



Spring Mounted
Mobile



CA Series
Cable Assemblies



Trunk Lid
Mount

Mobile Mark's spring mounted ECO Mobile Series can be used for WiMAX 2.5 or 3.5 GHz.

The spring maintains vertical position at all speeds, but will deflect if hit by an obstruction. High gain coupled with low loss cable compensates for the losses that occur at higher bands. These models terminate on the bottom with an SMA Female connector. The cable assembly is ordered separately with the appropriate radio connector.

The ECO Spring mount antennas allow easy insertion to a vehicle or bulkhead. A 1 inch hole (2.54 cm) is required for mounting. The base of the antenna has a locking collar, the internal portion is tilt-in. This internal portion has teeth that secure the inside as the external locking collar is tightened down. The collar is outfitted with an O-ring, and has flats for securing with a wrench. The cable assembly can typically be inserted from the top side, easing installation.

Antennas use low loss RF-195 cable to improve efficiency. The vertical radomes are black or white fiberglass with an ABS base assembly. All antennas are weatherproof. These antennas are ground plane independent.

Surface Mount Spring Mount WiMAX 2.5 & 3.5 GHz

- Integral spring provides strength at speed, provides flex for overhead obstructions
- Ground plane independent designs can be used on any surface.
- Available in models with 6 dBi gain
- Separate cable assemblies allow choice of cable length and connector type.

Model #	Frequency	Gain
Spring Mount Omni Models		
ECOS6-2600-BLK	2.5-2.7 GHz	6 dBi
ECOS6-3500-BLK	3.4-3.7 GHz	6 dBi
Color options available for above models		
WHT-White or BLK-Black		
Mating Cable Assemblies		
Model #	Length	End Connector
CA180/195-CS	15 ft (4.6 m)	SMA Plug (Male)
CA240/195-CS	20 ft (6.1m)	SMA Plug (Male)
CA180/195-XS	15 ft (4.6 m)	N Plug (Male)
CA240/195-XS	20 ft (6.1m)	N Plug (Male)
CA180/195-JS	15 ft (4.6 m)	Rev Pol SMA Pug
CA240/195-JS	20 ft (6.1m)	Rev Pol SMA Plug
Cable assemblies are pre-terminated with right angle SMA for connection to the antenna, and the desired end connector indicated above. Cables are low loss Belden RF-195 or equivalent.		

Specifications

Frequency:	2.5-2.7 or 3.4-3.7 GHz
Gain:	6 dBi
VSWR	2:1 over band
Impedance:	50 Ohm nominal
Maximum Power:	10 Watts
Operating Temp:	-40° to +85° C
Radome:	Black or white Fiberglass
Base/Mount:	Brass chrome plated
Mounting Depth:	1/4" thick surface (6.3 mm)
Base Dimension:	1.5" Diameter (38 mm)
Spring:	Heavy duty Stainless Steel, 3/4" diameter (19 mm)

Height	2.5-2.7 GHz 3.4-3.7 GHz	16.3 in/41 cm 16.3 in/41 cm
Termination:	SMA Female on bottom	
Weight:	Under 1 lb (0.45 kg) all models, not including cable assembly	
Mounting:	Top mount assembly, "tilt-in" with internal teeth & locking ring	
Cable Assemblies:	RF-195, with Right angle SMA for the antenna	