



## BASE SECTOR ANTENNA

# WiBOX SA M5-90-17X

**WiBOX SA M5-90-17X** is an **X-polarity (slant) MIMO 2x2 sector antenna** operating at a frequency range of: **5.0 - 6.0 GHz** with **17 dBi** gain. The antenna is predicted for **point-to-multipoint (PMP)** connections, can be used for covering medium and big areas as **a base station** for client stations or as the **hotspot in schools, halls, stadiums or another public places**. Due to **slant (+/- 45 Deg) polarization**, **SA M5-90-17X** can be used in interfered environment. 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 Extra Large** box system.

ROHS



### Electrical specification

|                               |           |
|-------------------------------|-----------|
| Frequency                     | 5 - 6 GHz |
| Gain                          | 17 dBi ±1 |
| VSWR                          | <2.00     |
| Beamwidth                     | 8°/80°    |
| Polarization                  | X         |
| Cross-Polar Isolation         | 25 dB     |
| Front-to-Back                 | > 24 dB   |
| Separation between Connectors | > 22 dB   |
| Impedance                     | 50 Ω      |
| Max Input Power               | 50 W      |
| Lighting Protection           | No        |
| DC Ground                     | Yes       |

### Mechanic specification

|                       |   |
|-----------------------|---|
| Dimensions            | 29.2 x 48.6 x 10.6 cm<br>11.5 x 19.13 x 4.17 inch |
| Weight                | 2.9 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 5000 - 6000 MHz 2x 17 dBi ±1
- Polarization X for the frequency of 5000 - 6000 MHz
- 2 x Connector SMA
- Big, ergonomic and voluminous **WiBOX Extra Large** enclosure for radio equipment installation
- Outdoor Waterproof Enclosure **WiBOX Extra Large**
- Designed and resistant for any weather conditions
- RJ45 Waterproof System
- Grounding system protecting against lightning - DC Ground
- 36 Warranty Months

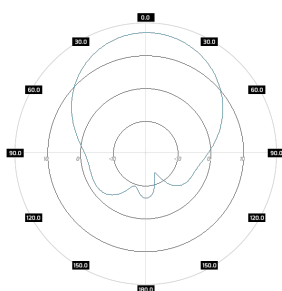
### Systems

- LTE band - 46, 47, 252, 255
- WLAN - 5 GHz
- WiMAX - 5 GHz
- RFID - 5725 - 5875 MHz
- ISM - 5725-5875 MHz

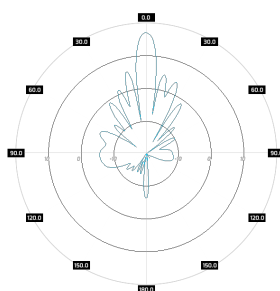
### Applications

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

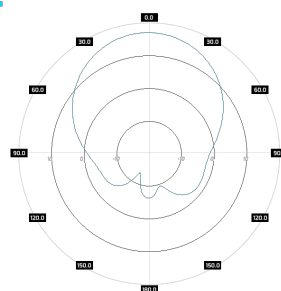
### Plots



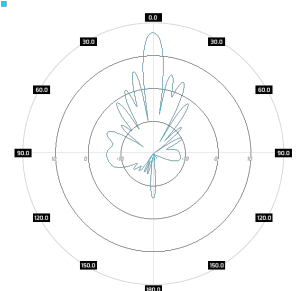
SA M5-90-17X  
Port 1, azimuth



SA M5-90-17X  
Port 1, elev.



SA M5-90-17X  
Port 2, azimuth



SA M5-90-17X  
Port 2, elev.