



BASE SECTOR ANTENNA

WiBOX SA 24-90-12V

WiBOX SA 24-90-12V is a **sector antenna (SISO)** operating at the frequency band of: **2.4 – 2.5 GHz** with **12 dBi** gain, in **vertical** 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 | V |
| 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 10.71 x 10.87 x 3.78 inch |
| Weight | 1.5 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 | 250 - 650mm |
| Material | Polyamide with fiberglass + galvanized steel U-Bolts |

Features

- Gain for the frequency of 2400 - 2500 MHz 0x 12 dBi
- Polarization V 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

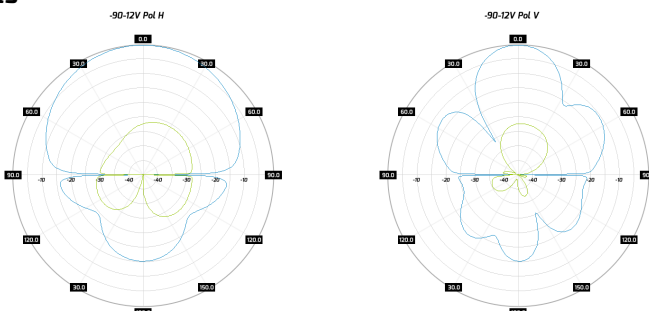
Systems

- LTE band - 40, 41
- 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 24-90-12V Pol H Radiation pattern WiBOX SA 24-90-12V Pol V