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HIGH-DENSITY DUAL BAND BASE SECTOR ANTENNA

WiBOX SA M4DBC245-120-8V Nf

Wireless Instrumnets four element MIMO 4x4 2.4/5 GHz dual-band antenna for Wi-Fi is rugged and high-performance panel for outdoor and indoor applications. WiBOX SA M4DBC245-120-8V Nf is 4-Element Patch Antenna predicted mainly for high-density installations where high gain and wide beamwidth is required. The system offers relatively high gain with wide horizontal beam and low F/B ratio, which makes it unique solution on the market. The antenna is designed to work with 2.4-GHz/5-GHz Access Points (like Cisco, Aruba, Huawei and others), offers IP67 and No. 4 N Female cables. WiMount mounting system which comes with the antenna enables wall or mast mounting.

ROHS
DC GROUND
IP67
UV RESISTANT
ABS

Electrical specification

Frequency	2.4 - 2.5 GHz 4.6 - 6.4 GHz
Gain	8 dBi 8 dBi
VSWR	<1.60, max < 1.80 <1.60, max < 1.80
Beamwidth	120°/60° 120°/90°
Polarization	V V
Cross-Polar Isolation	>25 dB
Front-to-Back	> 20 dB > 20 dB
Separation between Connectors	
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	2 kg
Connector	RJ45 & 4xNf
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 8 dBi
- Polarization V for the frequency of 2400 - 2500 MHz
- Gain for the frequency of 4600 - 6400 MHz 4x 8 dBi
- Polarization V for the frequency of 4600 - 6400 MHz
- 4 x Connector Nf
- 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 lighting - 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

Applications

- Stadiums, Public Places
- Hotspot
- PtM Connections
- System Integration

Plots

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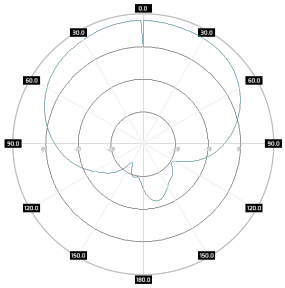
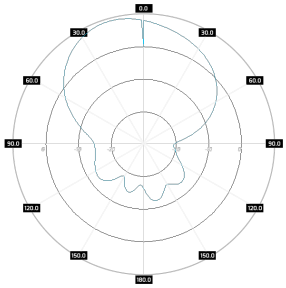
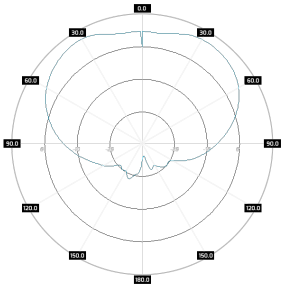


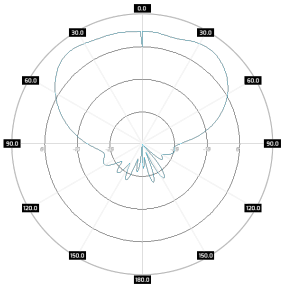
SA MDBC245-120-8V
2.45GHz, azimuth



SA MDBC245-120-8V
2.45GHz, elev.



SA MDBC245-120-8V
5.5GHz, azimuth



SA MDBC245-120-8V
5.5GHz, elev.

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