

WiBORNE, INC.

Long Range Wide Band Base Station MIMO Sector Antennas

OA-2416DP / OA-2416XP



The Vertically Polarized Sector antenna systems offered by WiBorne are constructed of UV stable ASA plastic radomes for extremely long service life in the most demanding conditions. The antennas are constructed using corrosion resistant metal elements and a unique air dielectric system which is more stable than PCB based antenna systems because they don't absorb moisture, which can degrade the performance of PCB based antenna systems.

The 16 dBi dual polarity sectors come with a stainless steel scissor bracket system for ease of installation and alignment for long distance wireless networks.

Optional $\pm 45^\circ$ slanted and vertical for **triple polarization MIMO** is available (OA-2416XP)

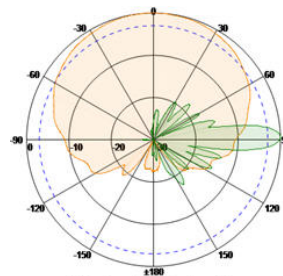
- Dual Polarized for 802.11 b/g/n
- 120 deg model with 16 dBi
- Wideband 2.3-2.7GHz
- Extremely Rugged for long service life in extreme environments
- Type N Female Integrated

Frequency Range	2300-2700 MHz
Part Number	OA-2416DP OA-2416XP (slanted 45°)
Cross-pol-isolation	>25dB
VSWR	<1.5Type; Max 2.0
Impedance	50 OHM
Max. Power	100W
Pole Diameter (OD)	1" (25) ~ 2"(50) inch (mm)
Operating Temperature	-40 ~ +60 Deg C
Gain	16 dBi
Horizontal Beam Width	120 °
Vertical Beam Width	9°
Front to Back	≥ 21 dB
Slanted	$\pm 45^\circ$ (OA-2416XP)
Weight	4.5KG
Dimensions (LxWxH)	890 X 180 X 60 CM
Wind Load	60 m/s

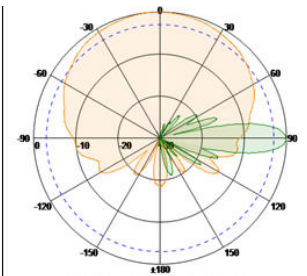
OA-2416DP

Applications:

- MIMO applications
- 2.4GHz ISM Band Applications
- 802.11b/g/n Wireless Systems
- Point to Multi-point Systems
- Base Station Antennas
- Wireless Broadband Systems
- MMDS Applications



Vertical Polarization



Horizontal Polarization