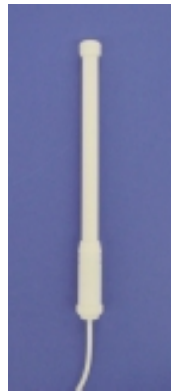




ECO Series 3 - 5 GHz
Models with N female



"PT" pigtail cable
option for all models

ECO Series Omni Antennas (Pat.Pend.)

for all 2.4 - 6.0 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 needed for pole or wall mount
- Optional drop ceiling mount, as well as mobile magnetic & trunk lip mount

Mobile Mark's new ECO Series Omni antennas are designed for all new data & broadband systems, including WiFi, 802.11 & 802.16 systems being planned. Using the latest PCB technology, these antennas improve highspeed broadband system performance in an economical package.

The Omni antennas provide uniform horizontal pattern and excellent frequency response. The ECO Series are free space antennas; no ground plane is required. Because they are also low profile and durable, they can even be used in a mobile application. Mounting hardware is available for a variety of uses. Standard hardware includes pole/wall mount.

The antenna element is enclosed in an extremely 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. Windloading on the antenna is insignificant. 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. The antennas are supplied with hardware for pole or surface mount.

Model Numbers		
Model	Description	Frequency
ECO5-2400PT	5 dBi Omni, Pigtail	2.4 - 2.5 GHz
ECO6-3500	6 dBi Omni	3.4 - 3.7 GHz
ECO9-3500	9 dBi Omni	3.4 - 3.7GHz
ECO6-4900	6 dBi Omni	4.9 - 5.0 GHz
ECO9-4900	9 dBi Omni	4.9 - 5.0 GHz
ECO12-4900	12 dBi Omni	4.9 - 5.0 GHz
ECO6-5500	6 dBi Omni	5.0 - 6.0 GHz
ECO9-5500	9 dBi Omni	5.0 - 6.0 GHz
ECO12-5800	12 dBi Omni	5.7 - 6.0 GHz
add "PT"	Pigtail Direct Cable Option with N male connectors, others available	
add "RN"	Direct mount version with Male N connector, example ECO6-4900RN	

Consult factory for special configurations.

Specifications

Frequency/Gain:	See above
Bandwidth@2:1 VSWR:	See above
Impedance:	50 Ohm nominal
Max Power:	25 Watts
ECO5 Beamwidth:	30° EI, 360° Az
ECO6 Beamwidth:	25° EI, 360° Az
ECO9 Beamwidth:	14° EI, 360° Az
ECO12 Beamwidth:	7° EI, 360° Az
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

Mounting:	Pole or surface mount, mounts up to 2" (5cm)
Antenna Length:	
ECO5-2400PT	11 in (28.0 cm)
ECO6-3500	15 in (38.1 cm)
ECO9-3500	19 in (48.3 cm)
ECO6-4900	11 in (28.0 cm)
ECO9-4900	15 in (38.1 cm)
ECO6-5500	11 in (28.0 cm)
ECO9-5500	15 in (38.1 cm)
ECO12-4900	19 in (48.3 cm)
ECO12-5800	19 in (48.3 cm)
Connector (standard):	N female direct
PT Pigtail Option:	1ft cable (0.3 meters) & N male, others available