



## DUAL BAND BASE SECTOR ANTENNA

# WiBOX SA M4DBC255-90-14X

ROHS



### Electrical specification

Frequency	<ul style="list-style-type: none"> <li>2.4 - 2.5 GHz</li> <li>5.1 - 5.9 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;1.80</li> <li>&lt;1.80</li> </ul>
Beamwidth	<ul style="list-style-type: none"> <li>16°/90°</li> <li>16°/90°</li> </ul>
Polarization	<ul style="list-style-type: none"> <li>X</li> <li>X</li> </ul>
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	<ul style="list-style-type: none"> <li>27.2 x 27.6 x 6.2 cm</li> <li>10.71 x 10.87 x 2.44 inch</li> </ul>
Weight	2.7 kg
Connector	2xN Female
Material	ABS
Waterproof level	IP67
Operating temperature	<ul style="list-style-type: none"> <li>from -40 +70°C to °C</li> <li>from -40°F to 32°F</li> </ul>
Wind resistance	120km/h

### Mounting Kit

Dimensions	<ul style="list-style-type: none"> <li>9.9 x 10.5 x 14.8 cm</li> <li>3.9 x 4.13 x 5.83 inch</li> </ul>
Regulation Range	+/- 30°
Weight	0.87 kg
Mast Dimensions Range	25 - 65mm
Material	Polyamide with fiberglass + galvanized steel U-Bolts

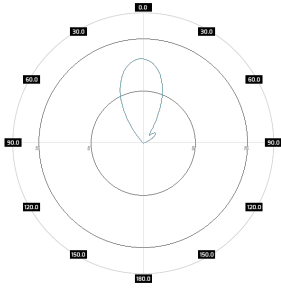
### Features

- › Gain for the frequency of 2400 - 2500 MHz 2x 12 dBi
- › Polarization X for the frequency of 2400 - 2500 MHz
- › Gain for the frequency of 5100 - 5900 MHz 2x 14 dBi
- › Polarization X for the frequency of 5100 - 5900 MHz
- › 2 x Connector N Female
- › Big, ergonomic and voluminous **WiBOX Medium Slim 2xN enclosure for radio equipment installation**
- › Outdoor Waterproof Enclosure **WiBOX Medium Slim 2xN**
- › Designed and resistant for any weather conditions
- › Grounding system protecting against lightning - DC Ground
- › 36 Warranty Months

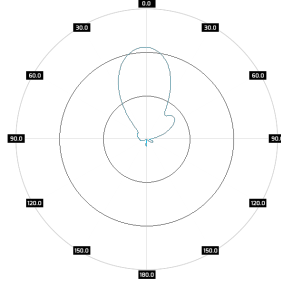
### Systems

- › LTE band - 40, 41, 46, 47, 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

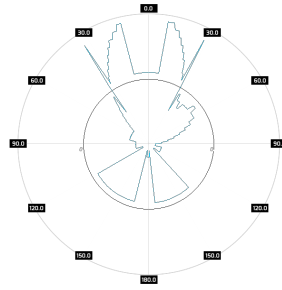
### Plots



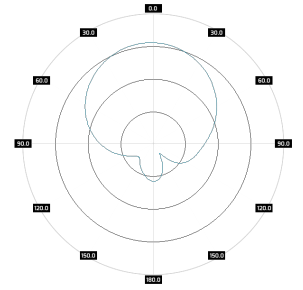
Port 2, azimuth  
2.4GHz



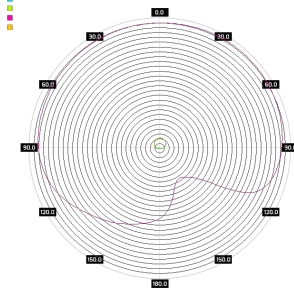
slx



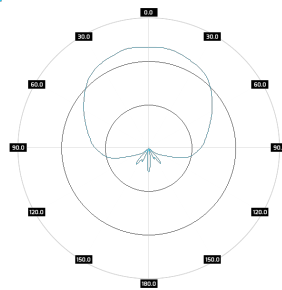
Port 1, azimuth  
2.4GHz



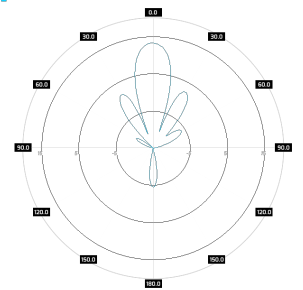
Port 1, elevation  
2.4GHz



Port 2, elevation  
2.4GHz



Port 1, azimuth  
5.5GHz



Port 2, elevation  
5.5GHz