

Vertically Polarized Sector Antennas 2400 to 2485 MHz Operation

Features:

- Vertically Polarized
- 90 deg and 120 deg models with gains from 9dBi to 17dBi
- Type N Female Integrated Connector
- Extremely Rugged for long service life in extreme environments
- Weatherproof



Description:

The Vertically Polarized Sector antenna systems offered by ibridge Networks Inc. 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 which are more stable than PCB based antenna systems because they don't absorb moisture, which can degrade the performance of PCB based antenna systems. The 17dB sector comes with a stainless steel scissor bracket system for ease of installation and aligning. The 9dBi sector comes with a galvanized steel bracket with stainless steel hardware.

Specifications:

Parameter	Min	Typ	Max	Units
Frequency Range	2400		2483	MHz
Input Return Loss (S_{11})		-14		dB
VSWR		1.5:1		
Impedance		50		OHM
Input Power			100	W
Operating Temperature	-45		+70	Deg C
Pole Diameter	1" (25)		2" (50)	In (mm)

Marketed & Distributed In INDIA:

BRIJ INFOTECH PVT. LTD.

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2400 - 2483 MHz	ibSA-9	ibSA-9	ibSA-17	ibSA-16
Gain	9.5dBi	9 dBi	17dBi	16.4 dBi
Horizontal Beam Width	90 deg	120deg	90 deg	120 deg
Vertical Beam Width	40 deg		7 deg	
Front to Back	25dB		25 dB	
Machanical Downtilt	45 deg		10 deg	
Weight	25oz (0.7 kg)		9.9lb (4.5kg)	
Dimension (LxHxW)	10"x6.5"x2.5" (254x165x63.5 mm)		38"x6.5"x2.5" (965x165x63.5 mm)	

Antenna Patterns at 2.4GHz

