

WiBORNE, INC.

Long Range Base Station Sector Antennas for WISP

OA-2416S



The Vertically Polarized Sector antenna systems offered by WiBorne are constructed of UV stable fiberglass 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 16.4 dBi sectors come with a stainless steel scissor bracket system for ease of installation and alignment.

The 16.4 dBi model is designed for long distance wireless networks.

- Vertically Polarized
- 120 deg model with 16.4 dBi
- Type N Female Integrated Connector
- Extremely Rugged for long service life in extreme environments
- Weatherproof

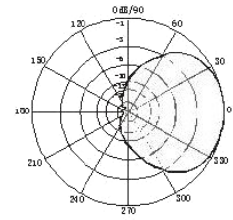
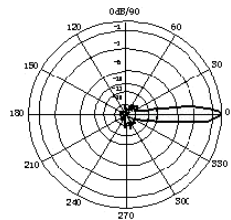
Frequency Range	2400~2485 MHz
Part Number	OA-2416S
Input Return Loss	-14 dB
VSWR	1.5:1
Impedance	50 OHM
Input Power	100W
Pole Diameter (OD)	1" (25) ~ 2"(50) inch (mm)
Operating Temperature	-40 ~ +70 Deg C
Gain	16.4 dBi
Horizontal Beam Width	120 deg
Vertical Beam Width	7 deg
Front to Back	25dB
Mechanical Downtilt	10 deg
Weight	9.9lb (4.5kg)
Dimensions (LxWxH)	38"x6.5"x2.5" (965 x 165 x 63.5mm)
Wind Load	247 sq. In. 61.8 lb / 100MPH; 96.5 lb / 125MPH; 62 lb / 100MPH 1/2" radial ice

OA-2416S

Applications:

- 2.4GHz ISM Band Applications
- 802.11b and 802.11g Wireless Systems
- Point to Multi-point Systems
- Base Station Antennas
- Wireless Broadband Systems
- WiFi Access Points

E Plane Field Patterns H Plane Field Patterns



Scissor Bracket Mounting System



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