TRIPLE BAND PTP/CLIENT ANTENNA

**WiBOX PA MMB0727-8X Low PIM, 2x 4.3/10 male**

**WiBOX PA MMB0727-8X Low PIM, 2x 4.3/10 male** is MIMO 2x2 antenna, working in X-Pol polarization predicted for 4G LTE mainly, but is compatible with 3G and 2G as well. The antenna improves the signal in rural/suburban and locations where the mobile signal is weak. Due to very wide working frequency range, the antenna is universal client side station for LTE bands like LTE700/800/1800/1900/2100/2300/2600 (including new 800MHz frequency using for LTE). Due to small dimensions, aesthetic look and highest quality, the system can be installed in any location, even for the most demanding customers. **WiBOX PA MMB0727-8X Low PIM** can operate indoor and outdoor (IP67). The antenna is integrated with the top quality **WiBOX Medium**. It comes with **2x cable with 4.3/10 male** connector.

### Electrical specification

<table>
<thead>
<tr>
<th>Frequency</th>
<th>0.694 - 0.96 GHz</th>
<th>1.7 - 2.2 GHz</th>
<th>2.2 - 2.7 GHz</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gain</td>
<td>7 dB ±1</td>
<td>7 dB ±1</td>
<td>7 dB ±1</td>
</tr>
<tr>
<td>VSWR</td>
<td>&lt;1.60, max &lt; 2.00</td>
<td>&lt;1.70, max &lt; 2.00</td>
<td>&lt;1.70, max &lt; 2.00</td>
</tr>
<tr>
<td>Beamwidth</td>
<td>70°/70° +/- 15°</td>
<td>70°/70° +/- 15°</td>
<td>70°/70° +/- 15°</td>
</tr>
<tr>
<td>Polarization</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
<tr>
<td>Cross-Polar Isolation</td>
<td>&gt; 10 dB</td>
<td>&gt; 10 dB</td>
<td>&gt; 10 dB</td>
</tr>
<tr>
<td>Separation between Connectors</td>
<td>&gt; 20 dB</td>
<td>&gt; 20 dB</td>
<td>&gt; 20 dB</td>
</tr>
<tr>
<td>Impedance</td>
<td>50 Ω</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Max Input Power</td>
<td>50 W</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lighting Protection</td>
<td>No</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>DC Ground</td>
<td>Yes</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

### Features

- Gain for the frequency of 694 - 960 MHz 2x 7 dB ±1
- Polarization X for the frequency of 694 - 960 MHz
- Gain for the frequency of 1700 - 2200 MHz 2x 7 dB ±1
- Polarization X for the frequency of 1700 - 2200 MHz
- Gain for the frequency of 2200 - 2700 MHz 2x 7 dB ±1
- Polarization X for the frequency of 2200 - 2700 MHz
- 2 x Connector 4.3/10 male
- Big, ergonomic and voluminous **WiBOX Medium** + 2 cables enclosure for radio equipment installation
- Outdoor Waterproof Enclosure **WiBOX Medium** + 2 cables
- Designed and resistant for any weather conditions
- 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, 900 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

### Mechanic specification

| Dimensions | 27.2 x 9.6 x 27.6 cm | 10.71 x 3.78 x 10.87 inch |
| Weight     | 2.5 kg              | -                     |
| Connector  | 2x4.3/10 male       | -                     |
| Material   | ABS                | -                     |
| Waterproof level | IP67 | -                     |
| Operating temperature | from -40°C to 80°C | from 32°F to 32°F |
| Wind resistance | km/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 | -                     |

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**Plots**
PA MMB0727-BX
800MHz, port 1, azimuth

PA MMB0727-BX
800MHz, port 1, elev.

PA MMB0727-BX
800MHz, port 2, azimuth

PA MMB0727-BX
800MHz, port 2, elev.

PA MMB0727-BX
1800MHz, port 1, azimuth

PA MMB0727-BX
1800MHz, port 1, elev.

PA MMB0727-BX
1800MHz, port 2, azimuth

PA MMB0727-BX
1800MHz, port 2, elev.

PA MMB0727-BX
2100MHz, port 1, azimuth

PA MMB0727-BX
2100MHz, port 1, elev.

PA MMB0727-BX
2100MHz, port 2, azimuth

PA MMB0727-BX
2100MHz, port 2, elev.

PA MMB0727-BX
2600MHz, port 1, azimuth

PA MMB0727-BX
2600MHz, port 1, elev.

PA MMB0727-BX
2600MHz, port 2, azimuth

PA MMB0727-BX
2600MHz, port 2, elev.