Wireless Instruments
breaking the limits

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BASE SECTOR ANTENNA
WIBOX SA M6-90-17HV

*WiBOX SA M6-90-17HV is an **H&V polarity MIMO 2x2 sector antenna** operating at a frequency range of: **5.6 - 6.5 GHz** with **17 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 the **WLAN 802.11n/ac** systems. The antenna is integrated with the top quality **WiBOX Extra Large** box system.*

ROHS

DC GROUND

IP67

UV RESISTANT

ABS

Electrical specification

Frequency	5.6 - 6.5 GHz
Gain	17 dBi ±1
VSWR	<1.50, max < 1.80
Beamwidth	8°/90°
Polarization	H&V
Cross-Polar Isolation	
Front-to-Back	> 30 dB
Separation between Connectors	> 50 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	2.7 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 5600 - 6500 MHz 2x 17 dBi ±1
› Polarization H&V for the frequency of 5600 - 6500 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
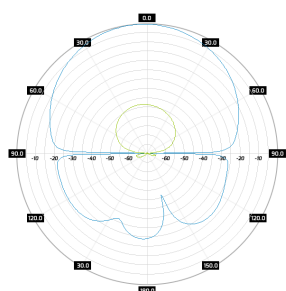› Grounding system protecting against lighting - DC Ground
› 36 Warranty Months

Systems

› LTE band - 46, 47, 255
› WLAN - 5 GHz
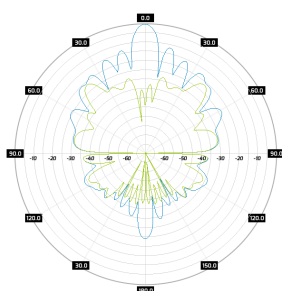› WiMAX - 5 GHz
› RFiD - 5725 - 5875 MHz
› ISM - 5725-5875 MHz

Applications

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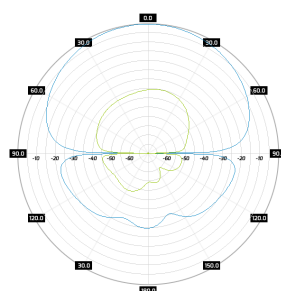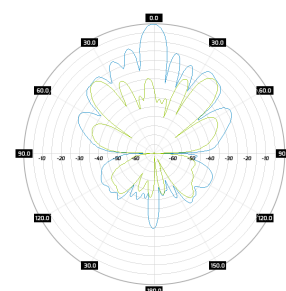› System Integration

Plots

Radiation pattern Port 1 Pol H

Radiation pattern Port 1 Pol V

Radiation pattern Port 2 Pol H

Radiation pattern Port 2 Pol V