HIGH-DENSITY DUAL BAND BASE SECTOR ANTENNA

WiBOX SA M6DBC245-65-9HVX

SA M6DBC245-65-9HVX is dual band concurrent (DBC) (2.4 and 5 GHz) slant (+/-45deg) and H&V polarity MIMO 6x6 panel antenna. It can operate at two frequencies simultaneously, at 2.4 GHz and at 5 GHz. According to medium gain, it can be used on short and medium distances, for example for hotspots in schools, stadiums, offices or some public places. Can work also with mobile devices. It can work indoor and outdoor (IP67) as well. Wide frequency band (2.4-2.5 GHz & 4.9-6.0 GHz) allows to easily find suitable frequency for the operation. The antenna comes with No. 6 RP SMA plug connectors (it could be also with RP TNC, MMCX or u.FL connectors), and it’s designed for work in concurrent dual band technology, which means that SA M6DBC245-65-9HVX radiates simultaneously at both operating frequencies using only one single connector for 2.4 and 5 GHz signal. It’s predicted for special high-density Access Points working in the systems where two bands (frequencies) are diplexed in one antenna connector, from the companies as Cisco, Aruba Networks, Huawei, Xirrus and others. The antenna is integrated with the top quality WiBOX Medium box system.

Electrical specification

- Frequency: 2.4 - 2.5 GHz, 4.9 - 6 GHz
- Gain: 8 dBi ±1, 9 dBi ±1
- VSWR: <1.50, max < 1.80
- Beamwidth: 70°/70° +/- 5°, 65°/65° +/- 5°
- Polarization: X,H&V, X,H&V
- Cross-Polar Isolation: > 17 dB, > 22 dB
- Front-to-Back: > 30 dB, > 47 dB
- Impedance: 50 Ω
- Max Input Power: 50 W
- Lighting Protection: No
- DC Ground: Yes

Mechanic specification

- Dimensions: 27.2 x 27.6 x 9.6 cm, 10.71 x 10.87 x 3.78 inch
- Weight: 1.8 kg
- Connector: RJ45 & 6x6 RP TNC (Cisco, Xirrus) / RP SMA (Aruba, Ruckus) / MMCX / u.FL
- 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 6x 8 dBi ±1
- Polarization: X,H&V for the frequency of 2400 - 2500 MHz
- Gain for the frequency of 4900 - 6000 MHz 6x 9 dBi ±1
- Polarization: X,H&V for the frequency of 4900 - 6000 MHz
- 6 x Connector 6x RP TNC (Cisco, Xirrus) / RP SMA (Aruba, Ruckus) / MMCX / u.FL
- Big, ergonomic and voluminous WiBOX Medium enclosure for radio equipment installation
- Outdoor Waterproof Enclosure WiBOX Medium
- Designed and resistant for any weather conditions
- RJ45 Waterproof System
- Grounding system protecting against lighting - DC Ground
- 36 Warranty Months

Systems

- LTE band - 40, 41
- 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
- PtP connections
- PIM Connections
- System Integration

Compatible with

- Cisco: Aironet 3702e, Aironet 3602e, Aironet 3502e, Aironet 2702e, Aironet 2602e, Aironet 1602e, Aironet 1552E, Aironet 1552EU, Aironet 1552H
- Ruckus Wireless: ZoneFlex 7372-E
- Huawei - AP 7110DN-6N, AP 7110DN-AGN, AP 6610DN-AGN
- Xirrus - XR - 520, XR - 2425H