



## BASE SECTOR ANTENNA

# WiBOX SA 24-90-12H

**WiBOX SA 24-90-12H** is a **sector antenna (SISO)** operating at the frequency band of: **2.4 – 2.5 GHz** with **12 dBi** gain, in **horizontal** polarization. The antenna can be used in **point-to-multipoint (PMP)** topology for covering small and medium 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 (802.11b/g)**, **Bluetooth**, **ISM**, **RFID**. The antenna is integrated with the top quality **WiBOX Medium** box system.

ROHS



### Electrical specification

|                               |               |
|-------------------------------|---------------|
| Frequency                     | 2.4 - 2.5 GHz |
| Gain                          | 12 dBi        |
| VSWR                          | <2.00         |
| Beamwidth                     | 30°/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            | 27.2 x 27.6 x 9.6 cm<br>10.71 x 10.87 x 3.78 inch |
| Weight                | 1.4 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   |
| Most Dimensions Range | 25 - 65mm   |
| Material              | Polyamide with fiberglass +<br>galvanized steel U-Bolts |

### Features

- › Gain for the frequency of 2400 - 2500 MHz 0x 12 dBi
- › Polarization H for the frequency of 2400 - 2500 MHz
- › 0 x Connector SMA
- › Big, ergonomic and voluminous **WiBOX Medium** enclosure for radio equipment installation
- › Outdoor Waterproof Enclosure **WiBOX Medium**
- › Designed and resistant for any weather conditions
- › RJ45 Waterproof System
- › Grounding system protecting against lightning - DC Ground
- › 36 Warranty Months

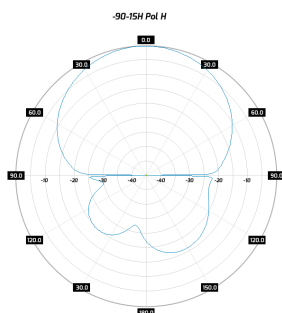
### Systems

- › LTE band - 40, 41, 53
- › WLAN - 2.4 GHz
- › WiMAX - 2.3 GHz, 2.5 GHz
- › RFID - 2400 - 2483 MHz
- › Bluetooth - 2400-2483 MHz
- › ISM - 2400-2483 MHz

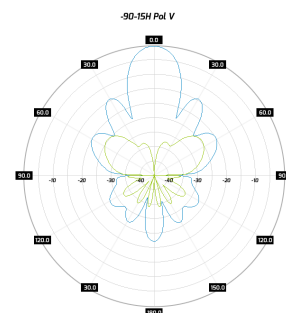
### Applications

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

### Plots



Radiation pattern WiBOX SA 24-90-15H Pol H



Radiation pattern WiBOX SA 24-90-15H Pol V