

Item no.: AS-2-14

AS-2-14 - Sector Antenna with Carrier Class Performance



from **85,55 EUR**

Item no.: AS-2-14
 shipping weight: 3.50 kg
 Manufacturer: RF Elements

Product Description

AS-2-14 - Sector Antenna with Carrier Class Performance

RF elements® Array Sector antennas are optimized for high performance in unlicensed frequency bands. They offer excellent RF performance, colocation capability, easy installation, and cost-efficiency.

The side lobes of Array Sector antennas are suppressed using BackShield™, rf Elements' patented, frequency selective surface attenuating azimuth side lobes and back lobe, integrated into the antenna body.

The gain of Array Sector 2-14 is stable in both horizontal and vertical polarizations, offering reliable performance regardless of which channel you use. The antenna is light and made of high-quality non-corrosive materials for long-lasting performance.

Physical

- Antenna connection: 2x RP-SMA on integrated semi-flex pigtails
- Antenna type: Patch array sector
- Materials: UV resistant ABS plastic, aluminium alloy, stainless steel
- Environmental: IP55
- Temperature: -35°C to +60°C (-31°F to +140°F)
- Wind survival: 160 km/hour (100 miles/h)
- Wind loading: 160 N at 160 km/hour (100 miles/h)
- Electrical downtilt: 0°
- Pole mounting diameter: 40-80 mm (1.5-3.1 inch), recommend as close to 80 mm (3.1 inch) as possible
- Weight: 3.7 kg (8.1 lbs)
- Dimensions (retail box): 834 x 167 x 130 mm (32.8 x 6.5 x 5.1 inch)

Performance

- Frequency range: 2400 - 2484 MHz
- Gain: 14 dBi
- Polarization: Dual linear H + V
- Azimuth beam width -3 dB: H 71°/V 80°
- Elevation beam width -3 dB: H 15°/V 15°
- Azimuth beam width -6 dB: H 112°/V 112°
- Elevation beam width -6 dB: H 21°/V 21°
- Front-to-back ratio (min.): 21 dB
- Beam efficiency: 88 %
- Cross pol isolation: H 30 dB/V 30 dB
- Impedance: 50 Ohm
- VSWR max.: 1.6
- VSWR typical: 1.4
- Isolation between ports: 35 dB

Compatible Wireless Platforms

- RF elements®: StationBox® S, StationBox® S CARRIER CLASS, RockShield™
- Cambium Networks™: ePMP™ 1000AP and CSM
- MikroTik™: BaseBox, NetBox, NetMetal
- Ubiquiti Networks™: Rocket™ M2, Rocket™ 2AC Prism
- TP-Link: Pharos WBS210

Specifications

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

