



BASE SECTOR ANTENNA

WiBOX SA M6-90-17HV

WiBOX SA M6-90-17HV is an H&V polarity MIMO 2x2 sector antenna operating at a frequency range of: 5.6 - 6.5 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. 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 - 6.5 GHz |
| Gain | 17 dBi ±1 |
| VSWR | <1.50, max < 1.80 |
| Beamwidth | 8°/90° |
| Polarization | H&V |
| Cross-Polar Isolation | |
| Front-to-Back | > 30 dB |
| Separation between Connectors | > 50 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 | 2.7 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 5600 - 6500 MHz 2x 17 dBi ±1
- › Polarization H&V for the frequency of 5600 - 6500 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

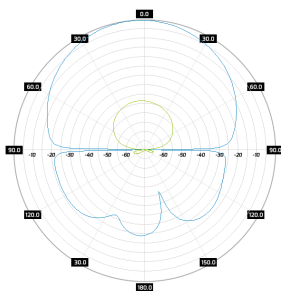
Systems

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

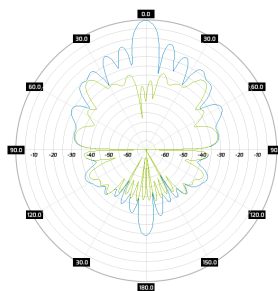
Applications

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

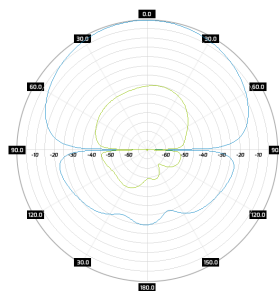
Plots



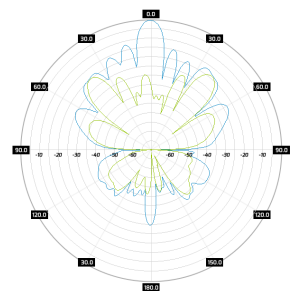
Radiation pattern Port 1 Pol H



Radiation pattern Port 1 Pol V



Radiation pattern Port 2 Pol H



Radiation pattern Port 2 Pol V