



ECO Series with
N Jack (Female)



Recessed N
Plug (Male)

Mobile Mark's ECO Omni antennas are designed for all data & broadband systems, including Public Safety 4.9 GHz. Using 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. Standard hardware includes pole/wall mount.

The antenna element is enclosed in a tough white or black fiberglass radome. 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.

Custom cable assemblies are available from Mobile Mark.

Omni-Directional Public Safety 4.9 GHz Systems

- Models from 6 dBi to 12 dBi
- Economical, weatherproof and durable design for both indoors and outdoors
- Standard mounting kit includes all hardware
- Pigtail cable option; use standard mount or hole mount with the 3/4-20 threaded stud

Model #	Gain	Frequency
ECO6-4900-WHT	6 dBi Omni	4.9 - 5.0 GHz
ECO6-4900PT-3X-WHT-12	6 dBi Omni	4.9 - 5.0 GHz
ECO6-4900RN-WHT	6 dBi Omni	4.9 - 5.0 GHz
ECO9-4900-WHT	9 dBi Omni	4.9 - 5.0 GHz
ECO9-4900PT-3X-WHT-12	9 dBi Omni	4.9 - 5.0 GHz
ECO9-4900RN-WHT	9 dBi Omni	4.9 - 5.0 GHz
ECO12-4900-WHT	12 dBi Omni	4.9 - 5.0 GHz
ECO12-4900PT-3X-WHT-12	12 dBi Omni	4.9 - 5.0 GHz
ECO12-4900RN-WHT	12 dBi Omni	4.9 - 5.0 GHz

Cable/Connector Options:

Standard N Jack (Female)

add "PT" Pigtail Cable Option with N Plug (Male)

add "RN" Direct mount version with N Plug (Male)

Color options available for above models

WHT-White or BLK-Black

Specifications

Frequency/Gain:	4.9-5.0 GHz	Connector:	N jack (female) standard
VSWR:	2:1 max over range	Antenna Length:	
Impedance:	50 Ohm nominal	ECO6-4900	10 in (25.4 cm)
Max Power:	25 Watts	ECO6-4900PT	11 in (28.0 cm)
ECO6 Beamwidth:	25° El, 360° Az	ECO6-4900RN	11 in (28.0 cm)
ECO9 Beamwidth:	12° El, 360° Az	ECO9-4900	14 in (35.6 cm)
ECO12 Beamwidth:	7° El, 360° Az	ECO9-4900PT	15 in (38.1 cm)
Operating Temp:	-40° to +85° C	ECO9-4900RN	15 in (38.1 cm)
Lightning Protection:	External recommended	ECO12-4900	20 in (50.8 cm)
Max Wind Velocity:	125+ mph (200 kph)	ECO12-4900PT	21 in (53.3 cm)
Material:	White or black fiberglass	ECO12-4900RN	21 in (53.3 cm)
Weight:	<0.75 lbs (< 0.34 kg)	PT Pigtail Option:	1ft RF-195 cable (0.3 m) with N Plug (Male)
Antenna Diameter:	0.63 in (1.6 cm) Radome, 0.9 in (2.3 cm) at the base	RN Option:	Recessed N Plug (Male)
Mounting:	Pole or surface mount, mounts up to 2" (5.1 cm) Includes S.S. saddle	Shock & Vibration:	EN 61373, EN 300 019-2-4, MIL 810G, IEC 60068, IEEE 1478
		Water Ingress	IPx5