



Surface Mount, Spring Mount WiFi 2.4-2.5 GHz & 5.0-6.0 GHz

- Magnetic Mount and Spring Mount
- Ground plane independent designs can be used on any surface
- Elevated Feed spring mount versions provide additional clearance for light bars

Mobile Mark's ECO Mobile series are high frequency antennas designed for new WiFi technology applications.

These antennas are free space designs and ground plane independent. High gain coupled with low loss cable compensates for the losses that occur at higher bands.

All antennas use low loss -195 cable to improve efficiency. The vertical radomes are black fiberglass with an ASA base assembly. All antennas are weatherproof.

The magnetic mount models have a 2.6" (66 mm) base, and use a strong commercial magnet. They provide a scratch resistant covering on the bottom. The cable exits out of the side of the base.

The ECOS have the radiating element located higher in a longer radome, providing higher clearance for lightbars on police vehicles.

The spring on the ECOS model is strong and flexible enough to handle impact with obstacles such as tree branches overhead in a vehicle mounted application.

Cable assemblies from Mobile Mark for the ECOS are sold separately, however they can be added to the order at the time of purchase.

| Model # | Frequency | Gain |
|--|---------------|-------|
| Magnetic Mount Models | | |
| ECOM5-2400-BLK-120 | 2.4 - 2.5 GHz | 5 dBi |
| ECOM8-2400-BLK-120 | 2.4 - 2.5 GHz | 8 dBi |
| ECOM6-5500-BLK-120 | 5.0 - 6.0 GHz | 6 dBi |
| ECOM9-5500-BLK-120 | 5.0 - 6.0 GHz | 9 dBi |
| Spring Mount Models | | |
| ECOS5-2400DN-BLK | 2.4 - 2.5 GHz | 5 dBi |
| ECOS8-2400DN-BLK | 2.4 - 2.5 GHz | 8 dBi |
| ECOS6-5500DN-BLK | 5.0 - 6.0 GHz | 6 dBi |
| ECOS9-5500DN-BLK | 5.0 - 6.0 GHz | 9 dBi |
| Models above are available in Black Only | | |

| Specifications | | | |
|---------------------|--|--------------------|--------------------------------------|
| Frequency: | See above | Base/Mount: | ASA plastic & steel |
| Gain: | See above | MAG Base Size: | 2.6" D (66 mm) |
| VSWR: | 2:1 over band | Cable Length/type: | 10 ft of LL-195 (3 meters) |
| Impedance: | 50 Ohm nominal | Mag Mounts | |
| Maximum Power: | 10 Watts | Connector: | SMA Plug (Male), standard |
| Operating Temp: | -40° to +80° C | ECOS | Direct N |
| Radome: | Black Fiberglass | Mount: | |
| Wind Survivability: | | ECOM | Magnet mount |
| ECOM | 100 mph (161 kph) with 1/2" (1.3cm) radial ice | ECOS | To surfaces up to 1/4" thick (.64cm) |
| ECOS | 125 mph (201 kph) with 1/2" (1.3cm) radial ice | | |