**Item no.:** AS-5-20

# AS-5-20 - Sector Antenna with Carrier Class Performance

**180,35 EUR**

**Item no.:** AS-5-20
**shipping weight:** 4.50 kg
**Manufacturer:** RF Elements

## Product Description

AS-5-20 - Sector Antenna with Carrier Class Performance

RF elements(R) Array Sector antennas provide exceptional RF performance, colocation capability, ease of installation, and cost efficiency. The antennas feature RF Elements' patented BackShield(TM), a frequency selective surface that attenuates the side lobes in the azimuth plane and back radiation, integrated directly in the antenna body.

Array Sector 5-20 operates in an extremely wide frequency band, has balanced gain in both polarizations, and offers unmatched main lobe stability for superior coverage 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
- Enviromental: IP55
- Temperature: -35°C to +55°C (-31°F to +131°F)
- Wind survival: 160 km/hour
- Wind loading: 160 N at 160 km/h
- Electrical downtilt: 0°
- Pole mounting diameter: 40-80 mm (recommend as close to 80 mm as possible)
- Weight: 3.5 kg/7.7 lbs – single unit
- Dimensions (retail box): 664 x 157 x 60 mm/26.1 x 6.1 x 2.3 inch

Performance

- Frequency range: 5150 - 5850 MHz
- Gain: 20 dBi
- Polarization: Dual linear H+V
- Azimuth beam width -3 dB: H 80°/V 71°
- Elevation beam width -3 dB: H 3.5°/V 3.5°
- Azimuth beam width -6 dB: H 100°/V 100°
- Elevation beam width -6 dB: H 4.5°/V 4.5°
- Front-to-back ratio (min.): 30 dB
- Beam efficiency: 69 %
- Cross pol. isolation: H 27 dB/V 27 dB
- Impedance: 50 Ohm
- VSWR max.: 1.7
- VSWR typical: 1.4
- Isolation between ports: 30 dB

Compatible wireless platforms

- RF elements(R): StationBox(R) S, StationBox(R) S Carrier Class, RockShield(TM)
- Cambium Networks(TM): ePMP(TM) 1000AP and CSM (with EasyBracket(TM) for ePMP(TM)), ePMP(TM) 2000AP (with EB_EPMP2), ePMP(TM) 3000L AP (with EB_ePMP3kL)
- MikroTik(TM): BaseBox (with EasyBracket(TM) 912), NetBox (with EasyBracket(TM) 912), NetMetal (with EasyBracket(TM) 912)
- Ubiquiti Networks(TM): Rocket(TM) M5, Rocket(TM) M5 Titanium, Rocket(TM) 5ac, Rocket(TM) 5ac Prism, Rocket(TM) 5ac Prism Gen2, airFiber(R) 5X, airFiber(R) 5X-HD, LTU(TM) Rocket
- Mimosa(R) by Airspan: A5x
- TP-Link: Pharos WBS510

## Specifications

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