



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



Recessed N Plug  
(Male)

## 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

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.

### Model Numbers

Model	Description	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  
add "RN" Direct mount version with N Male

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

### Specifications

<b>Frequency/Gain:</b>	2.4 & 5 Ghz	<b>Mounting:</b>	Pole or surface mount, mounts up to 2" (5cm) Includes S.S. saddle
<b>VSWR:</b>	2:1 max over range	<b>Antenna Length:</b>	
<b>Impedance:</b>	50 Ohm nominal	ECO5-2400	14 in (35.6 cm)
<b>Max Power:</b>	25 Watts	ECO8-2400	23 in (58.4 cm)
<b>Beamwidth:</b>		ECO6-5500	10 in (25.4 cm)
ECO5	30° EI, 360° Az	ECO9-5500	14 in (35.6 cm)
ECO6	25° EI, 360° Az	ECO12-5800	18 in (45.7 cm)
ECO8	12° EI, 360° Az	PT versions	¾" longer than standard lengths
ECO9	12° EI, 360° Az	RN Versions	¾" longer than standard lengths
ECO12	7° EI, 360° Az	<b>Connector:</b>	N Jack (Female) standard
<b>Operating Temp:</b>	-40° to +85° C	<b>PT Pigtail Option:</b>	1ft cable (0.3 m) with N Male
<b>Lightning Protection:</b>	External recommended	<b>RN Option:</b>	Recessed N Plug (Male)
<b>Max Wind Velocity:</b>	125+ mph (200 kph)	<b>Shock &amp; Vibration:</b>	EN 61373, EN 300 019-2-4, MIL 810G IEC 60068, IEEE 1478
<b>Material:</b>	White or black fiberglass		
<b>Weight:</b>	<0.75 lbs (< 0.340 kg)		
<b>Antenna Diameter:</b>	0.63 in (1.6 cm) Radome, 0.9 in (2.3 cm) at the base		