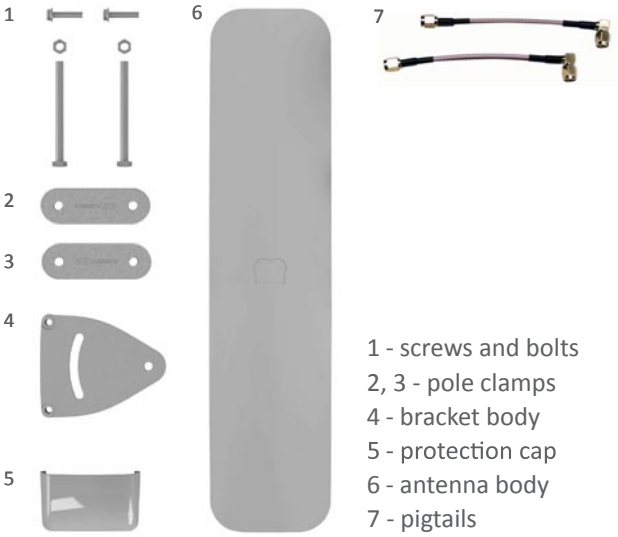
MiMo Sector Antennas

Base Station Solutions
Product Datasheet

RF elements MiMo Sector Antennas demonstrate new standard in 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.

SECTOR ANTENNA – WHAT IS IN PACKAGE



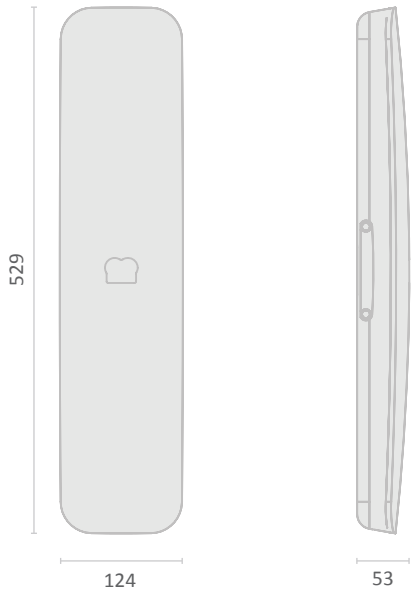
1 - screws and bolts
2, 3 - pole clamps
4 - bracket body
5 - protection cap
6 - antenna body
7 - pigtails

OTHER FEATURES

Made for MikroTik
WEATHER RESISTANT
FROST RESISTANT
MIMO MULTIPLE IN MULTIPLE OUT
UV RESISTANT
5 GHz
2.4 GHz
POLE MOUNT
ABS PLASTIC

technical data

Weight	1,4 kg / 3,1 lbs – Single Product 14,5 kg / 32,0 lbs – Carton Box
Material	ABS plastic - UV protected and weather resistant; Diecast Aluminium
Single Piece	Retail Box 70 x 130 x 640 mm 2,8 x 5,1 x 25,2 inches
10pcs Carton	Carton Box 660 x 270 x 351 mm 26 x 10,6 x 13,8 inches



Directly Supported radios/boards:

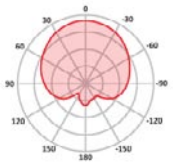
RF elements StationBox S powered by MikroTik	MikroTik RouterBoard RB711 Series, RB411 Series

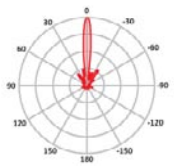
RF ELEMENTS™

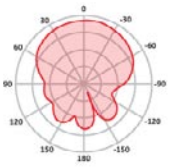
technical specification

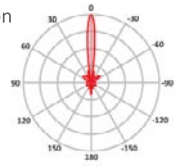
Sector mimo 5-90

Frequency Range	5350MHz - 5850MHz
Gain	16,6 - 18dBi
Polarization	Dual linear, H and V
Cross-pol. Isolation	22dB min.
Typical VSWR (max. 1,5)	1,2
Hpol Beamwidth	102°(-6dB)
V pol Beamwidth	93°(-6dB)
Elevation Beamwidth H	9°
Elevation Beamwidth V	8,6°
Windloading	max. 200km/h

V-Pol radiation 

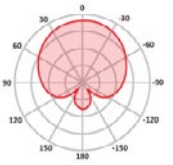
V-pol elevation 

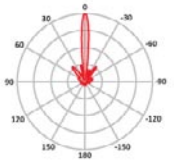
H-Pol radiation 

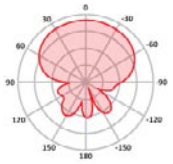
H-pol elevation 

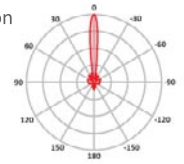
Sector mimo 5-120

Frequency Range	5350MHz - 5850MHz
Gain	16,4 - 16,8dBi
Polarization	Dual linear, H and V
Cross-pol. Isolation	22dB min.
Typical VSWR (max. 1,5)	1,2
Hpol Beamwidth	125°(-6dB)
V pol Beamwidth	115°(-6dB)
Elevation Beamwidth H	8,9°
Elevation Beamwidth V	8,6°
Windloading	max. 200km/h

V-Pol radiation 

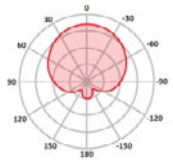
V-pol elevation 

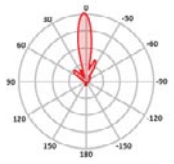
H-Pol radiation 

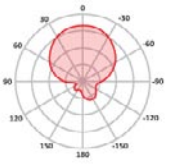
H-pol elevation 

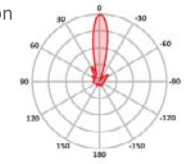
sector mimo 2-90

Frequency Range	2400MHz-2485MHz
Gain	14 - 14,7dBi
Polarization	Dual linear, H and V
Cross-pol. Isolation	27dB min.
Typical VSWR (max. 1,5)	1,2
Hpol Beamwidth	90°(-6dB)
V pol Beamwidth	105°(-6dB)
Elevation Beamwidth H	17°
Elevation Beamwidth V	15,6°
Windloading	max. 200km/h

V-Pol radiation 

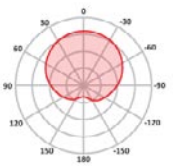
V-pol elevation 

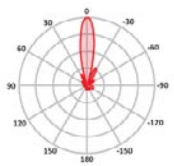
H-Pol radiation 

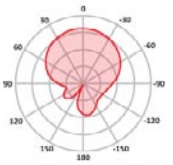
H-pol elevation 

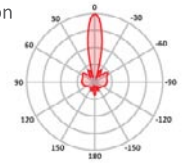
sector mimo 2-120

Frequency Range	2400MHz - 2485MHz
Gain	13,6 - 13,9dBi
Polarization	Dual linear, H and V
Cross-pol. Isolation	26dB min.
Typical VSWR (max. 1,5)	1,2
Hpol Beamwidth	115°(-6dB)
V pol Beamwidth	121°(-6dB)
Elevation Beamwidth H	16,5°
Elevation Beamwidth V	16,4°
Windloading	max. 200km/h

V-Pol radiation 

V-pol elevation 

H-Pol radiation 

H-pol elevation 

RF ELEMENTS™

www.rfelements.com

Base Station Solution

Mechanical Compatibility Table

Model	StationBox S	StationBox Mikro	UBNT Rocket M	Rocket GPS antenna integrated
RF elements MiMo Sectors	✓	✓	✓	✓ **
UBNT Airmax Sectors				
5G-17-90	–	–	✓	✓
5G-16-120	–	–	✓	✓
5G-20-90	✓	–	✓	✓
5G-19-120	✓	–	✓	✓
2G-16-90	✓	–	✓	✓
2G-15-120	✓	–	✓	✓
3G-120-18	✓	–	✓	✓
UBNT RocketDish				
RD-2G24	✓	✓ *	✓	✓
RD-5G30	✓	✓ *	✓	✓
RD-5G34	✓	✓ *	✓	✓
UBNT Airmax Omni				
AMO-2G10	✓ ***	–	✓	✓
AMO-2G13	✓ ***	–	✓	✓
AMO-5G10	✓ ***	–	✓	✓
AMO-5G13	✓ ***	–	✓	✓

* with antenna installed 180° upside-down
** GPS antenna fully integrated inside Sector
*** Special length pigtail required