



## BASE SECTOR ANTENNA

# WiBOX SA D4M5-90-17HVX

**WiBOX SA D4M5-90-17HVX is H&V&X (slant) polarity MIMO 3x3/4x4 panel antenna, where each radiation stream is on separated polarity. It operates at 5.1 – 5.95 GHz with 17 dBi gain in all polarizations. The antenna is predicted for point-to-multipoint (PMP) connections. Due to high gain, it can be used for covering medium size areas or for hotspots in schools, stadiums, offices or some public places. Can work also with mobile devices. It can work indoor and outdoor (IP67) as well. Wide frequency band (5.1 – 5.95 GHz) allows to easily find suitable frequency for the operation. It works with the WLAN 802.11n/ac systems. SA D4M5-90-17HVX can work with Cisco, Aruba Networks, Huawei, Xirrus, MikroTik, Ubiquiti and others. The antenna is integrated with the top quality WiBOX Extra Large box system. The antenna comes with No. 4 RP SMA connectors.**

ROHS



### Electrical specification

Frequency	5.1 - 5.95 GHz
Gain	17 dBi
VSWR	<2.00
Beamwidth	8°/85° +/- 5°
Polarization	X,H&V
Cross-Polar Isolation	>20 dB
Front-to-Back	> 20 dB
Separation between Connectors	> 25 dB
Impedance	50 Ω
Max Input Power	
Lighting Protection	No
DC Ground	Yes

### Mechanic specification

Dimensions	29.2 x 48.6 x 10.6 cm 11.5 x 19.13 x 4.17 inch
Weight	3 kg
Connector	RJ45 & 4xSMA
Material	ABS
Waterproof level	IP67
Operating temperature	from -40°C to 80°C from -40°F to 176°F
Wind resistance	70km/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 4x 17 dBi
- › Polarization X,H&V for the frequency of 5100 - 5950 MHz
- › 4 x Connector SMA
- › Big, ergonomic and voluminous **WiBOX Extra Large** enclosure for radio equipment installation
- › Outdoor Waterproof Enclosure **WiBOX Extra Large**
- › Designed and resistant for any weather conditions
- › RJ45 Waterproof System
- › Grounding system protecting against lightning - DC Ground
- › 36 Warranty Months

### Systems

- › WLAN - 5 GHz
- › WiMAX - 5 GHz
- › RFID - 5725 - 5875 MHz
- › ISM - 5725-5875 MHz

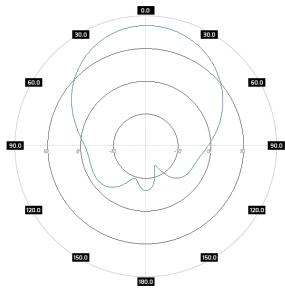
### Applications

- › Stadiums, Public Places
- › Hotspot
- › PtP connections
- › PtM Connections
- › System Integration

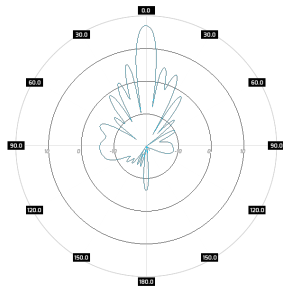
### Compatible with

- › **Cisco** - Aironet 3702e, Aironet 3702p, Aironet 3602e, Aironet 2702e, Aironet 2602e, Aironet 1602e, Aironet 1532e, Aironet 1552h

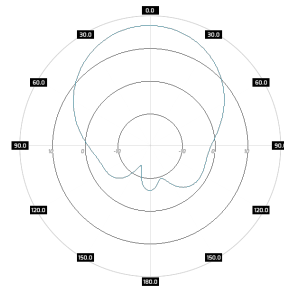
### Plots



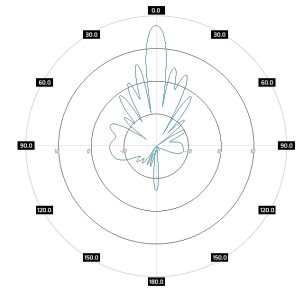
SA M5-90-17X  
Port 1, azimuth



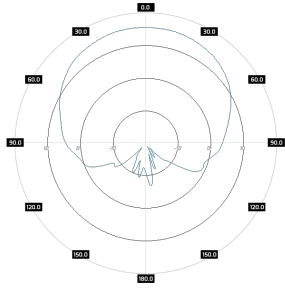
SA M5-90-17X  
Port 1, elev.



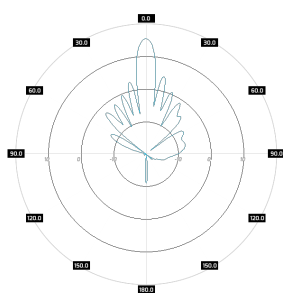
SA M5-90-17X  
Port 2, azimuth



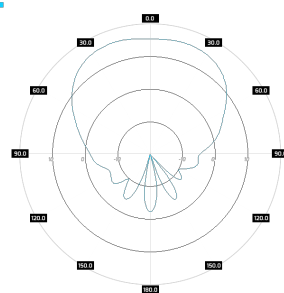
SA M5-90-17X  
Port 2, elev.



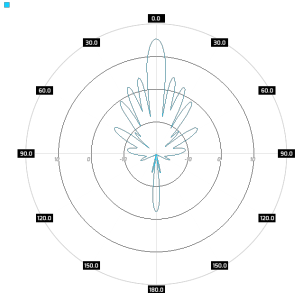
SA M5-90-17HV  
Pol H, azimuth



SA M5-90-17HV  
Pol H, elev.



SA M5-90-17HV  
Pol V, azimuth



SA M5-90-17HV  
Pol V, elev.