



Omni-Directional Antennas WiMAX 2.5 GHz

- 6 dBi and 9 dBi antennas provide uniform omni coverage
- Unique design allows economical build out
- Mounting kit includes all hardware needed
- Coax pigtail option factory configured for cable length and connectors

The OD Series Antennas are optimized for use in a wide variety of wireless systems, particularly for the WiMAX 2.5 - 2.7 GHz band.

These antennas can be used for access point or customer premise equipment (CPE) units. Their omni-directional coverage makes installation simpler because they are easier to align with other antennas in the wireless network.

Using the latest PCB technology, these antennas improve high-speed broadband system performance. This design maintains an omni pattern in the horizontal plane.

The OD Series are free space antennas; no ground plane is required.

An option for the OD series is a coax pigtail termination. The antennas can be directly outfitted with coax cable so no additional jumpers are required. A variety of connectors can be used for the final termination.

The 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 OD Series Antennas at 2.6 GHz are only available with a black radome.

The feed assembly is made of precision machined aluminum components and is irradiated for weather protection.

The OD Series Antennas are supplied with all the hardware needed to install them to a mast. The OD antennas normally terminate with a female N connector.

Custom cable assemblies are available to connect the antenna to the radio or modem.

Model #	Frequency	Gain	Application
OD6-2600-BLK	2500-2700	6 dBi	WiMAX
OD9-2600-BLK	2500-2700	9 dBi	WiMAX
OD-WMK	Wall Mount Bracket		
"PTA" pigtail cable option available with RG-8 cable			
Note: Available in Black only			

Specifications

Frequency & Gain:	See above
VSWR:	2:1 max over band
Nominal Impedance:	50 ohms
Max. Power (continuous):	25 Watts
Vertical Beamwidth (-3 dB point):	
6 dBi Model	25 degrees
9 dBi Model	14 degrees
Wind Loading (flat plate equiv.):	
OD6-2600	24 sq.in.(155 sq.cm)
OD9-2600	30 sq.in.(194 sq. cm)
Rated Wind Velocity:	125+ mph (193 kph)
Lightning Protection:	External suggested
Antenna Diameter:	1" (25mm), main mast
OD Series Interface:	N Female connector

Length/Weight:	
6 dBi Models	17 inches, 1.5 lbs (43 cm, 0.7kg)
9 dBi Models	29 inches, 2.0 lbs (74 cm, 0.9kg)
Mounting Kit:	Mast mount kit included
Mounting Dimensions:	Use mast up to 2.5" (6.4 cm)
Operating Temp:	-40° to +85° C
Material:	Fiberglass radome with aluminum body
Options:	Pigtail Cable Option (PTA) Wall Mount Bracket (OD-WMK)
Shock & Vibration:	EN 300 019-2-4, IEC 60068
Water Ingress:	IPx5