

AP-WiFi ANTENNA

AP24

Go Faster and Further

The AP-WiFi Antenna is our external WiFi antenna. It is the ideal solution for customers who have vehicle based solutions and need the best WiFi connectivity from the vehicle to reach their corporate access nodes, or extend the ability to communicate with the vehicle in a peer-to-peer situation with greater distance.

Key Benefits:

Bigger WiFi Wireless Footprint Around the Vehicle: The WiFi antenna is outside of the vehicle, therefore there is no shielding from the car - this can typically negatively impact signal strength by 10-15 dBm.

High Gain Antenna that provides an incremental 4.5 dB gain of performance. All of these factors combined can increase the local coverage of the WiFi signal by 25-50%.

Fastest WiFi Data Throughput Speeds

The 802.11 technology is very sensitive to signal strength. With a good connection, speeds are very fast. But if the signal drops off, the data throughput goes down rapidly. In ideal situations, speeds up to 54 Mbps can be achieved with a signal strength of -68 dBm. But, at -90 dBm, speeds back off to less than 4 Mbps. Therefore, it is very important to have a very good connection to the network.

Simple Integration to Vehicle Computing Station

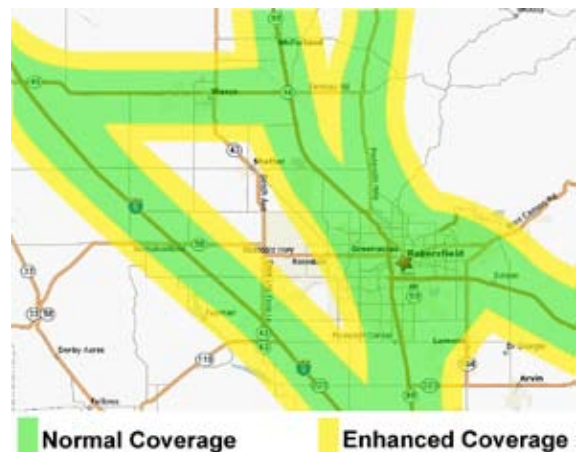
Long Product Life — Low Profile Design

The AP-Wifi Antenna has a low profile design. It withstands all of the natural elements, car washes, and being swept by tree branches.



Adhesive or Magnet Mount Option
Adhesive Mount shown
Colors: Black or White

Extra coverage gained with the AP-WiFi Antenna



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Mobile WiFi Antenna

Electrical Specifications

Frequencies:

F1 = 2400-2484 MHz

VSWR: 1.5:1 or less at resonant point

Gain: 4.5 dB

Radiation Pattern:

OMNI Directional

Polarization:

Vertical

Mechanical Specifications

Radome:

Glass Filled Polypropylene

Cable Length:

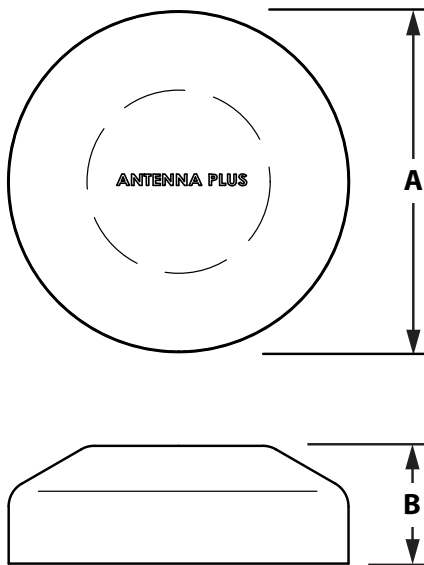
15 feet (4.5 m) (Adhesive Mount)

10 feet (3 m) (Magnetic Mount)

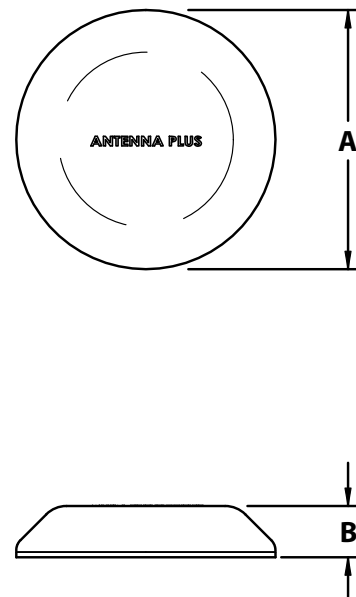
Connectors:

Contact factory for connector options.

AP-WiFi Dimensions
(AP24-M)
Magnet Mount



AP-WiFi Dimensions
(AP24)
Adhesive Mount



Mount	Magnet Mt.	Adhesive Mt.
A	3.2 in	2.3 in.
B	1.3 in	.45 in.