



DUAL BAND BASE SECTOR ANTENNA

WiBOX SA MDB245-30-14HV

ROHS



Electrical specification

Frequency	<ul style="list-style-type: none"> 2.4 - 2.5 GHz 5.1 - 5.85 GHz
Gain	<ul style="list-style-type: none"> 14 dBi 14 dBi
VSWR	<ul style="list-style-type: none"> <1.30, max < 2.00 <1.30, max < 2.00
Beamwidth	<ul style="list-style-type: none"> 35°/35° +/- 5° 35°/35° +/- 5°
Polarization	<ul style="list-style-type: none"> H&V H&V
Cross-Polar Isolation	
Front-to-Back	<ul style="list-style-type: none"> > 25 dB > 25 dB
Separation between Connectors	<ul style="list-style-type: none"> > 25 dB > 30 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	1.6 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
Most Dimensions Range	25 - 65mm
Material	Polyamide with fiberglass + galvanized steel U-Bolts

Plots

Features

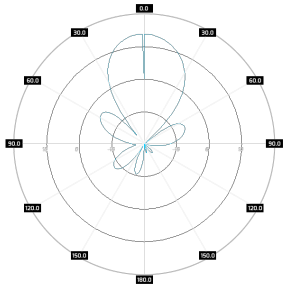
- > Gain for the frequency of 2400 - 2500 MHz 4x 14 dBi
- > Polarization H&V for the frequency of 2400 - 2500 MHz
- > Gain for the frequency of 5100 - 5850 MHz 4x 14 dBi
- > Polarization H&V for the frequency of 5100 - 5850 MHz
- > 4 x Connector SMA
- > Big, ergonomic and voluminous **WiBOX Medium** 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

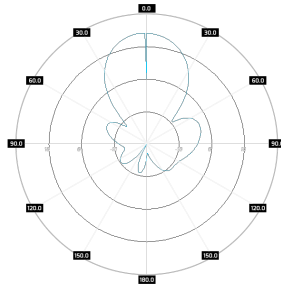
- > LTE band - 40, 41, 46, 53, 252, 255
- > WLAN - 2.4 GHz, 5 GHz
- > WiMAX - 2.3 GHz, 2.5 GHz, 5 GHz
- > RFID - 2400 - 2483 MHz, 5725 - 5875 MHz
- > Bluetooth - 2400-2483 MHz
- > ISM - 2400-2483 MHz, 5725-5875 MHz

Applications

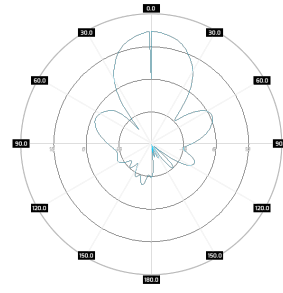
- > System Integration



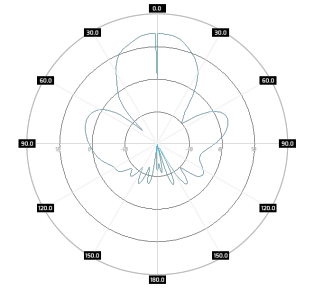
port H, 2.4GHz, azimuth



port V, 2.4GHz, azimuth



port H, 5.5GHz, azimuth



port V, 5.5GHz, azimuth