



**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	
<u>Color options available for above models</u> WHT-White or BLK-Black		

Specifications			
Frequency/Gain:	2.5 & 3.5 GHz	Antenna Length:	
VSWR:	2:1 max over range	ECO6-2600	14 in (35.6 cm)
Impedance:	50 Ohm nominal	ECO9-2600	23 in (58.4 cm)
Max Power:	25 Watts	ECO6-3500	14 in (35.6 cm)
ECO6 Beamwidth:	25° El, 360° Az	ECO9-3500	18 in (45.7 cm)
ECO9 Beamwidth:	12° El, 360° Az	PT versions	3/4" (1.9 cm)
Operating Temp:	-40° to +85° C		longer than standard
Lightning Protection:	External recommended	RN Versions	5/8" (1.6 cm)
Max Wind Velocity:	125+ mph (193 kph)		longer than standard
Material:	White or black fiberglass	Connector:	N Jack (Female) standard
Weight:	<0.75 lbs (< 0.340 kg)	RN Option:	Recessed N Plug (Male)
Antenna Diameter:	0.63 in (1.6 cm) Radome, 0.9 in (2.3 cm) at the base	PT Pigtail Option:	1ft RF-195 cable (0.3 m) with N Male
Mounting:	Pole or surface mount, mounts up to 2" (5.1 cm) Includes S.S. saddle	Shock & Vibration:	EN 61373, EN 300 019-2-4, MIL 810G, IEC 60068, IEEE 1478
		Water Ingress	IPx5