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Cellular, LTE, & GPS Combo Antenna



AP-Cell/LTE/GPS Antenna is the low profile, high gain external antenna for use with 3G/4G wireless data modems. It is typically used by mobile road warriors (sales, field service, public safety) who travel extensively, and need connectivity wherever they go.

Key Benefits:

Faster Data Speeds. LTE brings super fast data speeds and the AP-Cell/LTE/GPS antenna gives you better reception. Greater speed and reception means the data gets through the first time, correctly.

Bigger Wireless Footprint

AP-Cell/LTE/GPS Antenna provides up to 25% more wireless coverage, depending on the geography you travel in.

Long Product Life — Low Profile Design.

The AP-Cell/LTE/GPS Antenna stands only 1-3/4 inches high. It withstands all of the natural elements, car washes, and being swept by tree branches.

Small and Portable: AP-Cell/LTE/GPS Antenna in threaded bolt mount.

Connects to 3G/4G wireless data modems with antenna ports for Cellular/LTE and GPS.

AP-CELL/LTE/GPS

Electrical Specifications

Frequencies:

Cellular/LTE = 824-896 MHz; 1850-1995 MHz;

698-798 MHz; 1710-1770 MHz;

2110-2170 MHz; 2570-2620 MHz

GPS = 1575.42 MHz

VSWR: 1.5:1 or less at resonant point

Gain: 3.0 dBi

Radiation Pattern:

OMNI Directional

Polarization:

Vertical

Mechanical Specifications

Radome:

Glass Filled Polypropylene

Cable Length:

15 feet (4.5 m) (Bolt Mount)

Connectors:

All standard RF connectors are available

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.

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.

Aerial Ratio 3 dB max.

Bandwidth 2 MHz min.

VSWR 2.0 max.

Output Impedance . . . 50 Ohms

Voltage 3-5 Volts

Current 15 mA (max)

A B

4.38 in (111 mm) 1.77 in (45 mm)

Dimensions - AP-CG

Mounting Styles

Threaded Bolt