

Item no.: SECTOR50016DUAL

## SEC5016DP - 5 GHz, 2x 16 dBi 90° Sector Antenna

# 50,58 EUR

Item no.: SECTOR50016DUAL  
shipping weight: 1.80 kg  
Manufacturer: ITELITE



### Product Description

IT ELITE SEC50016DP - 5 GHz, 2x 16 dBi 90° Sector Antenna

Sector antenna working in 5 GHz band with 2x 16 dBi gain, dualpolarization for MIMO applications.

Because of reduced sidelobes, the antenna keeps a clear, strong signal even in crowded radio environments. It's resistant to interference from other networks and does not disrupt others. Antenna features no beam squint due to frequency change, this means that decreasing of data throughput or even loss of a link after frequency channel change does not occur.

Specifically designed for operation under severe weather conditions, since proper materials allow operation without the risk of corrosion even in saltwater environments. Professional mounting system with 0-15 degrees scale guarantees easy and smooth tilt adjustment, as well as rock-stable operation.

Key Features:

- 2x 16 dBi sectorial gain
- Dual polarization H&V in one case
- Special outdoor weatherproof enclosure
- Highest International Protection Rating IP 66
- High-quality construction
- Minimized sidelobe levels
- Heavy-duty mounting elements
- Easy elevation and tilt adjustment
- Designed for all-weather operation

Applications:

- 5 GHz band wireless LAN
- MIMO standard
- IEEE 802.11n WLAN systems
- Point-to-multipoint applications

Electrical Properties

- Frequency: 5.1 - 5.9 GHz
- Gain: 2x 16 dBi
- Polarization: Dual H&V
- Beamwidth deg horizontal: 90° (-3 dB), 120° (-6 dB)
- Beamwidth deg vertical: 10°
- VSWR:
- Impedance: 50 ohm
- Front to back ratio: >35 dB

Enclosure Properties

- Technology: Microstrip
- Material: UV-resistant
- Color: White
- Ingress Protection Rating (EN 60529): IP 66
- Min. temperature: -40°C
- Max. temperature: 120°C

#### Mechanical Properties

- Input connector: N-type / female
- Wind load:
- Outside dimensions: 580 x 125 x 50 mm
- Weight: 1.5 kg

## Specifications

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