



## TRIPLE BAND OMNI ANTENNA

# WiSpot BOX OA

## MMB0727-4V\_LoRa

**WiSpot BOX OA MMB0727-4V\_LoRa** is an omnidirectional **MIMO 2x2** LTE antenna + one additional antenna for LoRa, working in VVV-polarization. The antenna can be used for the most popular **LTE bands (3, 7, 20), frequencies 694-2700 MHz and also on 868MHz low-power wide-area network technology (LoRa)**. On the bottom side the **WiSpot** has the **full IP67 installation compartment**, where You can easily install an electronic board with LTE modem with LoRa module (i.e. Mikrotik's \_\_\_\_\_) 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 on the buildings as the **client antenna**, as the **hotspot** or on the moving points like **trains, buses, lorries, yachts, boats, company or standard cars** to receive Internet by **LTE**. If You are looking for the solution which will give You the Internet access everywhere, that's the antenna for You. **WiSpot BOX OA MMB0727-4V\_LoRa** can be installed on the mast, a wall or the flat surface like car roofs.

**NOTE:** The installation compartment is: 11,3 x 14,5 x 5 [cm] / 4,45" x 5,71" x 1,97" [inch].

ROHS


 IP67


 UV  
RESISTANT


 ABS

### Electrical specification

Frequency	<ul style="list-style-type: none"> <li>☒ 0.863 - 0.87 GHz</li> <li>☒ 0.694 - 0.96 GHz</li> <li>☒ 1.7 - 2.7 GHz</li> </ul>
Gain	<ul style="list-style-type: none"> <li>☒ 2 dBi</li> <li>☒ 2 dBi</li> <li>☒ 3 dBi</li> </ul>
VSWR	<ul style="list-style-type: none"> <li>☒ &lt;1.70, max &lt; 2.00</li> <li>☒ &lt;1.70, max &lt; 2.00</li> <li>☒ &lt;1.60, max &lt; 2.00</li> </ul>
Beamwidth	<ul style="list-style-type: none"> <li>☒ 360°/8°</li> <li>☒ 360°/8°</li> <li>☒ 360°/8°</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	50 W
Lighting Protection	No
DC Ground	No

### Mechanic specification

Dimensions	16 x 24 x 16 cm 6.3 x 9.45 x 6.3 inch
Weight	1.2 kg
Connector	RJ45 & 1xU.FL
Material	ABS
Waterproof level	IP67
Operating temperature	from -40°C to 80°C from -40°F to 176°F
Wind resistance	150km/h

### Mounting Kit

Dimensions	
Regulation Range	
Weight	
Mast Dimensions Range	
Material	

### Features

- › Gain for the frequency of 863 - 870 MHz 1x 2 dBi
- › Polarization V for the frequency of 863 - 870 MHz
- › Gain for the frequency of 694 - 960 MHz 1x 2 dBi
- › Polarization V for the frequency of 694 - 960 MHz
- › Gain for the frequency of 1700 - 2700 MHz 1x 3 dBi
- › Polarization V for the frequency of 1700 - 2700 MHz
- › 1 x Connector U.FL
- › Big, ergonomic and voluminous **WiSpot** enclosure for radio equipment installation
- › Outdoor Waterproof Enclosure **WiSpot**
- › Designed and resistant for any weather conditions
- › RJ45 Waterproof System
- › 36 Warranty Months

### Systems

- › 3G - 2100 MHz, 850 MHz, 850 MHz, 900 MHz
- › GSM - 1800 MHz, 1900 MHz, 850 MHz, 850 MHz
- › RFID - 2400 - 2483 MHz, 865 - 868 MHz, 865 - 868 MHz, 902 - 928 MHz
- › ISM - 2400-2483 MHz, 868-870 MHz, 868-870 MHz
- › 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
- › WLAN - 2.4 GHz
- › Bluetooth - 2400-2483 MHz

### Applications

- › PtP connections