



BASE SECTOR ANTENNA **WiBOX SA M5-90-14X**

WiBOX SA M5-90-14X is an X polarity MIMO 2x2 sector antenna operating at a frequency range of: 5.1 - 5.85 GHz with 14 dBi gain. The antenna is predicted for point-to-multipoint (PMP) connections, can be used for covering small and medium areas as a base station for client stations or as the hotspot in schools, halls, stadiums or another public places. It can work indoor and outdoor (IP 67). It works with the WLAN 802.11n/ac systems. The antenna is integrated with the top quality WiBOX Medium box system.

ROHS



Electrical specification

| | |
|-------------------------------|----------------|
| Frequency | 5.1 - 5.85 GHz |
| Gain | 14 dBi |
| VSWR | <2.00 |
| Beamwidth | 16°/90° |
| Polarization | X |
| Cross-Polar Isolation | 20 dB |
| Front-to-Back | > 20 dB |
| Separation between Connectors | > 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 |
| Most Dimensions Range | 25 - 65mm |
| Material | Polyamide with fiberglass + galvanized steel U-Bolts |

Features

- › Gain for the frequency of 5100 - 5850 MHz 2x 14 dBi
- › Polarization X for the frequency of 5100 - 5850 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

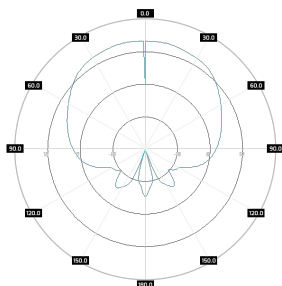
Systems

- › LTE band - 46, 252, 255
- › WLAN - 5 GHz
- › WiMAX - 5 GHz
- › RFID - 5725 - 5875 MHz
- › ISM - 5725-5875 MHz

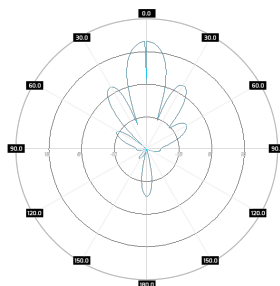
Applications

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

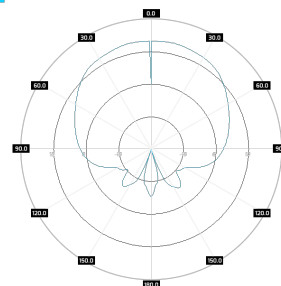
Plots



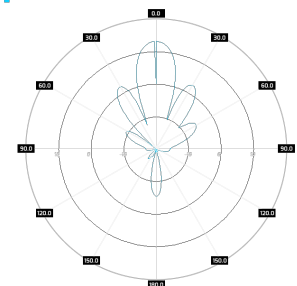
SA M5-90-14X
port 1, azimuth



SA M5-90-14X
port 1, elev.



SA M5-90-14X
port 2, azimuth



SA M5-90-14X
port 2, elev.