



## DUAL BAND ANTENNA

# WiBOX SA DB245-90-17HV

**WiBOX SA DB245-90-17HV** is a dual band sector antenna (SISO) (2.4GHz - H; 5 GHz - V) operating at two frequency bands: 2.4 - 2.5 GHz with 15 dBi gain and 5.1 - 5.85 GHz with 17 dBi gain. The antenna can be used in point-to-multipoint (PMP) topology for covering medium 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/b/g), Bluetooth, ISM, RFID. The antenna is integrated with the top quality **WiBOX Extra Large** box system.

ROHS



### Electrical specification

Frequency	2.4 - 2.5 GHz 5.1 - 5.85 GHz
Gain	15 dBi 17 dBi
VSWR	<2.00 <2.00
Beamwidth	9°/90° 9°/90°
Polarization	H V
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 2400 - 2500 MHz 0x 15 dBi
- Polarization H for the frequency of 2400 - 2500 MHz
- Gain for the frequency of 5100 - 5850 MHz 0x 17 dBi
- Polarization V 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 lightning - DC Ground
- 36 Warranty Months

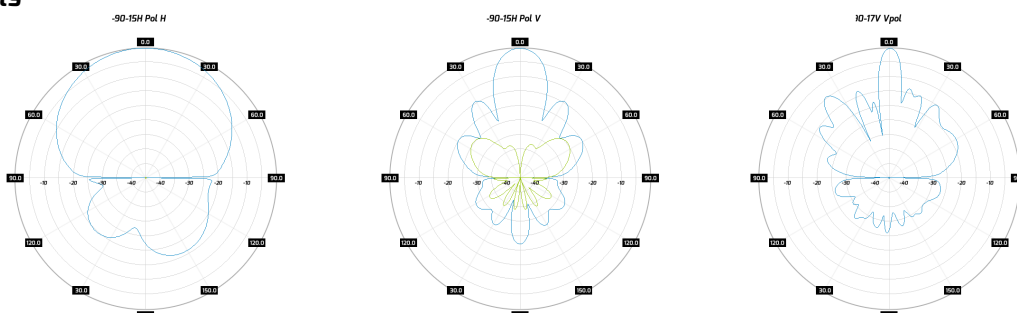
### Systems

- LTE band - 40, 41
- 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



Radiation pattern WiBOX SA 24-90-15H Pol HRadiation pattern WiBOX SA 24-90-12H Pol VRadiation pattern WiBOX SA 5-90-17V Pol V