



ECO Series Dual Band shown with standard Pole/wall mount



"PT" pigtail cable option for all models

Omni-directional Dualband 2.4 & 5.0 GHz WiFi

- Gain configuration of 5 dBi for both bands (802.11 a/b/g/n compatible)
- Economical, weatherproof and durable design for both indoors and outdoors
- Standard mounting kit includes all hardware needed for pole or wall mount
- Pigtail cable option; use standard mount or hole mount with the stud & lock nut

Today's WiFi networks work twice as hard, and Mobile Mark's new dual-band omni-directional site antennas are designed to help. 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.

The antenna element is enclosed in a tough white 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 "PT" pigtail cable style provide three mounting options. They can be either Pole mounted, wall mounted or hole mounted.

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. The "PT" Versions normally terminate with 1 ft RF-195 cable and N female. Different cable lengths can also be provided.

For direct N mounting, series "RN" can be chosen. These antennas can withstand the harshest outdoor environments, yet are quite attractive for indoor use. This model would be attached directly to an N female on a access point or any bulkhead.

Model Numbers

Model	Description
ECO5-2400/5500	N Female, includes Pole/Wall Mount and U-Bolts
ECO5-2400/5500PT	1 ft RF-195 Pigtail with N Male, includes Pole/Wall mount and locknut for simple hole mount
ECO5-2400/5500RN	Direct N Male mounting

Specifications

Frequency:	2.4 - 2.5 GHz & 5.125 - 5.925 GHz
Gain:	5 dBi both bands
VSWR:	2:1 max over band
Impedance:	50 Ohm nominal
Max Power:	25 Watts
Beamwidth:	30° EI, 360° Az
Operating Temp:	-40° to +85° C
Lightning Protection:	External recommended
Max Wind Velocity:	125+ mph (200 kph)
Material:	White fiberglass radome,
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

Antenna Length:

Standard	9" (22.9 cm)
Pigtail version	9 ¾" (24.8 cm)
RN Option	9 ⅝" (24.4 cm)
Mounting (standard):	Pole, Wall (mounts up to 2" OD. Pipe (5 cm) includes SS saddle
Mounting "PT" option:	Pole, Wall or Hole 2" OD pole, includes 1 ft RF-195 pigtail & N female
Mounting "RN" Option:	Direct N Male, mounts to N female
Shock & Vibration:	EN 300 019-2-4, IEC 60008