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.

**Electrical specification**

- **Frequency**: 5 - 6 GHz
- **Gain**: 17 dB ±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
  - 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
  - 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 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 lighting - DC Ground
- 36 Warranty Months

**Systems**

- WLAN - 5 GHz
- WiMAX - 5 GHz
- RFID - 5725 - 5875 MHz
- ISM - 5725-5875 MHz

**Applications**

- Stadiums, Public Places
- Hotspot
- PMP 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.