**PTP/CLIENT ANTENNA**

**WiBOX PA M19-8HV**

WiBOX PA M19-8HV is designed mainly for mobile cellular systems 3G, 3.5G, 3.75G and especially 4G - LTE as an 8 dBi dual polarization client antenna (CPE) in H&V polarization. Its wide range of work permits to operate in the systems such as GSM, UMTS and LTE. It can be used as client antenna for point-to-point (PTP) or point-to-multipoint (PMP) or for hotspots in offices, halls and public areas. Due to an innovative antenna design with great parameters it enables to work in a wide range of frequencies for LTE systems: band 1, 2, 3, 4, 9, 10, 25, 29, 33, 34, 35, 36, 37, 39. The system can operate indoor and outdoor (IP67). The antenna is integrated with the top quality **WiBOX Medium**. It comes with 2 x SMA connector.

### Electrical specification

- **Frequency**: 1.71 - 2.17 GHz
- **Gain**: 8 dBi
- **VSWR**: <1.50, max < 2.00
- **Beamwidth**: 60°/60°
- **Polarization**: H&V
- **Cross-Polar Isolation**: >17 dB
- **Front-to-Back**: >18 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
- **Weight**: 1.5 kg
- **Connector**: RJ45 & 2xSMA
- **Material**: ABS
- **Waterproof level**: IP67
- **Operating temperature**: -40°C to 80°C
- **Wind resistance**: 70km/h
- **Mounting Kit Dimensions**: 9.9 x 10.5 x 14.8 cm
- **Weight**: 0.87 kg
- **Mast Dimensions Range**: 25 - 65mm
- **Material**: Polyamide with fiberglass + galvanized steel U-Bolts

### Features

- Gain for the frequency of 1710 - 2170 MHz
- 2x 8 dBi
- Polarization H&V for the frequency of 1710 - 2170 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 - 1, 2, 3, 4, 9, 10, 25, 33, 34, 35, 36, 37, 39
- 3G - 2100 MHz
- GSM - 1800 MHz, 1900 MHz

### Applications

- Stadiums, Public Places
- Hotspot
- PTP connections
- PIM 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