



ECO Series Dual Band  
 shown with standard  
 Pole/wall mount

## Omni-directional Dualband 2.4 & 5.0 GHz WiFi

- Gain configuration of 5 dBi for both bands (802.11 compatible)
- Economical, weatherproof and durable design for both indoors and outdoors
- No groundplane required

Today's WiFi networks work twice as hard, and Mobile Mark's dual-band omni-directional site antennas are designed to help. Using PCB technology, these antennas improve high-speed broadband system performance in an economical package.

The ECO Series are free space antennas; no groundplane is required.

The antenna element is enclosed in a tough white or black fiberglass radome. The low profile radome is only 0.63 inches (1.6 cm) diameter, and 0.9 in (2.3 cm) at the base.

The standard antenna terminates with an integrated N-female. The standard mount configuration includes a pole/wall mount, which includes U Bolt. The mount also has flanges for near flush wall mounting.

The units have a threaded ferrule and lock nut. The units provide a direct coax into the antenna and can be outfitted with a variety of connectors, such as Reverse Polarity TNC or SMA.

For direct N mounting, the "RN" Series is built with a recessed "N" Plug (Male) connector.

This model would be attached directly to an N female on an access point or any bulkhead.

These antennas can withstand the harshest outdoor environments, yet are quite attractive for indoor use.

Model	Description
ECO5-2400/5500-WHT	N Jack (female)
ECO5-2400/5500RN-WHT	Recessed N Plug (male)
<u>Color options available for above models</u> WHT-White or BLK-Black	

Specifications			
Frequency:	2.4 - 2.5 GHz & 5.150 - 5.925 GHz	Antenna Length:	9" (22.9 cm)
Gain:	5 dBi both bands	Standard	9 3/4" (24.8 cm)
VSWR:	2:1 max over band	PT-Pigtail version	9 5/8" (24.4 cm)
Impedance:	50 Ohm nominal	RN Option	
Max Power:	25 Watts	Mounting (standard):	Direct N Jack, Pole or Wall (mounts up to 2" OD. Pipe (5 cm) includes SS saddle
Beamwidth:	30° El, 360° Az	Mounting "RN" Option:	Recessed N Male, mounts to N female
Operating Temp:	-40° to +85° C	Shock & Vibration:	EN 300 019-2-4, IEC 60068
Lightning Protection:	External recommended	Water Ingress	IPx5
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		