

AP-QUAD MODE 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.

Antenna Plus Connects to:

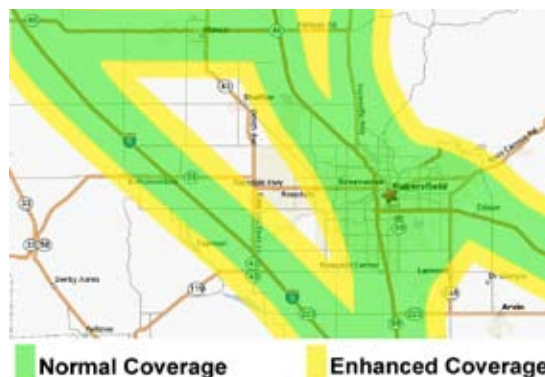
The AP-QuadMode combo antenna is compatible with and designed to connect to the Havis Ledco DS.XFR. RF Docking station for the Dell™ Latitude™ E6400 XFR Notebook.

Available colors: Black or White



Threaded Bolt Mount Shown

Extra coverage gained with the AP-QuadMode Antenna



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(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 (Adhesive Mount)
- 10 feet (Magnetic Mount)

Connectors:

- Cellular, GPS and WiFi each have a TNC Male Connector.

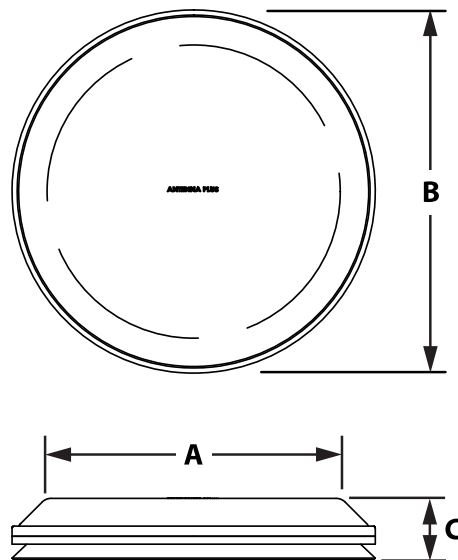
GPS Antenna Specifications

- 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

AP Quad Mode Dimensions
(AP85/18/24/GPS)



Mount	Adhesive or Bolt
A	5.5 in
B	6.9 in
C	1.3 in