



BASE SECTOR ANTENNA

WiBOX SA D8M5-90-17HV SLIM SMA

Antenna **WiBOX SA D8M5-90-17HV SLIM SMA** is designed specially for the **Mimosa A5C**. The antenna comes with **No. 8 SMA Female** connectors (MIMO 8x8 - No. 8 ports), the solution offers 90° of coverage with the gain of 17 dBi in HV polarization which is recommended by Mimosa technical team. You need only one antenna for **Mimosa A5C**. The antenna is equipped with the fiber-glass **WiMount** mounting. Additional 3dBi of beam forming gain achieved by using the Mimosa **A5C**. Include special mounting kit for 2x Mimosa **A5C**.

ROHS



Electrical specification

Frequency	5.1 - 5.95 GHz
Gain	17 dBi
VSWR	<1.60, max < 2.00
Beamwidth	90°/9°
Polarization	H&V
Cross-Polar Isolation	
Front-to-Back	> 20 dB
Separation between Connectors	> 25 dB
Impedance	50 Ω
Max Input Power	50 W
Lighting Protection	No
DC Ground	Yes

Mechanic specification

Dimensions	39.2 x 39.6 x 7.7 cm 15.43 x 15.59 x 3.03 inch
Weight	0 kg
Connector	RJ45 & 8xSMA
Material	ABS
Waterproof level	IP67
Operating temperature	from -40°C to 70°C from -40°F to 158°F
Wind resistance	km/h

Mounting Kit

Dimensions	9.9 x 10.5 x 14.8 cm 3.9 x 4.13 x 5.83 inch
Regulation Range	+/- 30°
Weight	0.87 kg
Mast Dimensions Range	25 - 65mm
Material	Polyamide with fiberglass + galvanized steel U-Bolts

Features

- › Gain for the frequency of 5100 - 5950 MHz 8x 17 dBi
- › Polarization H&V for the frequency of 5100 - 5950 MHz
- › 8 x Connector SMA
- › Big, ergonomic and voluminous **WiBOX Large Slim** enclosure for radio equipment installation
- › Outdoor Waterproof Enclosure **WiBOX Large Slim**
- › Designed and resistant for any weather conditions
- › RJ45 Waterproof System
- › Grounding system protecting against lightning - DC Ground
- › 36 Warranty Months

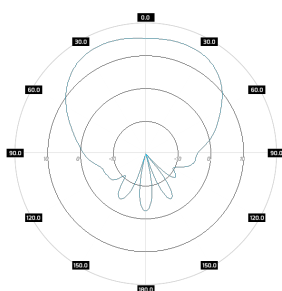
Systems

- › LTE band - 46, 47, 252, 255
- › WLAN - 5 GHz
- › WiMAX - 5 GHz
- › RFID - 5725 - 5875 MHz
- › ISM - 5725-5875 MHz

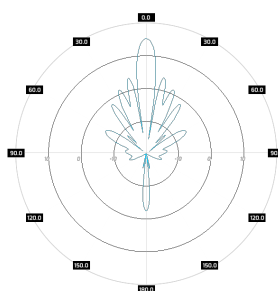
Compatible with

- › **MIMOSA** - A5C

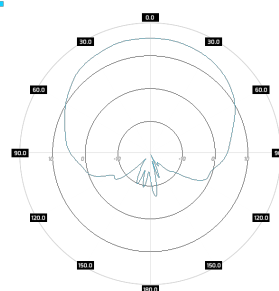
Plots



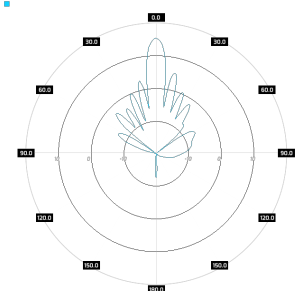
SA D8M5-90-17HV
azimuth, pol. H



SA D8M5-90-17HV
elev., pol. H



SA D8M5-90-17HV
azimuth, pol. H



SA D8M5-90-17HV
elev., pol. V