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BASE SECTOR ANTENNA

WiBOX SA M5-90-14X

ROHS

DC GROUND

IP67

UV RESISTANT

ABS

WiBOX SA M5-90-14X is an X polarity MIMO 2x2 sector antenna operating at a frequency range of: 5.1 - 5.85 GHz with 14 dBi gain. The antenna is predicted for point-to-multipoint (PMP) connections, can be used for covering small and medium areas as a base station for client stations or as the hotspot in schools, halls, stadiums or another public places. It can work indoor and outdoor (IP 67). It works with the WLAN 802.11n/ac systems. The antenna is integrated with the top quality WiBOX Medium box system.

Electrical specification

Frequency	5.1 - 5.85 GHz
Gain	14 dBi
VSWR	<2.00
Beamwidth	16°/90°
Polarization	X
Cross-Polar Isolation	20 dB
Front-to-Back	> 20 dB
Separation between Connectors	> 20 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 & 2xSMA
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 5100 - 5850 MHz 2x 14 dBi
- Polarization X for the frequency of 5100 - 5850 MHz
- 2 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 lighting - DC Ground
- 36 Warranty Months

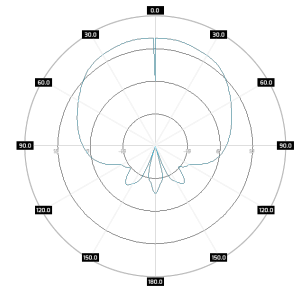
Systems

- LTE band - 46, 252, 255
- WLAN - 5 GHz
- WiMAX - 5 GHz
- RFID - 5725 - 5875 MHz
- ISM - 5725-5875 MHz

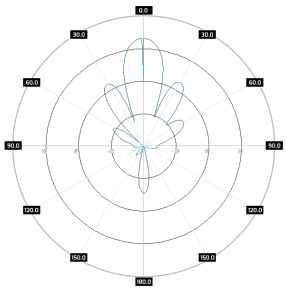
Applications

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

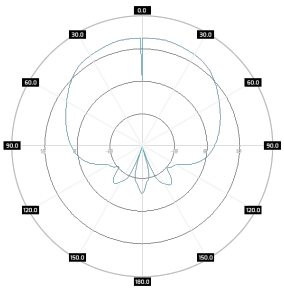
Plots



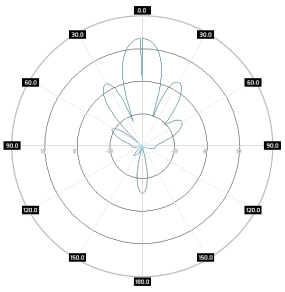
SA M5-90-14X
port 1, azimuth



SA M5-90-14X
port 1, elev.



SA M5-90-14X
port 2, azimuth



SA M5-90-14X
port 2, elev.