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BASE SECTOR ANTENNA

WiBOX SA 5-90-17H

WiBOX SA 5-90-17H *is a* ***sector antenna (SISO)*** *operating at the frequency band of:* ***5.1 – 5.85 GHz*** *with* ***17 dBi*** *gain, in* ***horizontal*** *polarization. The antenna can be used in* ***point-to-multipoint (PMP)*** *topology for covering medium and big size areas or as the* ***hotspot in schools, halls, stadiums or another public places****. It can work* ***indoor and outdoor (IP 67)****. It works with the systems of:* ***WLAN (802.11a), Bluetooth, ISM, RFiD****. The antenna is integrated with the top quality* ***WiBOX Extra Large*** *box system.*

ROHS

DC GROUND

IP67

UV RESISTANT

ABS

Electrical specification

Frequency	5.1 - 5.85 GHz
Gain	17 dBi
VSWR	<2.00
Beamwidth	9°/90°
Polarization	H
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	29.2 x 48.6 x 10.6 cm 11.5 x 19.13 x 4.17 inch
Weight	2.5 kg
Connector	RJ45
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 0x 17 dBi
- Polarization H for the frequency of 5100 - 5850 MHz
- 0 x Connector SMA
- Big, ergonomic and voluminous ***WiBOX Extra Large*** enclosure for radio equipment installation
- Outdoor Waterproof Enclosure ***WiBOX Extra Large***
- Designed and resistant for any weather conditions
- RJ45 Waterproof System
- Grounding system protecting against lighting - DC Ground
- 36 Warranty Months

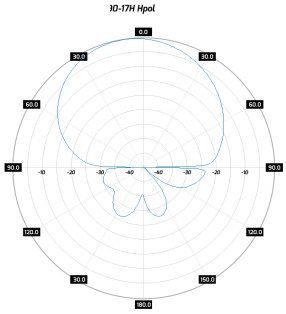
Systems

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

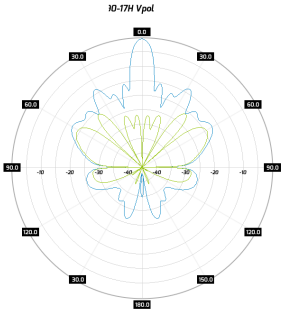
Applications

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

Plots



Radiation pattern WiBOX SA 5-90-17H Pol H



Radiation pattern WiBOX SA 5-90-17H Pol V

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