

StationBox® XL

MiMo Antenna Enclosure
with Integrated
3-Axis Positioning System

Product Datasheet

StationBox®XL is MiMo Antenna Enclosure with integrated 3-Axis Positioning System Mount. StationBox®XL is made for MikroTik RB711, RB411 and RB433 series, as well as other boards.

Built-in Directional Hi-Gain Dual Polarization Antennas

StationBox® XL has built-in directional dual polarization antenna: 19dBi MiMo@5GHz or 14dBi MiMo@2.4GHz.

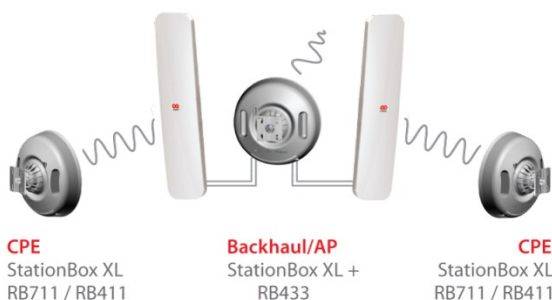
Made For Mikrotik RouterBoards RB411, RB711 and RB433 series

StationBox® XL was designed to incorporate MikroTik RouterBoards RB411, RB711 and RB433 series. RouterBoards are easy to attach and easy to install using special drawer. Visibility of RouterBoard LEDs is also maintained. StationBox® XL supports also other popular boards on the market as Alix, Compex, etc..



Versatility of Use

StationBox® XL allows you to install additional 4 SMA-RP bulkhead connectors, so you can fully utilize capacity of RB433 - install up to three dual chain wireless cards inside StationBox® XL and feed two additional external MiMo antennas.



Integrated 3-Axis Mounting Bracket for Wall or Pole Installation



StationBox® XL comes with ultimate positioning solution called 3-Axis Positioning System directly from factory. 3-Axis positioning systems allows you to unleash maximum possible transmission effectivity of MiMo Dual polarization wireless links.

Easy Installation

Our newest generation of 3-Axis positioning bracket uses ball hinge with special fast locking system that can be operated using single hand. StationBox® XL can be mounted on the pole or on the wall.



Built To Last

StationBox® XL is made of high quality UV resistant ABS plastic. Mount Base is made of Diecast Aluminium. All Hardware is made of Stainless Steel.

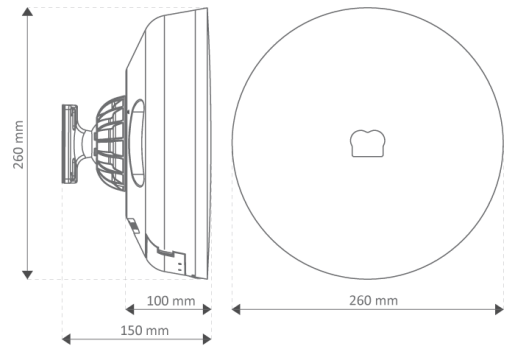


TECHNICAL DATA

Material	UV stabilized and weather resistant ABS plastic, Diecast Aluminium, Stainless Steel
Flame Rating	UL 94 HB
Mounting Diameter	50-70 mm
Operating Temp.	-30 to +60 °C
Wind Survival	120 Km/h
Weight	1.25 Kg / 2.75 lbs – single piece incl. package 13 Kg / 28.7 lbs – carton (10 pcs)
Single Piece	Retail Box: 34 × 27 × 10 cm
10 pcs Box	Carton Box: 35 × 28 × 100 cm

SUPPORTED BOARDS

COMPEX®	WPJ543, WPJ72R5N29, WPE72, WPE53G
MikroTik™ Router Boards	RB711, RB433, RB411 series
PC Engines™	Alix 2, Alix 3, Alix 6
Redwave®	RW2458N

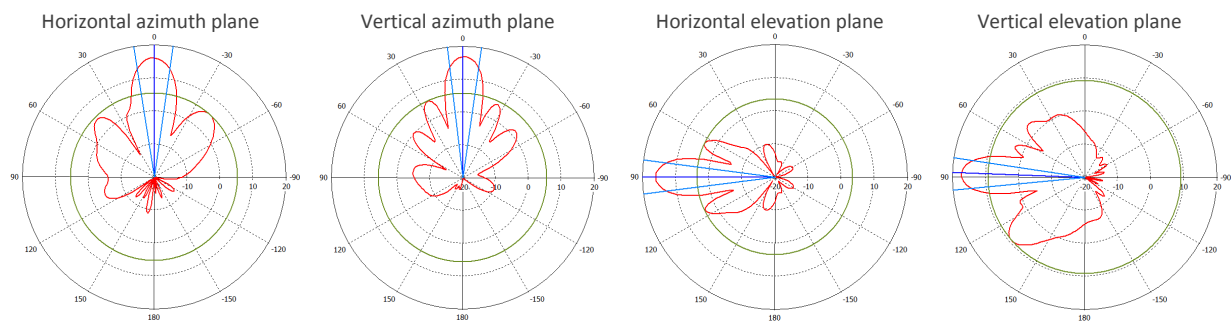


ANTENNA PARAMETERS

	5GHz 19dBi MiMo	2.4GHz 14dBi MiMo
Product ID:	SBXXL519	SBXXL214
Frequency Range:	5470-5850 MHz	2400-2485 MHz
Polarization:	Dual linear, Horizontal and Vertical	Dual linear, Horizontal and Vertical
Gain (IEEE - w/antenna loss), max*	19.0 dBi	14.0 dBi
Beamwidth, azimuth (H) plane*	15°	30°
Beamwidth, elevation (V) plane*	14°	31°
Front/Back ratio*	>24 dB	>24 dB
VSWR:*	max 1.5 (typical 1.25)	max 1.5 (typical 1.25)
Isolation between ports	27 dB	25 dB
Impedance:	50 Ohm	50 Ohm
Max. Input Power:	2 W	2 W
Antenna Connector(s):	2 x MMCX	2 x MMCX

* At frequency band center

RADIATION PATTERNS 5GHz 19dBi MiMo



RADIATION PATTERNS 2.4GHz 14dBi MiMo

