



## TRIPLE BAND PTP/CLIENT ANTENNA

# WiBOX PA MMB0727-5V

**WiBOX PA MMB0727-5V** is a directional antenna desired 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 pigtailed 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].**

ROHS



### Electrical specification

Frequency	<ul style="list-style-type: none"> <li>☒ 0.694 - 0.96 GHz</li> <li>☒ 1.7 - 2.2 GHz</li> <li>☒ 2.2 - 2.7 GHz</li> </ul>
Gain	<ul style="list-style-type: none"> <li>☒ 4 dBi</li> <li>☒ 5 dBi</li> <li>☒ 6 dBi</li> </ul>
VSWR	<ul style="list-style-type: none"> <li>☒ &lt;1.50, max &lt; 2.00</li> <li>☒ &lt;1.30, max &lt; 1.60</li> <li>☒ &lt;1.30, max &lt; 1.60</li> </ul>
Beamwidth	<ul style="list-style-type: none"> <li>☒ 90°/90° +/- 30°</li> <li>☒ 90°/90° +/- 30°</li> <li>☒ 90°/90° +/- 30°</li> </ul>
Polarization	<ul style="list-style-type: none"> <li>☒ V</li> <li>☒ V</li> <li>☒ V</li> </ul>
Cross-Polar Isolation	
Front-to-Back	
Separation between Connectors	
Impedance	50 Ω
Max Input Power	
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 & 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
Mast Dimensions Range	25 - 65mm
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 lightning - 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, 29, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 53, 65, 66, 67, 68, 69, 70, 85
- › 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 - 2400-2483 MHz

### Applications

- › PtP connections
- › System Integration