

Product Datasheet

Product ID: SECM590, SECM5120, SECM290, SECM2120



Sector Antenna

BASE STATION MIMO SECTOR ANTENNAS

RF elements MiMo Sector Antennas demonstrate new standard in compatibility, price/performance, ease of use and environmental resistance.

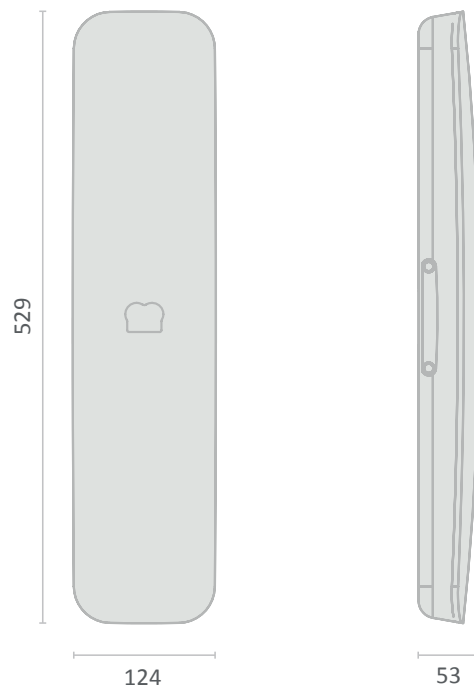
Antennas are equipped with quick mounting system compatible with RF elements StationBox® S, compact radio powered by MikroTik™ RouterBoard™ technology. Advanced, cross platform MiMo Sector solution for professional requirements.



TECHNICAL DATA

| | |
|-------------------|---|
| Materials | UV stabilized and weather resistant ABS plastic Die Cast Aluminium |
| Flame Rating | UL 94 HB |
| Mounting Diameter | 500-700 mm |
| Operating Temp. | -30 to +60 °C |
| Wind Survival | 160 Km/h |
| Weight | 1.4 Kg / 3.1 lbs – single piece incl. package 14.5 Kg / 32.0 lbs – carton (10 pcs) |
| Single Unit | Retail Box: 7 × 13 × 64 cm |
| 10 Units | Carton Box: 35 × 27 × 66 cm |

PRODUCT DIMENSIONS



COMPATIBLE WIRELESS PLATFORMS

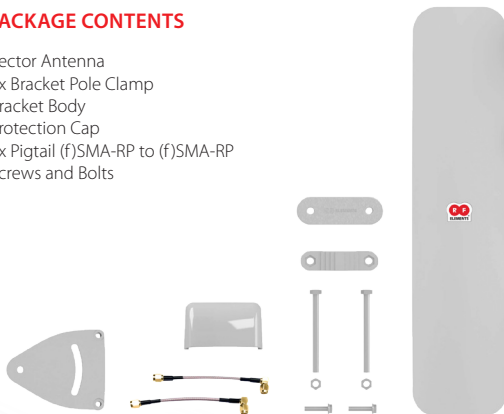
| | |
|--------------------|--|
| RF elements® | StationBox® Mikro, StationBox® S, StationBox® S CARRIER CLASS, RockShield™ |
| Ubiquiti Networks™ | UBNT Rocket™ M2, UBNT Rocket™ M5, UBNT Rocket™ M2 Titanium, UBNT Rocket™ M5 Titanium |
| Cambium Networks™ | ePMP™ 1000 Connectorized Radio* |
| MikroTik™ | BaseBox** |

*with EasyBracket™ for ePMP™

**with EasyBracket™ 912

PACKAGE CONTENTS

Sector Antenna
2x Bracket Pole Clamp
Bracket Body
Protection Cap
2x Pigtail (f)SMA-RP to (f)SMA-RP
Screws and Bolts



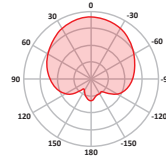
1/2 Sector Antenna Rev JUN-2014

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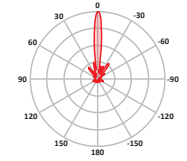
Sector MiMo 5GHz 90° Product ID: SECM590

| | |
|-----------------------|----------------------|
| Frequency Range | 5350 - 5850 MHz |
| Gain Max | 16.6 - 18dBi |
| Polarization | Dual linear, H and V |
| Cross Pol Isolation | 22dB min. |
| VSWR Typical | 1.2 |
| H pol BeamWidth | 102°(-6dB) |
| V pol BeamWidth | 93°(-6dB) |
| Elevation BeamWidth H | 9° |
| Elevation BeamWidth V | 8.6° |
| Wind Survival | max. 200km/h |

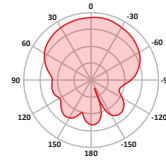
V-Pol radiation



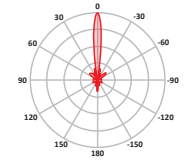
V-Pol elevation



H-Pol radiation



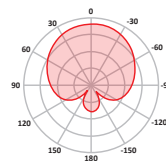
H-Pol elevation



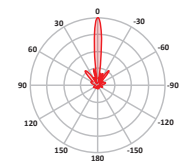
Sector MiMo 5GHz 120° Product ID: SECM5120

| | |
|-----------------------|----------------------|
| Frequency Range | 5350 - 5850 MHz |
| Gain Max | 16.4 - 16.8dBi |
| Polarization | Dual linear, H and V |
| Cross Pol Isolation | 22dB min. |
| VSWR Typical | 1.2 |
| H pol BeamWidth | 125°(-6dB) |
| V pol BeamWidth | 115°(-6dB) |
| Elevation BeamWidth H | 8.9° |
| Elevation BeamWidth V | 8.6° |
| Wind Survival | max. 200km/h |

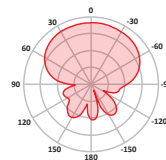
V-Pol radiation



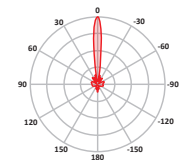
V-Pol elevation



H-Pol radiation



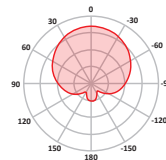
H-Pol elevation



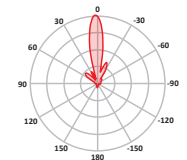
Sector MiMo 2.4GHz 90° Product ID: SECM290

| | |
|-----------------------|----------------------|
| Frequency Range | 2400 - 2485 MHz |
| Gain Max | 14 - 14.7dBi |
| Polarization | Dual linear, H and V |
| Cross Pol Isolation | 27dB min. |
| VSWR Typical | 1.2 |
| H pol BeamWidth | 90°(-6dB) |
| V pol BeamWidth | 105°(-6dB) |
| Elevation BeamWidth H | 17° |
| Elevation BeamWidth V | 15.6° |
| Wind Survival | max. 200km/h |

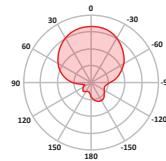
V-Pol radiation



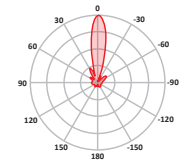
V-Pol elevation



H-Pol radiation



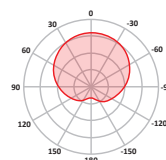
H-Pol elevation



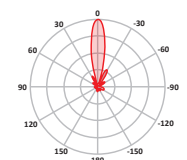
Sector MiMo 2.4GHz 120° Product ID: SECM2120

| | |
|-----------------------|----------------------|
| Frequency Range | 2400 - 2485 MHz |
| Gain Max | 13.6 - 13.9dBi |
| Polarization | Dual linear, H and V |
| Cross Pol Isolation | 26dB min. |
| VSWR Typical | 1.2 |
| H pol BeamWidth | 115°(-6dB) |
| V pol BeamWidth | 121°(-6dB) |
| Elevation BeamWidth H | 16.5° |
| Elevation BeamWidth V | 16.4° |
| Wind Survival | max. 200km/h |

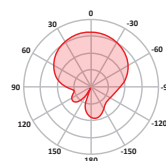
V-Pol radiation



V-Pol elevation



H-Pol radiation



H-Pol elevation

