Sector Carrier Class 5-20 2x2 H+V

SECTOR ANTENNA WITH CARRIER CLASS PERFORMANCE

RF elements CARRIER CLASS Sectors are addressing customer requirements for exceptional RF performance, co-location noise resistance, ease of installation and cost efficiency. Our antennas feature an innovative patent pending BackShield™ system of frequency selective reflectors that are incorporated into the antenna structure to attenuate side lobes and backside near field radiation.

All CARRIER CLASS Sectors are designed with independent horizontal and vertical polarization antenna elements for unmatched RF performance.

5 GHz 20 dBi

Gain H

Gain V

Azimuth Pattern H

Elevation Pattern H

Azimuth Pattern V

Elevation Pattern V
Sector Antenna 5-20 CARRIER CLASS
Rev NOV-2018

PRODUCT DIMENSIONS

PHYSICAL
Antenna Connection 2x RP-SMA on integrated semi-flex pigtails
Antenna Type 5 GHz 20 dBi
Environmental IP55
Temperature -26°C to +60°C (-15°F to +140°F)
Wind Survival 160 km/hour
Wind Loading 160 N at 160 km/hour
Electrical Down tilt 0°
Pole Mounting Diameter max 85 mm
Weight 3.1 kg / 6.8 lbs – single unit
4.1 kg / 9 lbs – single unit incl. package
Single Unit Retail Box: 115 x 10 x 22 cm

PERFORMANCE
Frequency Range 5450 - 5850 MHz
Gain 19.7 dBi
Polarization Dual Linear H + V
Azimuth Beam Width -3 dB H 74° / V 74°
Elevation Beam Width -3 dB H 4° / V 4°
Azimuth Beam Width -6 dB H 96° / V 100°
Elevation Beam Width -6 dB H 5° / V 5°
Front-to-Back Ratio (Min) 29 dB
Cross Pol Isolation H 21 dB / V 21 dB
Impedance 50 Ohm
VSWR Max 1.8
VSWR Typical 1.35
Isolation Between Ports 27 dB

COMPATIBLE WIRELESS PLATFORMS
RF elements® StationBox® S, StationBox® S CARRIER CLASS, RockShield™
Cambium Networks™ ePMP™ 1000 Connectorized Radio*
MikroTik™ BaseBox**, NetBox**, NetMetal **
Ubiquiti Networks™ UBNT Rocket™ M5, UBNT Rocket™ M5 Titanium
UBNT Rocket™ 5ac, UBNT Rocket™ 5ac Prism

*with EasyBracket™ for ePMP™
**with EasyBracket™ 912