



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

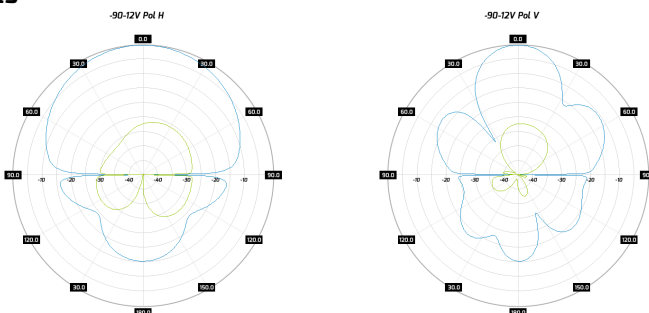
Systems

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