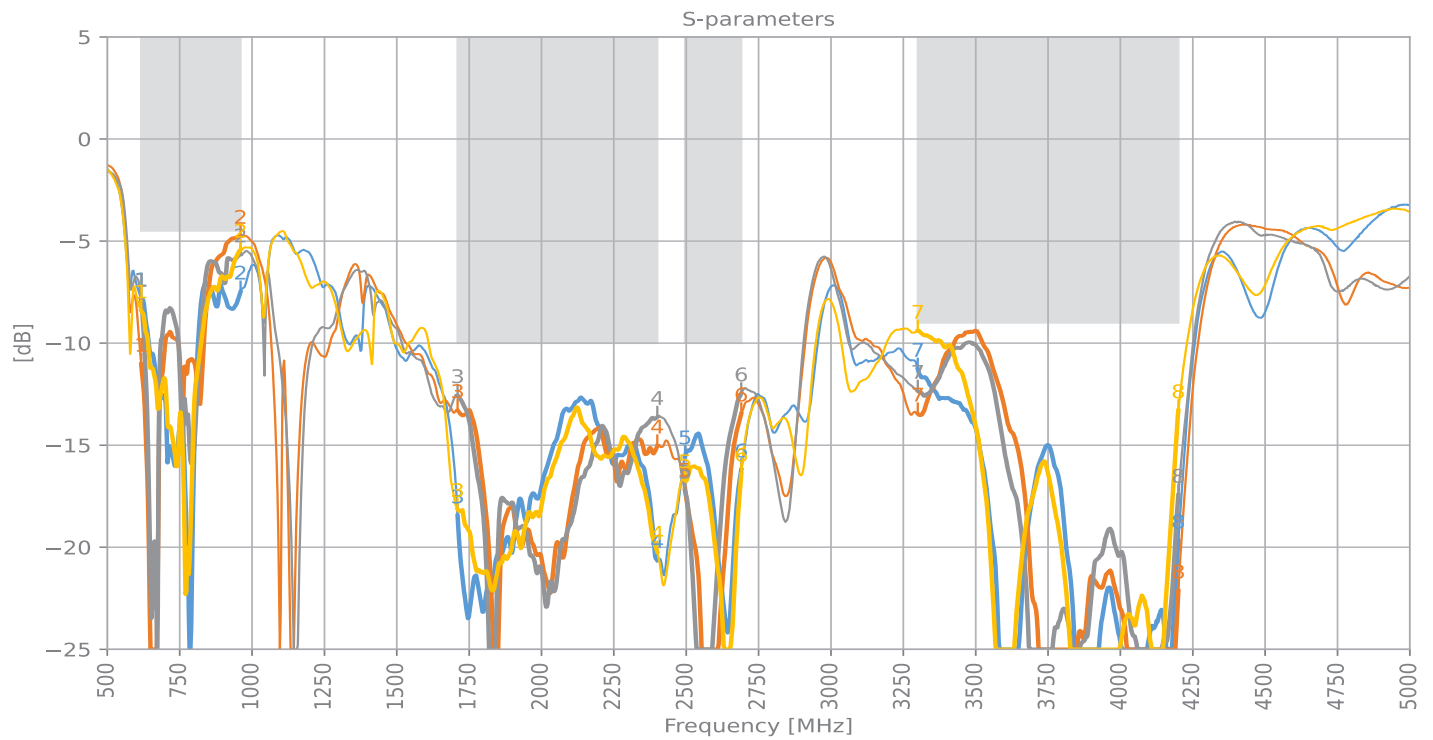
| | |
|---------------------|----------|
| Survival Wind Speed | 250 km/h |
|---------------------|----------|

MECHANICAL

| | | |
|------------|------------------|----------------|
| Dimensions | Height | 8.8" (222.7mm) |
| | Width | 13" (331.9mm) |
| | Thickness | 2.7" (68.0mm) |
| Weight | 2.8 lbs (1.3 kg) | |
| Color | White | |
| Connector | SMA Male | |

Guidance for interpreting the data sheet is available on our website: <https://www.airgain.com/resources/datasheet-term-guide/>

Return Loss of Cell Antennas



Isolation of Cell Antennas

