



BASE SECTOR ANTENNA

WiBOX SA M5-90-17HV

WiBOX SA M5-90-17HV is an H&V polarity MIMO 2x2 sector antenna operating at a frequency range of: **5.1 - 5.95 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


 DC GROUND


 IP67


 UV RESISTANT


 ABS

Electrical specification

| | |
|-------------------------------|----------------|
| Frequency | 5.1 - 5.95 GHz |
| Gain | 17 dBi |
| VSWR | <2.00 |
| Beamwidth | 9°/90° |
| Polarization | H&V |
| Cross-Polar Isolation | |
| Front-to-Back | |
| Separation between Connectors | |
| 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 | 2.5 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 |
| Most Dimensions Range | 25 - 65mm |
| 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 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

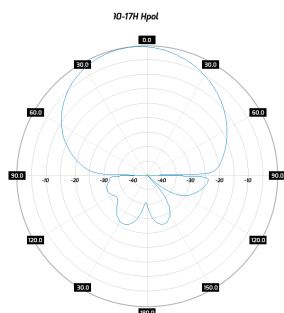
Systems

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

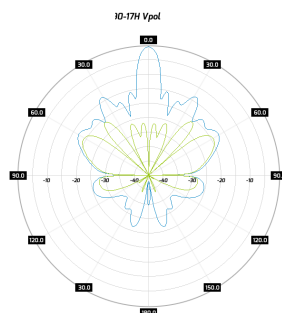
Applications

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

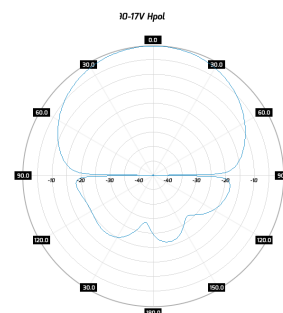
Plots



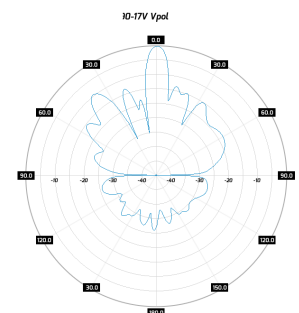
Radiation pattern WiBOX SA 5-90-17H
Pol H



Radiation pattern WiBOX SA 5-90-17H
Pol V



Radiation pattern WiBOX SA 5-90-17V
Pol H



Radiation pattern WiBOX SA 5-90-17V
Pol V