



## 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-polarization 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.

ROHS



### 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	20 dB
Front-to-Back	> 25 dB
Separation between Connectors	> 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 9.9 cm 15.43 x 15.59 x 3.9 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
Most 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 lightning - DC Ground
- > 36 Warranty Months

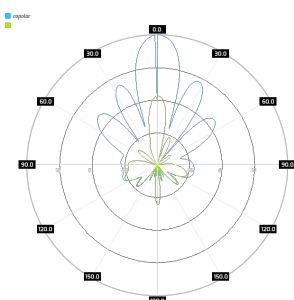
### Systems

- > LTE band - 22, 42, 43, 48, 49, 52
- > WLAN - 3.6 GHz
- > WiMAX - 3.5 GHz

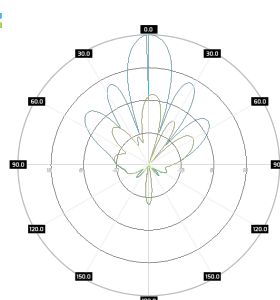
### Applications

- > PtP connections
- > PtM Connections
- > System Integration

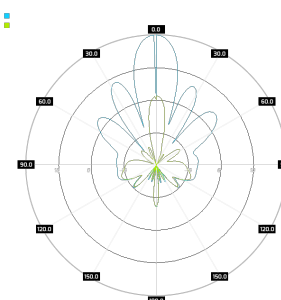
### Plots



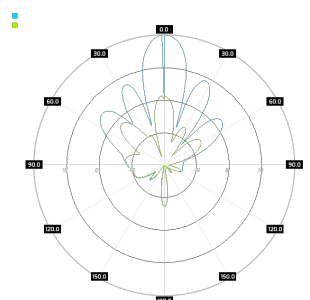
PA M3-20X  
port 1, azimuth



PA M3-20X  
Port 1, elev



PA M3-20X  
Port 2, azimuth



PA M3-20X  
Port 2, elev