US Office: Tel: 800.648.2800 or +1.847.671.6690
UK Office: Tel: (+44) 1543 459 555
www.mobilemark.com

MobileMark
antenna solutions

Broadband, Omni-directional WiFi 2.4 & 5 GHz Systems



ECO Series 2.4-5 GHz Models with N Jack (Female)



Recessed N Plug (Male)

- Gain configurations from 5 dBi to 12 dBi
- Economical, weatherproof and durable design for both indoors and outdoors
- RN, Direct mount option with N Plug (male) can be mounted directly on device

Mobile Mark's ECO Omni antennas are designed for all new data & broadband systems, including WiFi 802.11 systems. 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. 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.

Model #	Gain	Frequency
ECO5-2400-WHT	5 dBi Omni	2.4 - 2.5 GHz
ECO8-2400-WHT	8 dBi Omni	2.4 - 2.5 GHz
ECO6-5500-WHT	6 dBi Omni	5.0 - 6.0 GHz
ECO9-5500-WHT	9 dBi Omni	5.0 - 6.0 GHz
ECO12-5800-WHT	12 dBi Omni	5.7 - 6.0 GHz
ECO5-2400RN-WHT	Recessed N Plug (male)	
ECO8-2400RM-WHT	Recessed N Plug (male)	

Color options available for above models
WHT-White or BLK-Black

Specifications

Frequency/Gain:	See table
Gain	See table
VSWR:	2:1 max over range
Impedance:	50 Ohm nominal
Max Power:	25 Watts
Beamwidth:	
ECO5	30° El, 360° Az
ECO6	25° El, 360° Az
ECO8	12° El, 360° Az
ECO9	12° El, 360° Az
ECO12	7° El, 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
Mounting:	Pole or surface mount, mounts up to 2" (5.1 cm) Includes S.S. saddle
Antenna Length:	
ECO5-2400	14 in (35.6 cm)
ECO8-2400	23 in (58.4 cm)
ECO6-5500	10 in (25.4 cm)
ECO9-5500	14 in (35.6 cm)
ECO12-5800	18 in (45.7 cm)
RN versions	5/8" (1.6 cm) longer than standard lengths
Connector:	N Jack (Female) standard
PT Pigtail Option:	1ft LL-195 cable (30 cm) with N Male
RN Option:	Recessed N Plug (Male)
Shock & Vibration:	EN 61373, EN 300 019-2-4, MIL 810G, IEC 60068, IEEE 1478
Water	IPx5

Specifications subject to change without notice (9/2018)