



## 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



### 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<br>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<br>from -40°F to 176°F         |
| Wind resistance       | 70km/h  |

### Mounting Kit

|                       |   |
|-----------------------|---|
| Dimensions            | 9.9 x 10.5 x 14.8 cm<br>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 +<br>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

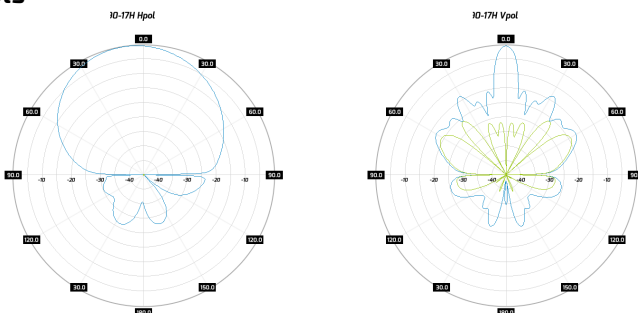
### Systems

- LTE band - 46, 252, 255
- 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