**BASE SECTOR ANTENNA**

**WiBOX SA 24-90-15V**

WiBOX SA 24-90-15V is a sector antenna (SISO) operating at the frequency band of: 2.4 – 2.5 GHz with 15 dBi gain, in vertical 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 (802.11b/g), Bluetooth, ISM, RFID. The antenna is integrated with the top quality WiBOX Extra Large box system.

### Electrical specification
- **Frequency**: 2.4 - 2.5 GHz
- **Gain**: 15 dBi
- **VSWR**: <2.00
- **Beamwidth**: 10°/90°
- **Polarization**: V
- **Cross-Polar Isolation**: 50 dB
- **Front-to-Back Separation between Connectors**: 50 dB
- **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

### Systems
- **LTE band - 40, 41**
- **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**

### Features
- Gain for the frequency of 2400 - 2500 MHz 15 dBi
- Polarization V for the frequency of 2400 - 2500 MHz
- 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

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