

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.

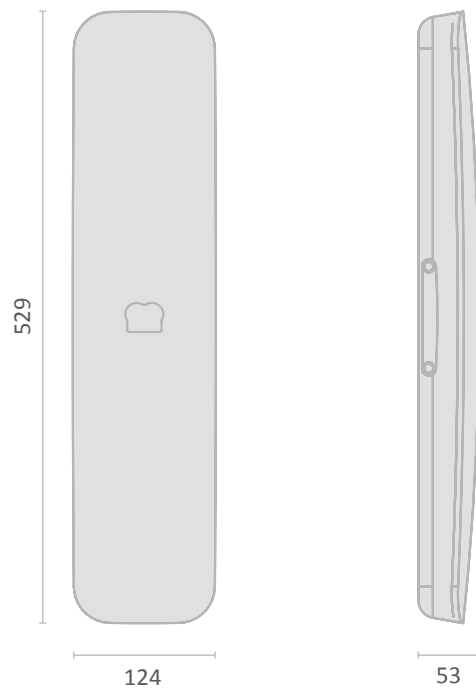
Antennas are equipped with quick mounting system compatible with RF elements StationBox® S, compact radio powered by MikroTik™ RouterBoard™ technology. Advanced, cross platform MiMo Sector solution for professional requirements.



TECHNICAL DATA

Materials	UV stabilized and weather resistant ABS plastic Die Cast Aluminium
Flame Rating	UL 94 HB
Mounting Diameter	50-70 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 × 29 × 67 cm

PRODUCT DIMENSIONS



COMPATIBLE WIRELESS PLATFORMS

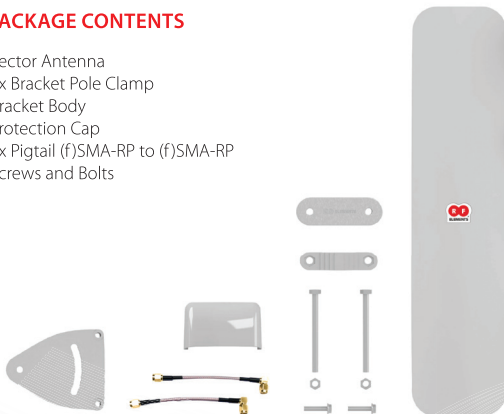
RF elements®	StationBox® Mikro, StationBox® S, StationBox® S CARRIER CLASS, RockShield™
Ubiquiti Networks™	UBNT Rocket™ M2, UBNT Rocket™ M5, UBNT Rocket™ M2 Titanium, UBNT Rocket™ M5 Titanium
Cambium Networks™	ePMP™ 1000 Connectorized Radio*
MikroTik™	BaseBox**

*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 AUGUST-2015

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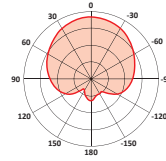
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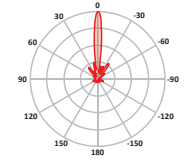
Sector MiMo 5GHz 90° Product ID: SECM590

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

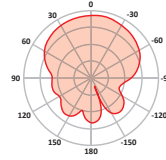
V-Pol radiation



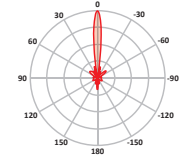
V-Pol elevation



H-Pol radiation



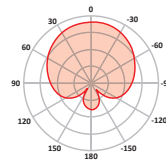
H-Pol elevation



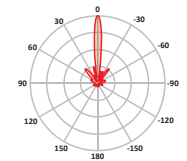
Sector MiMo 5GHz 120° Product ID: SECM5120

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

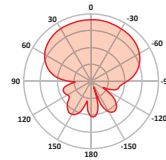
V-Pol radiation



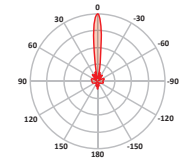
V-Pol elevation



H-Pol radiation



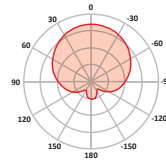
H-Pol elevation



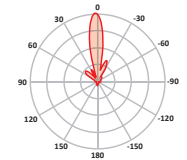
Sector MiMo 2.4GHz 90° Product ID: SECM290

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

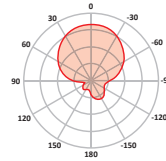
V-Pol radiation



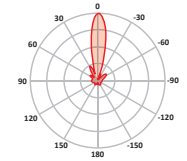
V-Pol elevation



H-Pol radiation



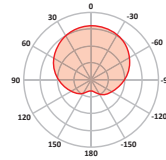
H-Pol elevation



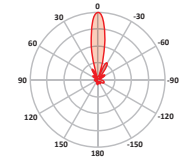
Sector MiMo 2.4GHz 120° Product ID: SECM2120

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

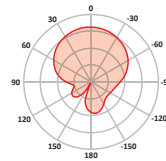
V-Pol radiation



V-Pol elevation



H-Pol radiation



H-Pol elevation

