



PTP/CLIENT ANTENNA

WiBOX SA M3-90-16X

WiBOX SA M3-90-16X is an **X-polarity (slant +/-45) MIMO 2x2** sector antenna operating at a frequency range of: 3.4 - 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.



Electrical specification

Frequency	3.4 - 3.8 GHz
Gain	16 dBi ±1
VSWR	<1.60, max < 2.00
Beamwidth	8°/90°
Polarization	X
Cross-Polar Isolation	
Front-to-Back	> 30 dB
Separation between Connectors	> 25 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
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	250 - 650mm
Material	Polyamide with fiberglass + galvanized steel U-Bolts

Features

- Gain for the frequency of 3400 - 3800 MHz 0x 16 dBi ±1
- Polarization X for the frequency of 3400 - 3800 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 - 22, 42, 43
- WLAN - 3.6 GHz
- WiMAX - 3.5 GHz

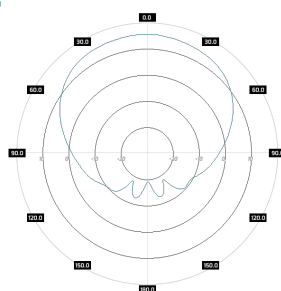
Applications

- System Integration

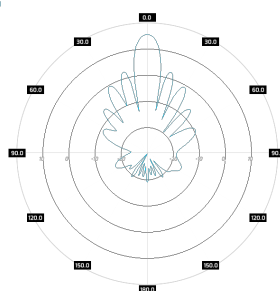
Compatible with

- Cambium Networks** - PMP 450

Plots



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