TRIPLE BAND PTP/CLIENT ANTENNA
WiBOX PA MMB0727-5V

WiBOX PA MMB0727-5V is a directional antenna designed for LTE connections, works as MIMO2x2 VV-polarity system. The antenna can be used for the most popular available LTE bands (3, 7, 20). WiBOX PA MMB0727-5V can be used to build client side station operating in all available operator’s bands (the range 694-2700 MHz). The system has the installation compartment, where You can install an electronic PCB with an LTE modem to get the ready-to-use IP67 device powered by PoE (802.3af) - RJ45 waterproof high-quality connector.

That antenna is predicted to be installed outdoor to get LTE signal, its aesthetic shape makes it adaptative for most of buildings. WiBOX PA MMB0727-5V comes with pigtails inbuilt inside the antenna, it can be attached to the mast or the wall by WiMount mounting system.

NOTE: The installation compartment is: 12.5 x 23 [cm] / 4.9” x 9.06” [inch].

### Electrical specification

- **Frequency**
  - 0.694 - 0.96 GHz
  - 1.7 - 2.2 GHz
  - 2.2 - 2.7 GHz
- **Gain**
  - 4 dBi
  - 5 dBi
  - 6 dBi
- **VSWR**
  - <1.50, max < 2.00
  - <1.30, max < 1.60
  - <1.30, max < 1.60
- **Beamwidth**
  - 90/90° +/- 30°
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- **Polarization**
  - V
  - V
  - V
- **Cross-Polar Isolation**
  - 2 x Connector U.FL
- **Impedance**
  - 50 Ω
- **Max Input Power**
  - No
- **Lighting Protection**
  - DC Ground

### 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 & 2xU.FL
- **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
- **Material**
  - Polyamide with fiberglass + galvanized steel U-Bolts

### Features

- Gain for the frequency of 694 - 960 MHz
  - 2x 4 dBi
- Polarization V for the frequency of 694 - 960 MHz
- Gain for the frequency of 1700 - 2200 MHz
  - 2x 5 dBi
- Polarization V for the frequency of 1700 - 2200 MHz
- Gain for the frequency of 2200 - 2700 MHz
  - 2x 6 dBi
- Polarization V for the frequency of 2200 - 2700 MHz
- 2 x Connector U.FL
- 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, 5, 6, 7, 8, 9, 10, 12, 13, 14, 17, 18, 19, 20, 23, 25, 26, 27, 28, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 2305-2360
- WiMAX - 2.3 GHz, 2.5 GHz, 700 MHz
- 3G - 2100 MHz, 850 MHz, 900 MHz
- GSM - 1800 MHz, 1900 MHz, 850 MHz
- RFID - 2400 - 2483 MHz, 865 - 868 MHz, 902 - 928 MHz
- ISM - 2400-2483 MHz, 868-870 MHz
- WLAN - 2.4 GHz
- Bluetooth - 2.400-2.483 MHz

### Applications

- PtP connections
- System Integration