



SECTOR50018H

Key Features:

- **18 dBi Sectorial Gain**
- Special Outdoor Weatherproof Enclosure
- Highest Ingress Protection IP 66
- High Quality Construction
- Minimized Sidelobes Level
- Horizontal Polarization
- Heavy-Duty Mounting Elements
- Easy Elevation and Tilt Adjustment
- 5 Years Warranty
- Designed for All Weather Operation



Applications:

- 5 GHz Band Wireless LAN
- IEEE 802.11a WLAN Systems
- RLAN
- WiMAX
- Point to Multipoint Applications

Description:

Sector antenna working in 5 GHz band with 18 dBi gain 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 disturb 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 material allows operation in the salt water environment without corrosion. Professional mounting system with 0-15 degrees scale guarantees easy and smooth tilt down as well as rock-stable operation.

Electrical Properties	
Frequency	5.4 - 5.9 GHz
Gain	18dBi
Polarization	Horizontal
Beamwidth deg horizontal	90°(-3dB), 120°(-6dB)
Beamwidth deg vertical	6°
VSWR	<1,8
Impedance	50 ohm
Front to back ratio	> 35 dB
Lightning protection:	DC ground
Enclosure Properties	
Technology:	Microstrip
Material:	UV protected
Colour:	White
Ingress Protection (EN 60529):	IP 66
Min temperature:	-40°C / -40°F
Max temperature:	80°C / 176°F
Mechanical Properties	
Input Connector	N-type / female
Outside Dimensions	580x125x50 mm / 23.2x5x2"
Weight	1.5kg / 3.3lbs

Specification subject to change without notice.