**BASE SECTOR ANTENNA**

**WiBOX SA M5-90-17HV SLIM RBR NF**

WiBOX SA M5-90-17HV SLIM RBR NF is an H&V polarity MIMO 2x2 sector antenna operating at a frequency range of 5.1 - 5.95 GHz with 17 dBi gain. Wireless Instruments technical division developed special radiator RBR (Reduced-Back-Radiation) which minimizes F/B (Front-to-Back) factor, so this eliminates co-location problem. 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 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 comes with No. 2 of N Female connectors, it’s integrated with the top quality WiBOX Extra Large Slim box system.

### Electrical specification
- **Frequency**: 5.1 - 5.95 GHz
- **Gain**: 17 dBi
- **VSWR**: <2.00
- **Beamwidth**: 8°/90°
- **Polarization**: H&V
- **Cross-Polar Isolation**: > 32 dB
- **Front-to-Back**: > 32 dB
- **Impedance**: 50 Ω
- **Max Input Power**: 50 W
- **Lighting Protection**: No
- **DC Ground**: No

### Mechanic specification
- **Dimensions**: 29.2 x 48.6 x 7.1 cm (11.5 x 19.13 x 2.8 inch)
- **Weight**: 2.5 kg
- **Connector**: 2xN Female
- **Material**: ABS
- **Waterproof level**: IP67
- **Operating temperature**: from -40°C to +70°C
- **Wind resistance**: km/h
- **Regulation Range**: +/- 30°
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- **Material**: Polyamide with fiberglass + galvanized steel U-Bolts
- **Mounting Kit**: Dimensions 9.9 x 10.5 x 14.8 cm (3.9 x 4.13 x 5.83 inch)
- **Weight**: 0.87 kg
- **Mast Dimensions Range**: 25 - 65 mm
- **Material**: Polyamide with fiberglass + galvanized steel U-Bolts

### Features
- Gain for the frequency of 5100 - 5950 MHz 2x 17 dBi
- Polarization H&V for the frequency of 5100 - 5950 MHz
- 2 x Connector N Female
- Big, ergonomic and voluminous WiBOX Extra Large Slim 2xN enclosure for radio equipment installation
- Outdoor Waterproof Enclosure WiBOX Extra Large Slim 2xN
- Designed and resistant for any weather conditions
- 36 Warranty Months

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

### Applications
- Stadiums, Public Places
- Hotspot
- PAM Connections

### Compatible with
- MIMOSA - A5C

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**Plots**