



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



**Recessed N
Plug (Male)**

Mobile Mark's ECO Omni antennas are designed for all new data & broadband systems, including WiFi 802.11 systems. 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 terminates with an integrated N-female. A "PT" pigtail cable option also provides a direct coax into the antenna and can be outfitted with a variety of connectors, such as Reverse Polarity TNC or SMA. 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.

Broadband, Omni-directional WiFi 2.4 & 5 GHz Systems

- Gain configurations from 5 dBi to 12 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

Model #	Gain	Frequency
ECO5-2400-WHT	5 dBi Omni	2.4 - 2.5 GHz
ECO8-2400-WHT	8 dBi Omni	2.4 - 2.5 GHz
ECO6-5500-WHT	6 dBi Omni	5.0 - 6.0 GHz
ECO9-5500-WHT	9 dBi Omni	5.0 - 6.0 GHz
ECO12-5800-WHT	12 dBi Omni	5.7 - 6.0 GHz
add "PT"	Pigtail Cable Option with N Male Direct mount version with N Male *Note: "RN" does not include mounting hardware	
add "RN"		
<u>Color options available for above models</u> WHT-White or BLK-Black		

Specifications			
Frequency/Gain:	2.4 or 5-6 Ghz	Mounting:	Pole or surface mount, mounts up to 2" (5.1 cm) Includes S.S. saddle
Gain	5-12 dBi (depending on model)	Antenna Length:	
VSWR:	2:1 max over range	ECO5-2400	14 in (35.6 cm)
Impedance:	50 Ohm nominal	ECO8-2400	23 in (58.4 cm)
Max Power:	25 Watts	ECO6-5500	10 in (25.4 cm)
Beamwidth:		ECO9-5500	14 in (35.6 cm)
ECO5	30° El, 360° Az	ECO12-5800	18 in (45.7 cm)
ECO6	25° El, 360° Az	PT versions	3/4" (1.9 cm) longer than standard lengths
ECO8	12° El, 360° Az	RN versions	5/8" (1.6 cm) longer than standard lengths
ECO9	12° El, 360° Az	Connector:	N Jack (Female) standard
ECO12	7° El, 360° Az	PT Pigtail Option:	1ft RF-195 cable (30 cm) with N Male
Operating Temp:	-40° to +85° C	RN Option:	Recessed N Plug (Male)
Lightning Protection:	External recommended	Shock & Vibration:	EN 61373, EN 300 019-2-4, MIL 810G, IEC 60068, IEEE 1478
Max Wind Velocity:	125+ mph (193 kph)	Water Ingress	IPx5
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		