



## 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	<ul style="list-style-type: none"> <li>2.3 - 2.65 GHz</li> <li>5.1 - 5.95 GHz</li> </ul>
Gain	<ul style="list-style-type: none"> <li>12 dBi</li> <li>14 dBi</li> </ul>
VSWR	<ul style="list-style-type: none"> <li>&lt;2.00</li> <li>&lt;2.00</li> </ul>
Beamwidth	<ul style="list-style-type: none"> <li>90°/30°</li> <li>90°/16°</li> </ul>
Polarization	<ul style="list-style-type: none"> <li>H&amp;V</li> <li>H&amp;V</li> </ul>
Cross-Polar Isolation	
Front-to-Back	<ul style="list-style-type: none"> <li>&gt; 20 dB</li> <li>&gt; 20 dB</li> </ul>
Separation between Connectors	<ul style="list-style-type: none"> <li>&gt; 20 dB</li> <li>&gt; 20 dB</li> </ul>
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