

- Product Replacement Notice -

The 5 GHz "ODN" Series Omni antennas have been discontinued and replaced with Omni series "ECO" antennas.



ECO Series Antennas

(red cap shown is protective, for shipping purposes only)

Please refer to the attached spec sheet for detailed information on the new ECO Series. The ECO Series are fully in production, and also available through authorized Mobile Mark Distributors.

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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. Other mount options include flush ceiling, drop ceiling and mobile mounts.

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
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

Special configurations may be available upon request. Please consult factory for more information.

Specifications

Frequency/Gain:	See above	Mounting:	Pole or surface mount, mounts up to 2" (5cm)
Bandwidth@2:1 VSWR:	See above	Antenna Length:	
Impedance:	50 Ohm nominal	ECO5-2400PT	11 in (28.0 cm)
Max Power:	25 Watts	ECO6-3500	15 in (38.1 cm)
ECO5 Beamwidth:	30° EI, 360° Az	ECO9-3500	19 in (48.3 cm)
ECO6 Beamwidth:	25° EI, 360° Az	ECO6-4900	11 in (28.0 cm)
ECO9 Beamwidth:	14° EI, 360° Az	ECO9-4900	15 in (38.1 cm)
ECO12 Beamwidth:	7° EI, 360° Az	ECO6-5500	11 in (28.0 cm)
Lightning Protection:	External recommended	ECO9-5500	15 in (38.1 cm)
Max Wind Velocity:	100 mph, all models	ECO12-5800	19 in (48.3 cm)
Material:	White fiberglass radome,	Connector (standard):	N female direct
Weight:	<0.75 lbs (< 0.340 kg)	PT Pigtail Option:	1ft cable (0.3 meters) & N male, others available
Antenna Diameter:	0.63 in (1.6 cm) Radome, 0.9 in (2.3 cm) at the base		