



ECO Series 2.4-5 GHz Models
with N Jack (female)



Recessed N Plug (male)

Broadband, Omni-directional WiMAX 2.5 & 3.5 GHz Systems

- Gain configurations from 6 and 9 dBi
- Economical, weatherproof and durable design for both indoors and outdoors
- Standard mounting kit includes all hardware
- Pigtail cable option; use standard mount or hole mount with the 3/4-20 threaded stud

Mobile Mark's ECO Omni-directional antennas are designed for all new data & broadband systems, including WiMAX systems at both 2.5 & 3.5 GHz. Using the latest PCB technology, these antennas improve high-speed broadband system performance in an economical package.

The ECO Series are free space antennas; no ground plane is required. Standard hardware includes pole/wall mount.

The antenna element is enclosed in a tough white or black fiberglass radome. The antenna typically terminates with an integrated N-jack (Female) connector.

The ECO Series can be ordered with a pigtail cable option which can provide a direct coax connection from the antenna to the modem. Add a "PT" to the end of the antenna model to indicate the "Pigtail" option.

The PT models can be outfitted with a variety of connectors, such as Reverse Polarity TNC or SMA. The cable pigtail is typically 1-foot (0.3 m) in length.

For direct male N mounting, series "RN" can be chosen.

These antennas can withstand the harshest outdoor environments, yet are quite attractive for indoor use. The antennas are supplied with hardware for pole or surface mount.

Custom cable assemblies are available.

Model #	Description	Frequency
ECO6-2600-WHT	6 dBi Omni	2.5 - 2.7 GHz
ECO9-2600-WHT	9 dBi Omni	2.5 - 2.7 GHz
ECO6-3500-WHT	6 dBi Omni	3.4 - 3.7 GHz
ECO9-3500-WHT	9 dBi Omni	3.4 - 3.7 GHz
add "PT"	Pigtail Cable Option with N Male	
add "RN"	Direct mount version with N Male	

Color options available for above models
WHT-White or BLK-Black

Specifications	
Frequency/Gain:	2.5 & 3.5 GHz
VSWR:	2:1 max over range
Impedance:	50 Ohm nominal
Max Power:	25 Watts
ECO6 Beamwidth:	25° El, 360° Az
ECO9 Beamwidth:	12° El, 360° Az
Operating Temp:	-40° to +85° C
Lightning Protection:	External recommended
Max Wind Velocity:	125+ mph (193 kph)
Material:	White or black fiberglass
Weight:	<0.75 lbs (< 0.340 kg)
Antenna Diameter:	0.63 in (1.6 cm) Radome, 0.9 in (2.3 cm) at the base
Mounting:	Pole or surface mount, mounts up to 2" (5cm) Includes S.S. saddle
Antenna Length:	
ECO6-2600	14 in (35.6 cm)
ECO9-2600	23 in (58.4 cm)
ECO6-3500	14 in (35.6 cm)
ECO9-3500	18 in (45.7 cm)
PT versions	3/4" (1.9 cm) longer than standard
RN Versions	5/8" (1.6 cm) longer than standard
Connector:	N Jack (Female) standard
RN Option:	Recessed N Plug (Male)
PT Pigtail Option:	1ft RF-195 cable (0.3 m) with N Male
Shock & Vibration:	EN 61373, EN 300 019-2-4, MIL 810G, IEC 60068, IEEE 1478
Water Ingress	IPx5