



ECOM
 Magnet Mount

ECOS
 Spring Mount

Surface Mount Public Safety 4.9 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 omni-directional antennas designed for fixed and mobile Public Safety applications using the 4.9 GHz band (4940-4990 Mhz).

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.

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.

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

The mag-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 spring mount antennas can be paired with low loss cable assemblies plugged into the Direct N Jack to complete the connection.

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.

Model #	Gain	Height
<u>Magnetic Mount Models</u>		
ECOM6-4900-BLK-120	6 dBi	9.87"/25cm
ECOM9-4900-BLK-120	9 dBi	14"/35.56cm
<u>Spring Mount Models</u>		
ECOS6-4900DN-BLK	6 dBi	12.5"/32cm
ECOS9-4900DN-BLK	9 dBi	16.3"/41cm
Models above are available in Black Only		

Specifications			
Frequency:	4.9-5.0 GHz	Base/Mount:	ASA plastic & steel
Gain:	6 or 9 dBi	MAG Base Size:	2.6" D (66 mm)
VSWR:	2:1 over band	Cable Length/type:	
Impedance:	50 Ohm nominal	Mag Mounts	10 ft of LL-195 (3 meters)
Maximum Power:	10 Watts	Connector:	
Operating Temp:	-40° to +80° C	ECOM	SMA Plug (Male), standard
Radome:	Black Fiberglass	ECOS	Direct N
Wind Survivability:		Mount:	
ECOM	100 mph (161 kph) with 1/2" (1.27 cm) radial ice	ECOM	Magnet mount
ECOS	125 mph (201 kph) with 1/2" (1.27cm) radial ice	ECOS	Surface mounts up to 1/4" thick (.64cm)