



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
Mount 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 lighting - 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

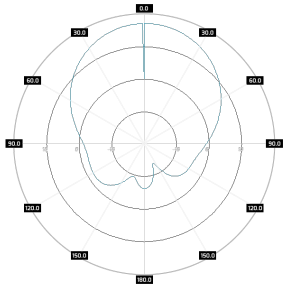
Applications

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

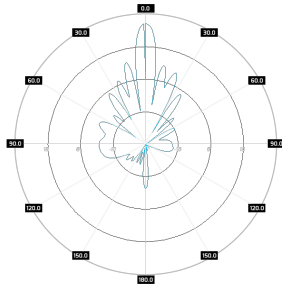
Compatible with

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

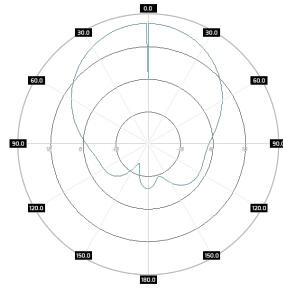
Plots



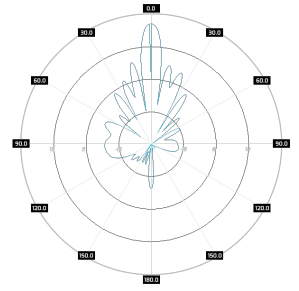
SA M5-90-17X
Port 1, azimuth



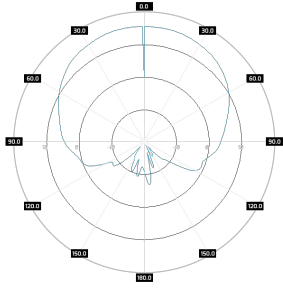
SA M5-90-17X
Port 1, elev.



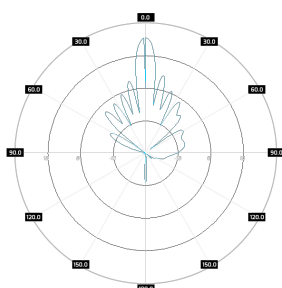
SA M5-90-17X
Port 2, azimuth



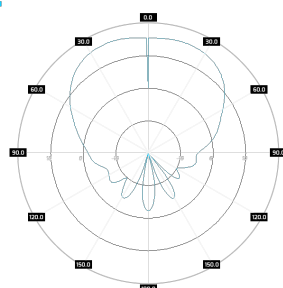
SA M5-90-17X
Port 2, elev.



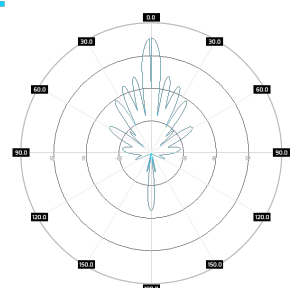
SA M5-90-17HV
Pol H, azimuth



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



SA M5-90-17HV
Pol V, azimuth



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