**PTP/CLIENT ANTENNA**

**WiBOX PA M3-20X**

WiBOX PA M3-20X is dual polarity X (slant +/-45 deg) panel antenna with 20 dBi gain, designed to operate at MIMO 2x2 system. The antenna is predicted for point-to-point (PTP) or point-to-multipoint (PMP) as the client antenna, in interfered environments. WiBOX PA M3-20X can work indoor and outdoor (IP67). The X-polarity helps for establishing links in interfered environments. Due to operating frequency range this antenna can operate in the systems of WiMAX and LTE (bands 22, 42, 43). The antenna is integrated with the top quality WiBOX Large box system. It comes with 2 x SMA connectors.

### Electrical specification

- **Frequency**: 3.4 - 3.8 GHz
- **Gain**: 20 dBi
- **VSWR**: <1.50, max < 2.00
- **Beamwidth**: 15°/15°
- **Polarization**: X
- **Cross-Polar Isolation**: > 25 dB
- **Front-to-Back**: > 25 dB
- **Impedance**: 50 Ω
- **Max Input Power**: 50 W
- **Lighting Protection**: No
- **DC Ground**: Yes

### Mechanic specification

- **Dimensions**: 39.2 x 39.6 x 9.6 cm (15.43 x 15.59 x 3.78 inch)
- **Weight**: 2.4 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 3400 - 3800 MHz 2x 20 dBi
- Polarization X for the frequency of 3400 - 3800 MHz
- 2 x Connector SMA
- Big, ergonomic and voluminous WiBOX Large enclosure for radio equipment installation
- Outdoor Waterproof Enclosure WiBOX Large
- Designed and resistant for any weather conditions
- RJ45 Waterproof System
- Grounding system protecting against lighting - DC Ground
- 36 Warranty Months

### Systems

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

### Applications

- PTP connections
- PMP Connections
- System Integration

### Plots

- PA M3-20X port 1, azimuth
- PA M3-20X Port 1, elev
- PA M3-20X Port 2, azimuth
- PA M3-20X Port 2, elev