



**ECOM**  
Magnet Mount



**ECOS**  
Spring Mount

Mobile Mark's ECO Mobile series are high frequency antennas designed for new technology applications in WiMAX or LTE at 2.5-2.7 GHz bands or WiMAX at 3.4-3.7 GHz.

These antennas are available in two styles: Magnet Mount and Spring mount. The Magnet Mount provides a mounting solution that allows them to be used as Mobile Antennas. The Spring Mount maintains vertical position at all speeds, but will deflect if hit by an obstruction.

The ECOM magnetic mount models have a 2.6" (6.6 cm) 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 magnet mounts use low loss -195 cable to improve efficiency. The vertical radomes are black fiberglass with an ASA base assembly. All antennas are weatherproof.

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

## Heavy Duty Mobile Antennas LTE/WiMAX 2.5 & 3.5 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

The spring on the ECOS model is strong and flexible enough to handle the impact with obstacles such as tree branches over-head 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 #	Gain	Height
<b><u>Magnetic Mount Models</u></b>		
ECOM6-2600-BLK-120	6 dBi	11.87"/30.15cm
ECOM6-3500-BLK-120	6 dBi	11.87"/30.15cm
<b><u>Spring Mount Models</u></b>		
ECOS6-2600DN-BLK	6 dBi	16.3"/41cm
ECOS6-3500DN-BLK	6 dBi	16.3"/41cm
Cable assemblies sold separately		

Specifications			
2600 Series Frequency:	2.5-2.7 GHz	Base/Mount:	ASA plastic & steel
3500 Series Frequency:	3.4-3.7 GHz	MAG Base Size:	2.6" D (6.6 cm)
Gain:	6 dBi	Cable Length/type:	Mag Mounts 10 ft of LL-195 (3 m)
VSWR:	2:1 over band	Connector:	ECOM SMA Plug (Male), standard ECOS Direct N
Impedance:	50 Ohm nominal	Mount:	ECOM Magnet mount ECOS Surface mounts up to 1/4" thick (.64cm)
Maximum Power:	10 Watts		
Operating Temp:	-40° to +80° C		
Radome:	Black Fiberglass		
Wind Survivability:			
ECOM	100 mph (160 kph) with 1/2" (1.3 cm) radial ice		
ECOS	125 mph (201 kph) with 1/2" (1.3cm) radial ice		