

# AP-IBR600 MIMO

## ANTENNA

AP-IBR600

**MIMO**  
Multiple In  
Multiple Out

*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:

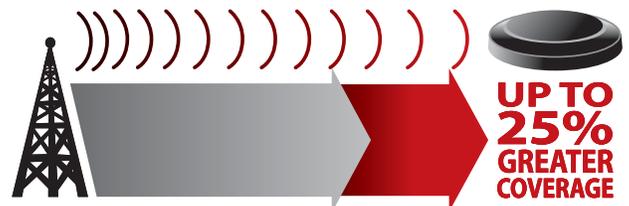
**Faster Data Speeds:** With the AP-AER600 MIMO Antenna, you will get superior Cellular/LTE data throughput speeds with the Multiple-In, Multiple-Out dual antennas. Our double Cellular/LTE antenna design takes advantage of the fastest speeds that the 4G/LTE network offers. Top WiFi speeds are achieved 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 |



### Antenna Plus LLC

8350 E. Evans Road, Suite D-2, Scottsdale, AZ 85260  
Phone: 480.657.7354 - Fax: 480.657.0204 - orders@antennaplus.com

Copyright 2016 Antenna Plus LLC : Version 3c (05/03/16)

**ANTENNAPLUS**  
www.antennaplus.com

# AP-IBR600 MIMO

## Electrical Specifications

### Frequencies:

Cellular/LTE = 824-896 MHz; 1850-1995 MHz;  
698-798 MHz; 1710-1770 MHz;  
2110-2170 MHz; 2570-2620 MHz  
WiFi = 2.4 & 5 GHz (802.11 a,b,g,n, ac)

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

**Gain:** 698-896 MHz: 3 dBi  
1710-2620 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

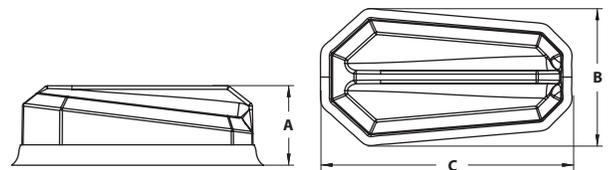
## Environmental Specifications

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

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

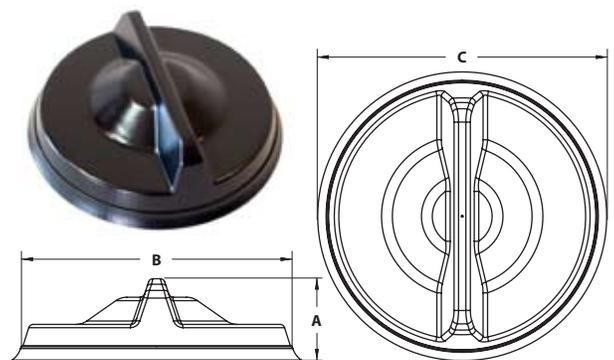
**Military Spec** MIL-STD 810 conformance to thermal,  
mechanical shock, and humidity.

## Dimensions



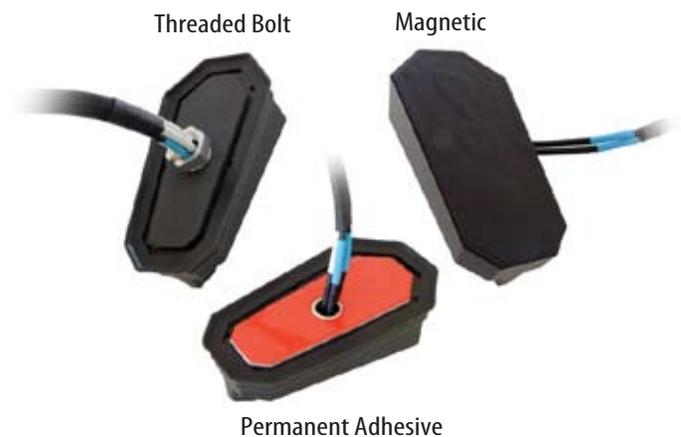
| A                | B                | C                 |
|------------------|------------------|-------------------|
| 2.220" (56.4 mm) | 3.831" (97.3 mm) | 7.000" (177.8 mm) |

## 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



## Antenna Plus LLC

8350 E. Evans Road, Suite D-2, Scottsdale, AZ 85260  
Phone: 480.657.7354 - Fax: 480.657.0204 - orders@antennaplus.com

Copyright 2016 Antenna Plus LLC. Version 3c (05/03/16)

**ANTENNAPLUS**  
www.antennaplus.com

Copyright 2016 Antenna Plus LLC. Version 3c (05/03/16)