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**SECTOR 50016H - 16dBi Sector Antenna**

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- Key Features:
- 16 dBi Sectoral Gain
  - High Quality Construction
  - Horizontal Polarization
  - Great Impedance Matching
  - **ULTRA LOW SIDELOBES**
  - 5 Years Warranty
  - Heavy-Duty Mounting Elements
  - Easy Elevation Adjustment
  - Designed for All Weather Operation

- Applications:
- 5 GHz Band Wireless LAN
  - IEEE 802.11a WLAN Systems
  - Point to Multipoint Applications
  - Base Station Antennas
  - WiFi

Description

Sector antenna working in 5 GHz band with 16 dBi gain and horizontal polarization. Because of reduced sidelobes, antenna keeps clear strong signal even in crowded radio environment. It's resistant to interference from other networks and does not disrupt to other. Antenna features no beam squint due to frequency change, it means that decreasing of data throughput or even loss of a link after frequency channel change does not occur. Perfectly designed for operation under severe weather conditions. A proper materials allow operation in the salt water environment without corrosion. High quality construction of pole mounting elements guarantees an easy elevation adjust.

Electrical Properties

Frequency	5100 – 5900 MHz
Gain	16 dBi
Polarization	Horizontal
Beamwidth deg horizontal	90°
Beamwidth deg vertical	8°
VSWR	< 1.5
Impedance	50 Ohm
Sidelobe suppression	> 20 dB
Front to back ratio	> 25 dB

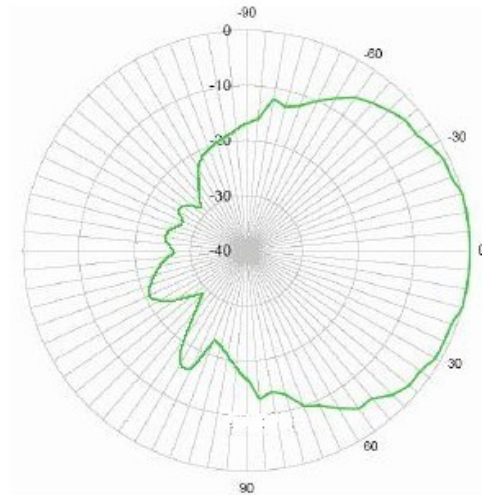


## Mechanical Properties

Technology	Microstrip
Input Connector	N-type / female
Dimensions	450x93x18 mm / 18x3.7x0.7"
Weight	0.6 kg / 1.3 lbs
Radome material	UV – resistant plastic
Color	White
Base material	High quality aluminium alloy
Construction	All – weather operation
Mounting Kit	50.8 mm / 2"

## Antenna Patterns

### Azimuth



### Elevation

