



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.

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

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

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

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.

| 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: | Standard 9" (22.9 cm) PT-Pigtail version 9 3/4" (24.8 cm) RN Option 9 5/8" (24.4 cm) |
| Gain: | 5 dBi both bands | Mounting (standard): | Direct N Jack, Pole or Wall (mounts up to 2" OD. Pipe (5 cm) includes SS saddle |
| VSWR: | 2:1 max over band | Mounting "RN" Option: | Recessed N Male, mounts to N female |
| Impedance: | 50 Ohm nominal | Shock & Vibration: | EN 300 019-2-4, IEC 60068 |
| Max Power: | 25 Watts | Water Ingress | IPx5 |
| Beamwidth: | 30° EI, 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 | | |