

# AP-QUADM MODE COMBO ANTENNA

AP85/18/24/GPS

## Seamless Integration to Wireless Technologies

The **AP-QuadMode Combo Antenna** is the low profile Cellular/PCS + WiFi + GPS combination external antenna. Everything is in the one housing, reducing the need for multiple antennas and holes being drilled.

### Key Benefits:

#### **Better Cellular/PCS & WiFi Reception**

By using the AP-QuadMode Combo, the wireless signal is optimized, getting the signal outside of the vehicle

#### **Bigger Wireless Footprint**

AP-QuadMode Combo provides up to 25% more wireless coverage, depending on the geography you travel in.

#### **Faster Data Speeds**

Better reception translates to faster speeds. The data gets through the first time, correctly. WiFi speeds are especially sensitive to signal strength.

#### **Long Product Life — Low Profile Design**

The AP-QuadMode Combo Antenna is very durable and stands only 1¼ inches high. It withstands all of the natural elements, car washes, and being swept by tree branches.

#### **One Simple Installation**

The AP-QuadMode Combo Antenna has all of the antennas in the one housing. This means you only have one hole to drill and one installation effort.

**Connects to All Major Brands of Wireless Data Cards with external antenna ports: AirCard 881, USB Connect Mercury, Option GT Ultra, GT Ultra Express, USB760, UM175 USB, PC5750\*, PC770 Express, UMW190, AD3700 Global USB, USB100, AirCard 402, AirCard 597E, AirCard 598U, Ovation U760, Merlin C777, EC360, KPC680 and all older wireless data cards with external antenna ports**  
(\* With adapter cable from Verizon)



Adhesive mount shown.  
Available colors: Black or White

**Docking Stations:** Havis LEDCO, Gamber Johnston, Panasonic, PMT, Kodiak

**Wireless Trunk and Mobile Access Routers from:** Sierra Wireless, AirLink, BlueTree Wireless, Utility Associates, Junxion, Cisco MAR, and many others

### Extra coverage gained with the AP-QuadMode Antenna



Antenna Plus LLC  
9458 E Sunnyside Dr. - Scottsdale, AZ 85260  
Phone: 480-657-7354 - Fax: 480-657-0204 - orders@antennaplus.com

**ANTENNA PLUS**  
www.antennaplus.com

# AP-QUAD MODE ANTENNA

(AP85/18/24/GPS)

## QuadMode Antenna

### Electrical Specifications

#### Frequencies:

- F1 = 824-896 MHz
- F2 = 1850-1995 MHz
- F3 = 2400-2484 MHz
- F4 = 1575.42 MHz

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

**Gain:** 3.0 dB

#### Radiation Pattern:

- OMNI Directional
- Hemispherical (GPS)

#### Polarization:

- Vertical

### Mechanical Specifications

#### Radome:

- Glass Filled Polypropylene

#### Cable Length:

- 15 feet (4.5 m) (Adhesive Mount)
- 10 feet (3 m) (Magnetic Mount)

#### Connectors:

- Contact factory for connector options.

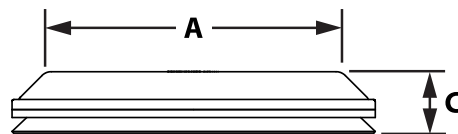
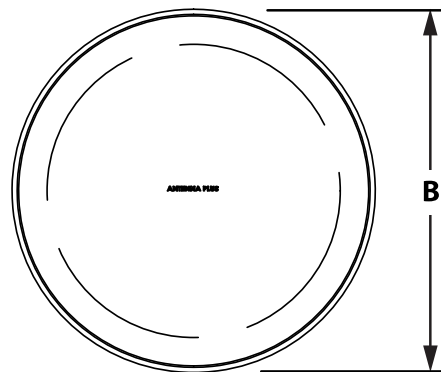
### GPS Antenna Specifications

- Center Frequency . . . 1575.42 MHz
- Gain . . . . . 30 dB min.
- Polarization . . . . . R.H.C.P.  
Right Hand Circular Polarization
- Noise Figure . . . . . 2.0 max.
- Arial Ratio . . . . . 3 dB max.
- Bandwidth . . . . . 2 MHz min.
- VSWR . . . . . 2.0 max.
- Output Impedance . . . 50 Ohms
- Voltage . . . . . 3-5 Volts
- Current . . . . . 15 mA (max)

### Environmental Specifications

- MIL-STD- 461 : EMI protection
- MIL-STD-810F rev 514.5: Vibrations
- MIL-STD-810F 501.4, 502.4: Extreme temperatures
- MIL-STD-810F 507.4: Humidity
- IEC 68-2-52: Salt
- MIL STD-810F, rev 516.5: Impacts
- Enclosure will resist to petroleum products

### Dimensions



Mount	Adhesive or Bolt
A	5.5 in (140 mm)
B	6.9 in (175 mm)
C	1.3 in (33 mm)