



DUAL BAND PTP/CLIENT ANTENNA

WiBOX SA MDB255-90-14HV

WiBOX SA MDB255-90-14HV is a **dual band MIMO 2x2 sector antenna (2.5GHz - H&V; 5 GHz - H&V)** operating at two frequency bands: **2.3 - 2.65 GHz** with **12 dBi** gain and **5.1 - 5.95 GHz** with **14 dBi** gain. The antenna can be used in **point-to-multipoint (PMP)** topology for covering medium size areas 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/n/ac), WiMAX, LTE, Bluetooth, ISM, RFID**. The antenna is integrated with the top quality **WiBOX Medium** box system.

ROHS



Electrical specification

Frequency	2.3 - 2.65 GHz 5.1 - 5.95 GHz
Gain	12 dBi 14 dBi
VSWR	<2.00 <2.00
Beamwidth	90°/30° 90°/16°
Polarization	H&V H&V
Cross-Polar Isolation	
Front-to-Back	> 20 dB > 20 dB
Separation between Connectors	> 20 dB > 20 dB
Impedance	50 Ω
Max Input Power	50 W
Lighting Protection	No
DC Ground	No

Mechanic specification

Dimensions	29.2 x 48.6 x 7.1 cm 11.5 x 19.13 x 2.8 inch
Weight	1.6 kg
Connector	RJ45 & 4xSMA
Material	ABS
Waterproof level	IP67
Operating temperature	from -40 +70°C to °C from -40°F to 32°F
Wind resistance	km/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 2300 - 2650 MHz 4x 12 dBi
- Polarization H&V for the frequency of 2300 - 2650 MHz
- Gain for the frequency of 5100 - 5950 MHz 4x 14 dBi
- Polarization H&V for the frequency of 5100 - 5950 MHz
- 4 x Connector SMA
- Big, ergonomic and voluminous **WiBOX Extra Large SLIM** enclosure for radio equipment installation
- Outdoor Waterproof Enclosure **WiBOX Extra Large SLIM**
- Designed and resistant for any weather conditions
- RJ45 Waterproof System
- 36 Warranty Months

Systems

- LTE band - 7, 30, 38, 40, 41, 46, 47, 53, 69, 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

Compatible with

- Aruba Networks - AP-92
- Cisco - Aironet 1532e
- Huawei - AP 6510DN-AGN, AP 6610DN-AGN