



## HIGH-DENSITY DUAL BAND OMNI ANTENNA **WiOmni 245-7V**

**WiOmni 245-7V** is omnidirectional concurrent panel mount antenna. The antenna is for the omnidirectional data distribution like hotspots or small cells in outdoor environment. The system comes with NMale connector and is designed to be mounted on NFemale connector on the BOXes. **WiOmni 245-7V** is predicted, among others, for being installed with **WiBOX Medium, Large and Extra Large IP67** enclosures (they can be ordered with N-connectors installed).

*The antenna doesn't come with WiBOX enclosures, photos are for demonstrative purposes.*

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	<ul style="list-style-type: none"> <li>3 x 22 x 0 cm</li> <li>1.18 x 8.66 x 0 inch</li> </ul>
Weight	0.2 kg
Connector	1xN Male
Material	ABS
Waterproof level	IP67
Operating temperature	<ul style="list-style-type: none"> <li>from -40°C to 80°C</li> <li>from -40°F to 176°F</li> </ul>
Wind resistance	300km/h

### Mounting Kit

Dimensions	
Regulation Range	
Weight	
Mast Dimensions Range	
Material	

### Features

- › Gain for the frequency of 2400 - 2500 MHz 1x 6 dBi
- › Polarization V for the frequency of 2400 - 2500 MHz
- › Gain for the frequency of 4700 - 6000 MHz 1x 7 dBi
- › Polarization V for the frequency of 4700 - 6000 MHz
- › 1 x Connector N Male
- › Big, ergonomic and voluminous **WiOmni245-7** enclosure for radio equipment installation
- › Outdoor Waterproof Enclosure **WiOmni245-7**
- › Designed and resistant for any weather conditions
- › 36 Warranty Months

### Systems

- › LTE band - 40, 41, 46, 47, 53, 252, 255
- › 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

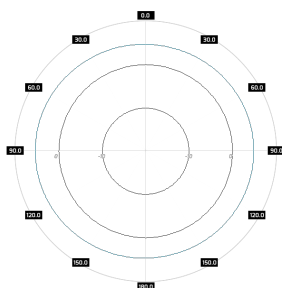
### Applications

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

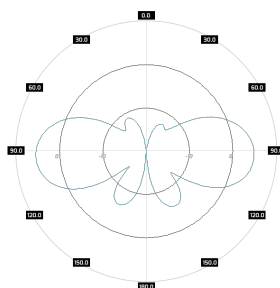
### Compatible with

- › Cisco - Aironet 3702e, Aironet 3702p, Aironet 3602e, Aironet 2702e, Aironet 2602e, Aironet 1602e

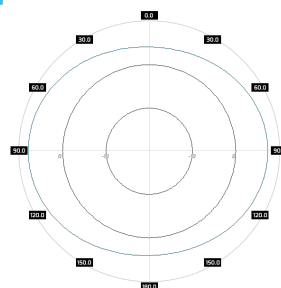
### Plots



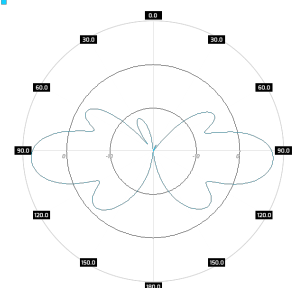
WiOmni245-7V  
2.45GHz azimuth



WiOmni245-7V  
2.45GHz, elev.



WiOmni245-7V  
5.5GHz, azimuth



WiOmni245-7V  
5.5GHz, elev.