**BASE SECTOR ANTENNA**

**WiBOX SA M25-90-12HV**

WiBOX SA M25-90-12HV is a MIMO 2x2 sector antenna operating at the frequency band: 2.3 – 2.65 GHz with 12 dBi gain. The antenna can be used in point-to-multipoint (PMP) topology for covering small and medium size areas 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/n), WiMAX, LTE, Bluetooth, ISM, RFID. The antenna is integrated with the top quality WiBOX Medium box system.

### Electrical specification

- **Frequency**: 2.35 - 2.65 GHz
- **Gain**: 12 dBi
- **VSWR**: < 2.00
- **Beamwidth**: 30°/90°
- **Polarization**: H&V
- **Cross-Polar Isolation**: > 20 dB
- **Front-to-Back**: > 20 dB
- **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**: 1.6 kg
- **Connector**: RJ45 & 2xSMA
- **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 2350 - 2650 MHz 2x 12 dBi
- Polarization H&V for the frequency of 2350 - 2650 MHz
- 2 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 lighting - DC Ground
- 36 Warranty Months

### Systems

- **LTE band**: 7, 38, 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
- PMP Connections
- System Integration

### Plots

- Radiation pattern WiBOX SA 24-90-12H Pol H
- Radiation pattern WiBOX SA 24-90-12H Pol V
- Radiation pattern WiBOX SA 24-90-12V Pol H
- Radiation pattern WiBOX SA 24-90-12V Pol V