



## OD Series Omni Antenna For WiFi, Video and Data Systems

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

The OD Series Antennas are optimized for use in a wide variety of wireless systems. Typical uses include WiFi access points or bridge (802.11b/g), and surveillance transmitters.

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 shapes the omni pattern. Reflector options are available to provide cardioid shape in 90°, 120° & 180° patterns. These can result in improved directional gain, and isolation for reduced interference.

The black fiberglass radome (1" diameter/25 mm) makes the antennas 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. The antenna comes with all the hardware needed to install

it to a mast. The OD antennas terminate with a female N connector. Optional models include pigtail cable with other connectors. For ISM, Part 15 compliant connectors are available (reverse polarized), please consult factory.

### Model Numbers

Model	Freq.(MHz)	Gain	Applications
OD3-2400	2400-2485	3 dBi	WiFi, ISM, Video
OD6-2400	2400-2485	6 dBi	WiFi, ISM, Video
OD9-2400	2400-2485	9 dBi	WiFi, ISM, Video
OD12-2400	2400-2485	12 dBi	WiFi, ISM, Video

### Pigtail Cable Option

1ft (30 cm) RG-8 Cable & RevTNC add "-PTA" to model

### Other Options

Other Options	Model
Add-on 90° Reflector kit for OD9	ODR9-2400K
Add-on 120° Reflector kit for OD9	ODR9-2400T120K
Add-on 180° Reflector kit for OD9	ODR9-2400T180K
Wall Mount Bracket	OD-WMK
Reflector options available for all models, consult factory for full details and complete model listings.	

### Specifications

<b>Frequency &amp; Gain:</b>	See above	<b>Antenna Diameter:</b>	1" (25 mm), main mast
<b>Bandwidth @2:1 VSWR:</b>	See above	<b>Length/Weight:</b>	
<b>Nominal Impedance:</b>	50 ohms	3 dBi Models	16", 1.5 lbs (41 cm, 0.7 kg)
<b>Max. Power (continuous):</b>	25 watts	6 dBi Models	19", 1.5 lbs (48 cm, 0.7 kg)
<b>Vertical Beamwidth (-3 dB point):</b>		9 dBi Models	27", 2.0 lbs (69 cm, 0.9 kg)
3 dBi Model	55 degrees	12 dBi Model	41", 2.5 lbs (104cm, 1.1 kg)
6 dBi Model	25 degrees	<b>Mounting Kit:</b>	Mast mount kit included
9 dBi Model	14 degrees	<b>Mounting Dimensions:</b>	Use mast up to 2" (50 mm)
12 dBi Model	7 degrees	<b>Material:</b>	Fiberglass radome with aluminum body
<b>Wind Load (flat plate equiv.):</b>	30-40 sq. inches (190-260 sq.cm)	<b>Options:</b>	Reflector Option Kits
<b>Rated Wind Velocity:</b>	120+ mph (200+kph)		Pigtail Cable Option
<b>Operating Temp:</b>	-40° to +85° C		Part 15 Reverse Connectors
<b>Lightning Protection:</b>	External suggested		Wall Mount Bracket
<b>OD Series Interface:</b>	N female connector		