MobileMark
antenna solutions

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Omni-Directional Antennas, WiFi 2.4 GHz

Cardioid Reflector Option Shown

OD9

OD6

OD Wall Mount Bracket Option

OD6 with PTA option

- 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 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°, 120° & 180° 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.

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

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

Pigtail Cable Option
1ft (30 cm) RG-8 Cable & RevTNC add "-PTA" to model
Other connectors available

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

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:	
3 dBi Models	14", 1.5 lbs (36 cm, 0.7 kg)
6 dBi Models	17", 1.5 lbs (43 cm, 0.7 kg)
9 dBi Models	29", 2.0 lbs (74 cm, 0.9 kg)
12 dBi Model	41", 2.5 lbs (104cm, 1.1 kg)
Mounting Kit:	Mast mount kit included
Mounting Dimensions:	Use mast up to 2.5" (63mm)
Material:	Fiberglass radome with aluminum body
Options:	Reflector Option Kits Pigtail Cable Option Part 15 Reverse Connectors Wall Mount Bracket
Shock & Vibration:	EN 300 019-2-4, IEC 60068
Water Ingress:	IPx5