

WiBORNE, INC.

4.9-5.875 GHz 23 dBi Panel Antenna

OA-5023P



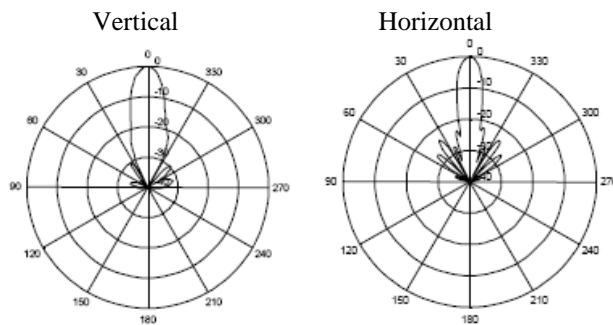
The 23 dBi outdoor directional antenna amplifies your wireless signal in a concentrated direction. The directional design of antenna creates a 10 degree emission of your highly amplified wireless signal that extend the coverage of a wireless local area network . The antenna meets IP67 weatherproofing requirements. The single linear polarization directional panel antenna consists of a patented low cost, high performance circuit design that can be mounted in either a vertical or horizontal polarization configuration. The antenna is enclosed in a very low profile, UV stabilized ABS plastic radome.

Features

- High Gain: 4.94~5.875 GHz 23 dBi Panel Antenna
- High performance and low cost patented circuit technology
- All-weather use heavy duty aluminum ground plane and UV resistant plastic radome components
- Lightning protection with integrated DC ground
- Flexible mounting allows for vertical and horizontal polarization mounting configurations
- Includes pan and tilt high strength bracket for mast or wall mounting applications
- Excellent external high gain directional antenna for Wi-Fi® and WiMAX broadband wireless systems

General Specifications

Frequency Range	4.94~5.875GHz
Gain	4.94~4.99GHz: 19 dBi 5.15~5.875GHz: 23 dBi
VSWR	1.7 : 1 Max.
Polarization	Vertical(Linear)
HPBW / vertical	10°
HPBW / horizontal	10°
Power Rating	30 watts
Input Impedance	50 ohms
Front-to-Back Ratio	> 40 dB
Cross Polarization	> 30 dB
Connector	N type (female)
Humidity	95% @ 25°C
Temperature	-49°F to +149°F -40°C to +80°C
Lightning Protection	DC ground
Survival Wind Speed	125 mph (200 kph)
Wind Load	1.23 sq-ft (0.12 sq-m)
Radome Material	UV-Stabilized Plastic
Weight	3.0 lb (1.36 kg)
Dimensions	13.3"X13.3"X0.4" 337x337x10mm
Backplane	Aluminum



Antenna mounted in vertical polarization