



Omni-Directional Antennas, WiFi 2.4 GHz

- 3 dBi, 6 dBi, 9 dBi & 12 dBi antennas provide uniform omni coverage
- Unique design allows economical build out
- Reflector options provide directional beamshaping & sectorization

The OD Series antennas provide omni-directional coverage for WiFi 2.4 GHz applications. Four models are available from 3-12 dBi gain.

These antennas are colinear arrays. Unique phasing cancels out-of-phase current distribution, improving performance. The OD series are free space antennas; no ground plane is required.

Unique options for the OD series are add-on Reflector Kits that beam shape the omni pattern. Reflector options are available to provide cardioid shape in 90 degree, 120 degree & 180 degree patterns. These can result in improved directional gain and isolation for reduced interference.

The antennas are durable and rugged. They can withstand the harshest environments of snow, wind, rain and ice.

The feed assembly is made of precision machined aluminum components and is irradiated for weather protection. These antennas come with all the hardware needed to install it to a mast.

For ISM, Part 15 compliant connectors are available (reverse polarized), please consult your sales representative.

Model #	Freq. (MHz)	Gain	Applications
OD3-2400-BLK	2400-2485	3 dBi	WiFi, ISM, Video
OD6-2400-BLK	2400-2485	6 dBi	WiFi, ISM, Video
OD9-2400-BLK	2400-2485	9 dBi	WiFi, ISM, Video
OD12-2400-BLK	2400-2485	12 dBi	WiFi, ISM, Video
Model		Other Options	
ODR9-2400K		Add-on 90° Reflector kit for OD9	
ODR9-2400T120K		Add-on 120° Reflector kit for OD9	
ODR9-2400T180K		Add-on 180° Reflector kit for OD9	
Reflectors are also available for 3, 6 & 12 dBi models			
OD-WMK		Wall Mount Bracket	
Color options available: WHT - White or BLK-Black			

Specifications			
Frequency & Gain:	See above	Length/Weight:	
VSWR:	2:1 max over range	3 dBi Models	14", 1.5 lbs (36 cm, 0.7 kg)
Nominal Impedance:	50 ohms	6 dBi Models	17", 1.5 lbs (43 cm, 0.7 kg)
Max. Power (continuous):	100 watts	9 dBi Models	29", 2.0 lbs (74 cm, 0.9 kg)
Vertical Beamwidth (-3 dB point):		12 dBi Model	41", 2.5 lbs (104cm, 1.1 kg)
3 dBi Model	55 degrees	Mounting Kit:	Mast mount kit included
6 dBi Model	25 degrees	Mounting Dimensions:	Use mast up to 2.5" (6.3 cm)
9 dBi Model	14 degrees	Material:	Fiberglass radome with aluminum body
12 dBi Model	7 degrees	Options:	Reflector Option Kits
Wind Load (flat plate equiv.):	30-40 sq. inches (194-258 sq.cm)		Pigtail Cable Option
Rated Wind Velocity:	120+ mph (193+kph)	Shock & Vibration:	Part 15 Reverse Connectors
Operating Temp:	-40° to +85° C	Water Ingress:	Wall Mount Bracket
Lightning Protection:	External suggested		EN 300 019-2-4, IEC 60068
OD Series Interface:	N Jack (Female)		IPx5
Antenna Diameter:	1" (25 mm), main mast		