**PTP/CLIENT ANTENNA**

**WiBOX PA M3-18HV**

**WiBOX PA M3-18HV** is an **H&V-polarity MIMO 2x2 panel antenna** operating at a frequency range of: 3.3 - 3.8 GHz with 18 dBi gain. The antenna is predicted for **point-to-point (PTP)** and **point-to-multipoint (PMP)** connections as the client antenna. 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 Medium** box system.

### Electrical specification

- **Frequency**: 3.3 - 3.8 GHz
- **Gain**: 18 dBi
- **VSWR**: <2.00
- **Beamwidth**: 20°/20°
- **Polarization**: H&V
- **Cross-Polar Isolation**: > -20 dB
- **Front-to-Back**: > 20 dB
- **Separation between Connectors**: > 32 dB
- **Impedance**: 50 Ω
- **Max Input Power**: 50 W
- **Lighting Protection**: No
- **DC Ground**: Yes

### Mechanic specification

- **Dimensions**: 27.2 x 27.6 x 9.6 cm (10.71 x 10.87 x 3.78 inch)
- **Weight**: 2 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 3300 - 3800 MHz 2x 18 dBi
- Polarization H&V for the frequency of 3300 - 3800 MHz
- 2 x Connector SMA
- Big, ergonomic and voluminous **WiBOX Medium** enclosure for radio equipment installation
- Outdoor Waterproof Enclosure **WiBOX Medium**
- 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

- Radiation pattern Port 1 Pol 1
- Radiation pattern Port 1 Pol 2
- Radiation pattern Port 2 Pol 1
- Radiation pattern Port 2 Pol 2