



## 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.**



### 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	25 - 65mm
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

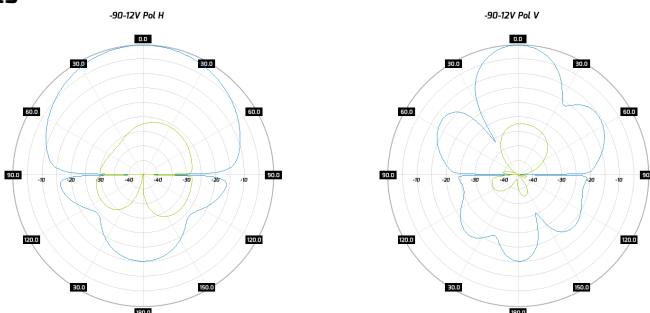
### Systems

- 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