



## 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 N Male connector and is designed to be mounted on N Female 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

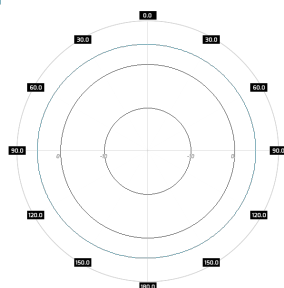
### Applications

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

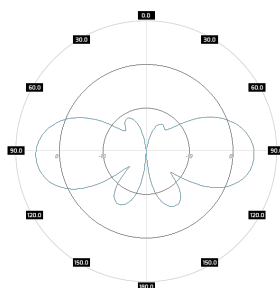
### Compatible with

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

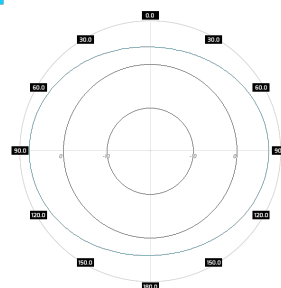
### Plots



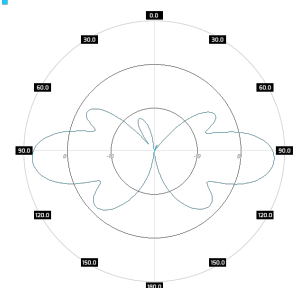
WiOmni245-7V  
2.45GHz azimuth



WiOmni245-7V  
2.45GHz, elev.



WiOmni245-7V  
5.5GHz, azimuth



WiOmni245-7V  
5.5GHz, elev.