



# AP-IBR600 MIMO

## The Perfect All-In-One Antenna Solution Designed for the Cradlepoint IBR600 Router



Available colors: Black ☒ or White ☐

**The AP-AER600 MIMO Antenna** is designed specifically for the Cradlepoint AER600 ruggedized router. This low profile housing provides an all-in-one antenna combination including: 2 high gain Cellular/LTE antennas and 2 high gain WiFi antennas (802.11 abgn,ac). This can come with a threaded bolt mount, permanent adhesive mount or magnetic mount; color choices of black or white.

### Key Benefits:

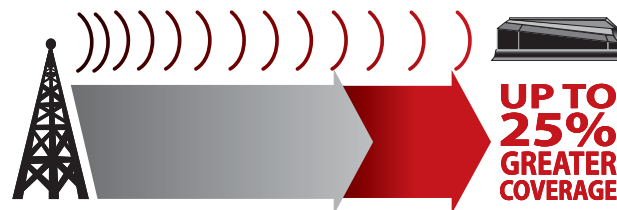
**Faster Data Speeds:** With the AP-AER600 MIMO Antenna, you will get superior Cellular/LTE data throughput speeds with the Multiple-In, Multiple-Out dual antennas. Our double Cellular/LTE antenna design takes advantage of the fastest speeds that the 4G/LTE network offers. Top WiFi speeds are achieved with our Double-WiFi antenna to offload large amounts of data or to push software updates to your computer at your WiFi hotspot.

**Bigger Wireless Footprint:** By using the AP-AER600 MIMO Antenna, you can be farther away from a cell site or WiFi hotspot and still connect; up to 25% more wireless coverage, depending on the geography you travel in.

**One Simple Installation:** All antennas are built into one physical housing so that you only have to drill one hole for a fast and tidy installation. This reduces the need for multiple antennas on top of the vehicle.

**Long Product Life:** Our rugged, low profile design gives you protection against all of the natural hazards a vehicle faces including vibration, hot, cold, ice, salt, dirt, car washes, and tree branch sweeps. Our antennas typically outlast the life of vehicle.

Product	Cell/LTE	WiFi	GPS	Mount	Color
AP-AER600-Q-BL	✓✓	✓✓		Bolt-On	Black
AP-AER600-Q-WH	✓✓	✓✓		Bolt-On	White
AP-AER600-A-BL	✓✓	✓✓		Adhesive	Black
AP-AER600-A-WH	✓✓	✓✓		Adhesive	White
AP-AER600-M-BL	✓✓	✓✓		Magnet	Black



### Airgain, Inc.

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# AP-IBR600 MIMO

## Electrical Specifications

### Frequencies:

Cellular/LTE = 698-2700 MHz

(includes Band 14 LTE)

WiFi = 2.4 & 5 GHz (802.11 a,b,g,n, ac)

**VSWR:** 1.5:1 or less at resonant point

**Gain:** 698-890 MHz: 3 dBi;  
1710-2700 MHz: 4 dBi

### Radiation Pattern:

OMNI Directional

### Polarization:

Vertical

## Mechanical Specifications

### Radome:

Glass Filled Polypropylene

### Cable Length:

15 feet (4.5 m) (Adhesive and Bolt Mount)

10 feet (3 m) (Magnet Mount)

Optional cable length to 35 feet

### Connectors:

Cell/LTE: (2) SMA Male Connectors

WiFi: (2) RP-SMA Male Connectors

## Environmental Specifications

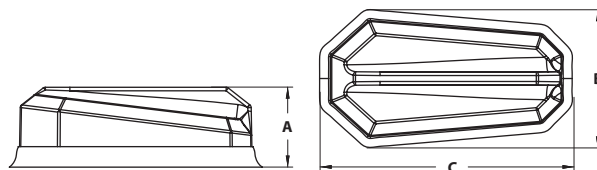
### RoHS Compliant

**Temperature:** - 40 °C to 85 °C (- 40 °F to +185 °F)  
operating and storage

**Humidity:** (non-condensing) - 5% to 95%  
operating and storage

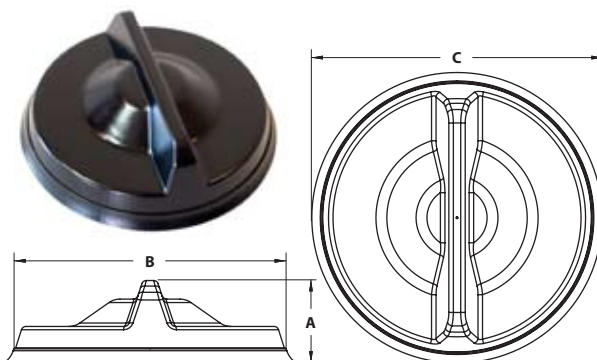
**Military Spec** MIL-STD 810 conformance to thermal,  
mechanical shock, and humidity.

## Dimensions



A	B	C
2.220" (56.4 mm)	3.831" (97.3 mm)	7.000" (177.8 mm)

## Built-in Metal Ground Plane



A	B	C
2.183" (55.5 mm)	7.074" (179.7 mm)	7.650" (194.3 mm)

## Mounting Styles



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