



## BASE SECTOR ANTENNA

# WiBOX SA M25-90-12X

**WiBOX SA M25-90-12X** 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.


 ROHS


 DC GROUND


 IP67


 UV RESISTANT


 ABS

### Electrical specification

|                               |                 |
|-------------------------------|-----------------|
| Frequency                     | 2.35 - 2.65 GHz |
| Gain                          | 12 dBi          |
| VSWR                          | <2.00           |
| Beamwidth                     | 30°/90°         |
| Polarization                  | X               |
| Cross-Polar Isolation         | 24dB dB         |
| Front-to-Back                 | > 20 dB         |
| Separation between Connectors | > 25 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<br>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<br>from -40°F to 176°F         |
| Wind resistance       | 70km/h  |

### Mounting Kit

|                       |   |
|-----------------------|---|
| Dimensions            | 9.9 x 10.5 x 14.8 cm<br>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 +<br>galvanized steel U-Bolts |

### Features

- › Gain for the frequency of 2350 - 2650 MHz 2x 12 dBi
- › Polarization X 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 lightning - DC Ground
- › 36 Warranty Months

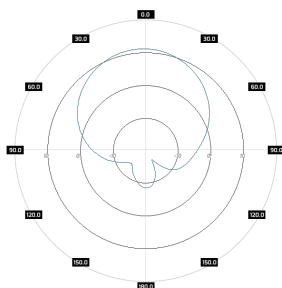
### Systems

- › 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

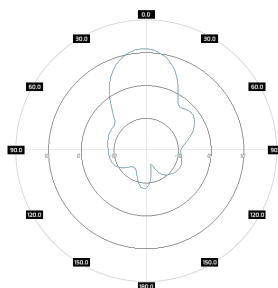
### Applications

- › Stadiums, Public Places
- › Hotspot
- › PtM Connections
- › System Integration

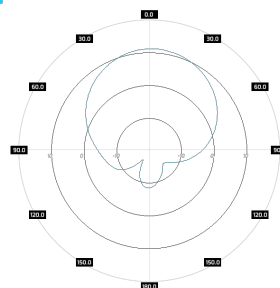
### Plots



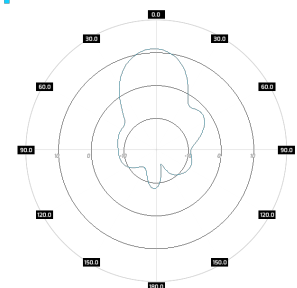
SA M25-90-12X  
Port 1, azimuth



SA M25-90-12X  
Port 1, elev.



SA M25-90-12X  
Port 2, azimuth



SA M25-90-12X  
Port 2, elev.