



## BASE SECTOR ANTENNA

# WiBOX SA M3-90-16HV

**WiBOX SA M3-90-16HV is an H&V-polarity MIMO 2x2 sector antenna operating at a frequency range of: 3.35 - 3.8 GHz with 16 dBi gain. The antenna is predicted for point-to-multipoint (PMP) connections, can be used for covering medium and big 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 WiMAX and LTE (bands 22, 42, 43) systems. The antenna is integrated with the top quality WiBOX Extra Large box system.**

ROHS



### Electrical specification

Frequency	3.35 - 3.8 GHz
Gain	16 dBi
VSWR	<1.00, max < 1.00
Beamwidth	8°/90°
Polarization	H&V
Cross-Polar Isolation	
Front-to-Back	> 20 dB
Separation between Connectors	> 32 dB
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	2.9 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 3350 - 3800 MHz 2x 16 dBi
- › Polarization H&V for the frequency of 3350 - 3800 MHz
- › 2 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

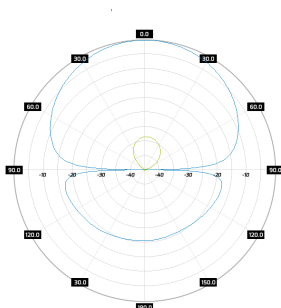
### Systems

- › LTE band - 22, 42, 43
- › WLAN - 3.6 GHz
- › WiMAX - 3.5 GHz

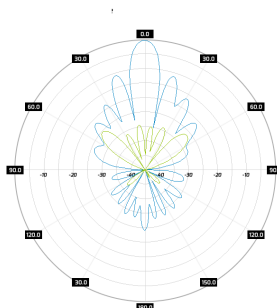
### Applications

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

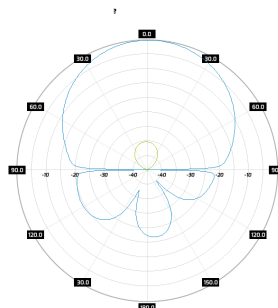
### Plots



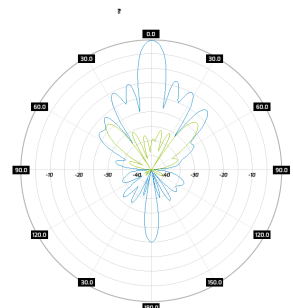
Radiation pattern Port 1 H Plane



Radiation pattern Port 1 V Plane



Radiation pattern Port 2 H Plane



Radiation pattern Port 2 V Plane