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

<table>
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<th>Model #</th>
<th>Freq. (MHz)</th>
<th>Gain</th>
<th>Applications</th>
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<td>OD3-2400-BL</td>
<td>2400-2485</td>
<td>3 dBi</td>
<td>WiFi, ISM, Video</td>
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<tr>
<td>OD6-2400-BL</td>
<td>2400-2485</td>
<td>6 dBi</td>
<td>WiFi, ISM, Video</td>
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<tr>
<td>OD9-2400-BL</td>
<td>2400-2485</td>
<td>9 dBi</td>
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<td>2400-2485</td>
<td>12 dBi</td>
<td>WiFi, ISM, Video</td>
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Model    | Other Options                        |
----------|--------------------------------------|
OD9-2400K | Add-on 90° Reflector kit for OD9     |
OD9-2400T | Add-on 120° Reflector kit for OD9    |
OD9-2400T | 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
- VSWR:
  - 2:1 max over range
- Nominal Impedance:
  - 50 ohms
- Max. Power (continuous):
  - 100 watts
- Vertical Beamwidth (-3 dB point):
  - 3 dBi Model: 55 degrees
  - 6 dBi Model: 25 degrees
  - 9 dBi Model: 14 degrees
  - 12 dBi Model: 7 degrees
- Wind Load (flat plate equiv.):
  - 30-40 sq. inches (194-258 sq.cm)
- Rated Wind Velocity:
  - 120+ mph (193+kph)
- Operating Temp:
  - -40° to +85° C
- Lightning Protection:
  - External suggested
- OD Series Interface:
  - N Jack (Female)
- Antenna Diameter:
  - 1” (25 mm), main mast
- Length/Weight:
  - 14”, 1.5 lbs (36 cm, 0.7 kg)
  - 17”, 1.5 lbs (43 cm, 0.7 kg)
  - 29”, 2.0 lbs (74 cm, 0.9 kg)
  - 41”, 2.5 lbs (104cm, 1.1 kg)
- Mounting Kit:
  - Mast mount kit included
- Mounting Dimensions:
  - Use mast up to 2.5” (6.3 cm)
- Material:
  - fiberglass radome with aluminum body
- Options:
  - Reflector Option Kits
  - Pigtail Cable Option
  - Part 15 Reverse Connectors
- Shock & Vibration:
  - EN 300 019-2-4, IEC 60068
- Water Ingress:
  - IPx5

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 irridited 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.