



## HIGH-DENSITY DUAL BAND OMNI ANTENNA

# WiSpot BOX OA M3DBC245-7V

**WiSpot BOX OA M3DBC245-7V** is an omnidirectional **MIMO 3x3 dual-band concurrent (2.4&5GHz)** antenna, working in **VV-polarization**, it's desired for **WiFi** connections. On the bottom side the **WiSpot** has the full **IP67** installation compartment, where You can easily install an electronic board with WiFi radio 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 as the **hotspot in parks, stadiums, warehouses, production halls, malls, lecture halls or another public places**. Its aesthetic design is acceptable in most of the visible places. **WiSpot BOX OA M3DBC245-7V** can be installed on the mast, a wall or the flat surface.

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

ROHS



### Electrical specification

Frequency	<ul style="list-style-type: none"> <li>2.4 - 2.5 GHz</li> <li>4.7 - 6 GHz</li> </ul>
Gain	<ul style="list-style-type: none"> <li>6 dBi</li> <li>7 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> </ul>
Beamwidth	<ul style="list-style-type: none"> <li>360°/25° +/- 5°</li> <li>360°/25° +/- 5°</li> </ul>
Polarization	<ul style="list-style-type: none"> <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	1.6 kg
Connector	RJ45 & 3xMMCX/U.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 2400 - 2500 MHz 3x 6 dBi
- › Polarization V for the frequency of 2400 - 2500 MHz
- › Gain for the frequency of 4700 - 6000 MHz 3x 7 dBi
- › Polarization V for the frequency of 4700 - 6000 MHz
- › 3 x Connector MMCX/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
- › 24 Warranty Months

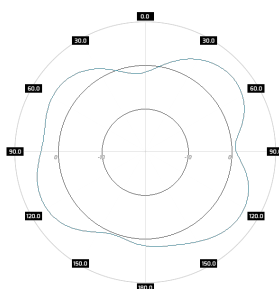
### Systems

- › LTE band - 40, 41
- › WLAN - 2.4 GHz, 5 GHz
- › WiMAX - 2.3 GHz, 2.5 GHz, 5 GHz
- › RFID - 2400 - 2483 MHz, 5725 - 5875 MHz
- › Bluetooth - 2400-2483 MHz
- › ISM - 2400-2483 MHz, 5725-5875 MHz

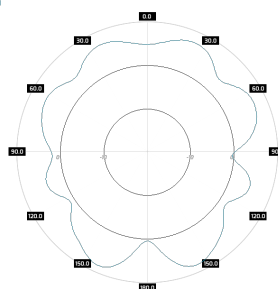
### Applications

- › Stadiums, Public Places
- › Hotspot
- › PtM Connections

### Plots



OA M3DBC245-7V  
2.4Ghz, azimuth



OA M3DBC245-7V  
5.5Ghz, azimuth