BASE SECTOR ANTENNA
WiBOX SA M3-90-16HV

WiBOX SA M3-90-16HV is an H&V-polarity MIMO 2x2 sector antenna operating at a frequency range of: 3.35 - 3.8 GHz with 16 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. It can work indoor and outdoor (IP 67). It works with WiMAX and LTE (bands 22, 42, 43) systems. The antenna is integrated with the top quality WiBOX Extra Large box system.

Electrical specification
- Frequency: 3.35 - 3.8 GHz
- Gain: 16 dBi
- VSWR: <1.00, max < 1.00
- Beamwidth: 8°/90°
- Polarization: H&V
- Cross-Polar Isolation: > 20 dB
- Front-to-Back: > 32 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
- Weight: 2.9 kg
- Connector: RJ45 & 2xSMA
- Material: ABS
- Waterproof level: IP67
- Operating temperature: from -40°C to 80°C
- Wind resistance: 70km/h

Mounting Kit
- Dimensions: 9.9 x 10.5 x 14.8 cm
- 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 3350 - 3800 MHz 2x 16 dBi
- Polarization H&V for the frequency of 3350 - 3800 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
- LTE band - 22, 42, 43
- WLAN - 3.6 GHz
- WiMAX - 3.5 GHz

Applications
- Stadiums, Public Places
- Hotspot
- PIM Connections
- System Integration

Plots
- Radiation pattern Port 1 H Plane
- Radiation pattern Port 1 V Plane
- Radiation pattern Port 2 H Plane
- Radiation pattern Port 2 V Plane