



## DUAL BAND BASE SECTOR ANTENNA

# WiBOX SA MDB245-30-14HV

ROHS



### Electrical specification

Frequency	<ul style="list-style-type: none"> <li>2.4 - 2.5 GHz</li> <li>5.1 - 5.85 GHz</li> </ul>
Gain	<ul style="list-style-type: none"> <li>14 dBi</li> <li>14 dBi</li> </ul>
VSWR	<ul style="list-style-type: none"> <li>&lt;0.00, max &lt; 2.00</li> <li>&lt;0.00, max &lt; 2.00</li> </ul>
Beamwidth	<ul style="list-style-type: none"> <li>35°/35° +/- 5°</li> <li>35°/35° +/- 5°</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; 25 dB</li> <li>&gt; 25 dB</li> </ul>
Separation between Connectors	<ul style="list-style-type: none"> <li>&gt; 25 dB</li> <li>&gt; 30 dB</li> </ul>
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	1.6 kg
Connector	RJ45 & 4xSMA
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 4x 14 dBi
- › Polarization H&V for the frequency of 2400 - 2500 MHz
- › Gain for the frequency of 5100 - 5850 MHz 4x 14 dBi
- › Polarization H&V for the frequency of 5100 - 5850 MHz
- › 4 x Connector SMA
- › 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 lightning - DC Ground
- › 36 Warranty Months

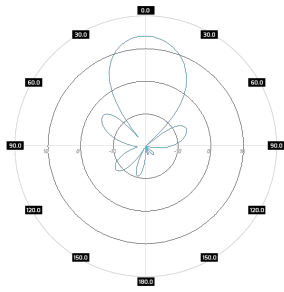
### Systems

- › 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

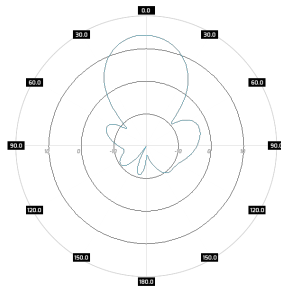
### Applications

- › System Integration

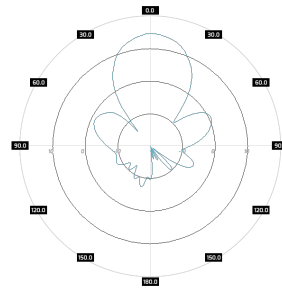
### Plots



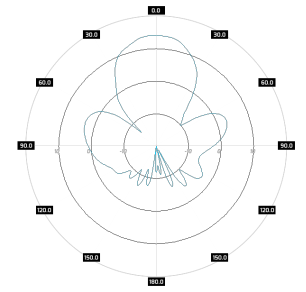
port H, 2.4GHz, azimuth



port V, 2.4GHz, azimuth



port H, 5.5GHz, azimuth



port V, 5.5GHz, azimuth