



DUAL BAND ANTENNA

WiBOX SA DB245-90-17HV

WiBOX SA DB245-90-17HV is a dual band sector antenna (SISO) (2.4GHz - H; 5 GHz - V) operating at two frequency bands: 2.4 - 2.5 GHz with 15 dBi gain and 5.1 - 5.85 GHz with 17 dBi gain. The antenna can be used in point-to-multipoint (PMP) topology for covering medium size areas or as the hotspot in schools, halls, stadiums or another public places. It can work indoor and outdoor (IP 67). It works with the systems of: WLAN (802.11a/b/g), Bluetooth, ISM, RFID. The antenna is integrated with the top quality **WiBOX Extra Large** box system.

ROHS



Electrical specification

| | |
|-------------------------------|---------------------------------|
| Frequency | 2.4 - 2.5 GHz 5.1 - 5.85 GHz |
| Gain | 15 dBi 17 dBi |
| VSWR | <2.00 <2.00 |
| Beamwidth | 9°/90° 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 |
| 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 2400 - 2500 MHz 0x 15 dBi
- Polarization H for the frequency of 2400 - 2500 MHz
- Gain for the frequency of 5100 - 5850 MHz 0x 17 dBi
- Polarization V for the frequency of 5100 - 5850 MHz
- 0 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

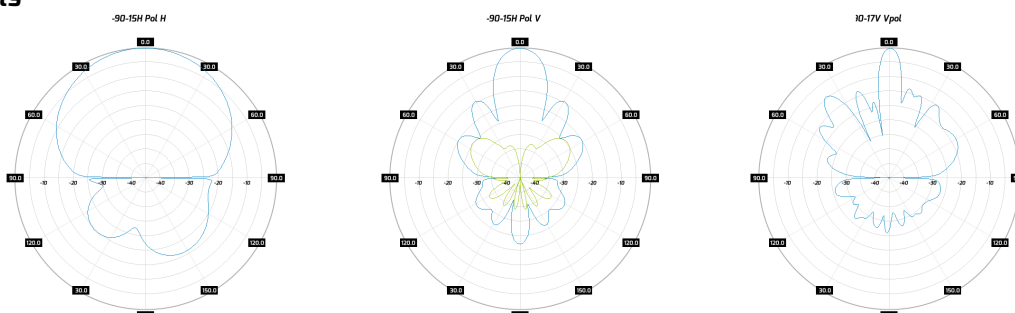
Systems

- LTE band - 40, 41, 46, 53, 252, 255
- WLAN - 2.4 GHz, 5 GHz
- WiMAX - 2.3 GHz, 2.5 GHz, 5 GHz
- RFID - 2400 - 2483 MHz, 5725 - 5875 MHz
- Bluetooth - 2400-2483 MHz
- ISM - 2400-2483 MHz, 5725-5875 MHz

Applications

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

Plots



Radiation pattern WiBOX SA 24-90-15H Pol HRadiation pattern WiBOX SA 24-90-12H Pol VRadiation pattern WiBOX SA 5-90-17V Pol V