Sector Carrier Class 2-14 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.

2.4 GHz 14 dBi

Gain H

 Gain / dB

 Frequency / GHz

Azimuth Pattern H

 Elevation Pattern H

Gain V

 Gain / dB

 Frequency / GHz

Azimuth Pattern V

 Elevation Pattern V
Sector Antenna 2-14 CARRIER CLASS
Rev NOV-2018

PRODUCT DIMENSIONS

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Width</th>
<th>Height</th>
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<tbody>
<tr>
<td>604 mm</td>
<td>63 mm</td>
<td>263 mm</td>
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<tr>
<td>160 mm</td>
<td>172 mm</td>
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PHYSICAL

Antenna Connection: 2x RP-SMA on integrated semi-flex pigtails

Antenna Type: 2.4 GHz 14 dBi

Environmental: IP55

Temperature: -26°C to +60°C (-15°F to +140°F)

Wind Survival: 160 km/hour

Wind Loading: 120 N at 160 km/hour

Electrical Downtilt: 8°

Pole Mounting Diameter: max 85 mm

Weight: 2.5 kg / 5.5 lbs – single unit

3.5 kg / 7.7 lbs – single unit incl. package

Single Unit: Retail Box: 97.5 x 22 x 10 cm

PERFORMANCE

Frequency Range: 2400 - 2485 MHz

Gain: 13.8 dBi

Polarization: Dual Linear H + V

Azimuth Beam Width -3 dB: H 75° / V 60°

Elevation Beam Width -3 dB: H 145° / V 14°

Azimuth Beam Width -6 dB: H 108° / V 100°

Elevation Beam Width -6 dB: H 20° / V 19°

Front-to-Back Ratio (Min): 24 dB

Cross Pol Isolation: H 15 dB / V 13.5 dB

Impedance: 50 Ohm

VSWR Max: 1.8

VSWR Typical: 1.4

Isolation Between Ports: 18 dB

COMPATIBLE WIRELESS PLATFORMS

RF elements®: StationBox® S, StationBox® S CARRIER CLASS, RockShield™

Cambium Networks™: ePMP™ 1000 Connectorized Radio*

MikroTik™: BaseBox**, NetBox**

Ubiquiti Networks™: UBNT Rocket™ M2, UBNT Rocket™ M2 Titanium

*with EasyBracket™ for ePMP™

**with EasyBracket™ 912