

WiBORNE, INC.

Long Range Advanced Antenna for WiSP

Sahara Central Site Antenna - OA-75

WiSP Solutions & Commercial grade installations



The "Sahara" long Range Advanced Central Site Antenna. It's "50% better than circular polarization" and perfect for Non-Line-of-sight (NLOS) area coverage. WiBorne's Long Range Advanced Antennas pick up the signal that other antennas don't see.

Commercial grade hot spots, city wide and residential developments as well as rural RV parks have used OA-75 series antenna to great benefit. The Sahara Central Site series of antennas are our most powerful obstruction-penetrating antenna to date. It has ranges of 20+ miles in combination with our 18 in Multi-Polarized beam with amplifier and ranges of 13 miles un-amplified.

Mode	OA-75 12 dBi OMINI 2.4/5.X
Type	ROBUST PERFORMING Multi-Polarized Triple-120 degree Sector 'All-In-One' Dual-Band/Tri-Mode Antenna
Product Narrative	Multi-Polarized Highly Effective Multi-Path Patterning Small size - Attractive Tower or Mast (Top or Inside Building) Mount WWAN/WLAN
General Freq. (MHz)	2400-2500 and 5000-6000, WiMAX 802.16A ready.
Bandwidth (MHz)	100/1000
Gain(dBi)	12 per each of three sectors [6-10 dB additional polarization diversity gain]
Max. Input Power (Watts)	100
Polarization	MULTI-POLARIZED ---3-D Wireless Science---
H. Beamwidth	360 degrees (120 degrees X 3)
Vert. Beamwidth	35 degrees
VSWR	1:1-1.8:1
Overall Size	2' across X 9" ht.
Weight	27 lb.
Termination	N-female (bulkhead) X 3 [With coax./conn. losses considered, three one watt amp/pre-amps (one per N-conn./sector) meets FCC EIRP 2.4 GHz and 5.8 GHz P-MP regulations]
Mounting Style	Mast up to 1 5/8" O.D. [Split unit style available for easily mounting to large diameter light poles/utility poles]
Construction	High Grade Stainless Steel, UV stable sealed ABS radomes. All internal wiring and markings completed