

Item no.: PRO-SEC50018DHV_BOX

PRO-SEC5018DP - 5 GHz, 2x 18 dBi Sector Antenna



from **85,56 EUR**

Item no.: PRO-SEC50018DHV_BOX
shipping weight: 1.70 kg
Manufacturer: ITELITE

Product Description

itelite PRO-SEC50018DP - 5 GHz, 2x 18 dBi Sector Antenna

Sector antenna working in the 5 GHz band with 2x 18 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 disturb others. Antenna features no beam squint due to frequency change, this means that the decreasing of data throughput or even a loss of a link after a 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 an easy and smooth tilt adjustment, as well as rock-stable operation.

Key Features:

- 2x 18 dBi sectorial gain
- Dual polarization H&V in one case
- Special outdoor weatherproof enclosure
- Highest ingress 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 802.11a/n WLAN systems
- Point-to-multipoint applications

Electrical Properties

- Frequency: 5.15 - 6.0 GHz
- Gain: 2x 18 dBi
- Polarization: Dual H&V
- Beamwidth deg horizontal: 90° (-3 dB), 120° (-6 dB)
- Beamwidth deg vertical: 6°
- VSWR:
- Impedance: 50 Ohm
- Front-to-back ratio: >35 dB
- Port isolation: >45 dB
- Lightning protection: DC ground

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: SMA female, U.FL or MMCX pigtail optional
- Wind load:
- Outside dimensions: 580 x 125 x 50 mm / 23.2 x 5 x 2"
- Weight: 1.5 kg / 3.3 lbs

Specifications

**Scan this QR code to
view the product**
All details, up-to-date
prices and availability

