



## BASE SECTOR ANTENNA

# WiBOX SA 5-90-17H

**WiBOX SA 5-90-17H** is a **sector antenna (SISO)** operating at the frequency band of: **5.1 – 5.85 GHz** with **17 dBi** gain, in **horizontal** polarization. The antenna can be used in **point-to-multipoint (PMP)** topology for covering medium and big size areas or as the **hotspot in schools, halls, stadiums or another public places**. It can work **indoor and outdoor (IP 67)**. It works with the systems of: **WLAN (802.11a), Bluetooth, ISM, RFID**. The antenna is integrated with the top quality **WiBOX Extra Large** box system.


 ROHS


 DC GROUND


 IP67


 UV RESISTANT


 ABS

### Electrical specification

Frequency	5.1 - 5.85 GHz
Gain	17 dBi
VSWR	<2.00
Beamwidth	9°/90°
Polarization	H
Cross-Polar Isolation	
Front-to-Back	
Separation between Connectors	
Impedance	50 Ω
Max Input Power	50 W
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	2.5 kg
Connector	RJ45
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 - 5850 MHz 0x 17 dBi
- › Polarization H for the frequency of 5100 - 5850 MHz
- › 0 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

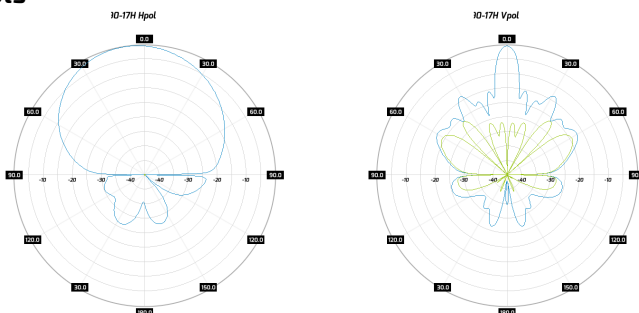
### Systems

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

### Applications

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

### Plots



Radiation pattern WiBOX SA 5-90-17H Pol H Radiation pattern WiBOX SA 5-90-17H Pol V