



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.

ROHS



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 | 25 - 65mm |
| 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, 48, 49, 52
- WLAN - 3.6 GHz
- WiMAX - 3.5 GHz

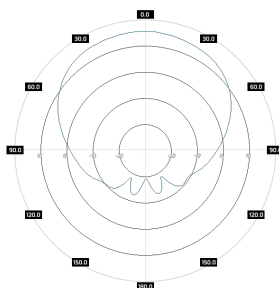
Applications

- System Integration

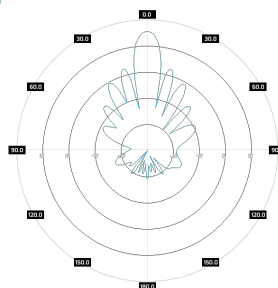
Compatible with

- Cambium Networks - PMP 450

Plots



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