



## TRIPLE BAND OMNI ANTENNA

# WiSpot BOX LTE & WiFi

**WiSpot BOX LTE & WiFi** is the product dedicated for setting **hotspots** working in dual-band WiFi system. The source of the Internet is taken by **4G LTE** by the **MIMO 2x2 omni antenna** operating in all available bands from 694-960 & 1700-2700 MHz (**B3, B7, B20**). The Internet connection from the **hotspot** is spreading by **MIMO2x2 dual-band omnidirectional antenna 2,4&5GHz**. **WiSpot** enclosure features an **installation compartment** for an electronic PCB with radio modules, the power supplying can be done by the **high-quality RJ45-ECS waterproof adapter** from Wireless Instruments. 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. The bracket enables **wall, mast or roof mounting**. It's ideal for building **permanent or mobile hotspots**.

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






### Electrical specification

Frequency	<ul style="list-style-type: none"> <li>☒ 0.694 - 2.7 GHz</li> <li>☒ 2.3 - 2.5 GHz</li> <li>☒ 4.7 - 6 GHz</li> </ul>
Gain	<ul style="list-style-type: none"> <li>☒ 4 dBi ±1</li> <li>☒ 6 dBi</li> <li>☒ 7 dBi</li> </ul>
VSWR	<ul style="list-style-type: none"> <li>☒ &lt;1.60, max &lt; 2.00</li> <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°/8°</li> <li>☒ 360°/25°</li> <li>☒ 360°/25°</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	20 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 & 2xU.FL & 2xMMCX
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 694 - 2700 MHz 2x 4 dBi ±1
- › Polarization V for the frequency of 694 - 2700 MHz
- › Gain for the frequency of 2300 - 2500 MHz 2x 6 dBi
- › Polarization V for the frequency of 2300 - 2500 MHz
- › Gain for the frequency of 4700 - 6000 MHz 2x 7 dBi
- › Polarization V for the frequency of 4700 - 6000 MHz
- › 2 x Connector U.FL & 2xMMCX
- › 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

- › LTE band - 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 23, 24, 25, 26, 27, 28, 29, 30, 30, 32, 33, 34, 35, 36, 37, 38, 39, 40, 40, 41, 41, 44, 45, 46, 47, 50, 51, 53, 53, 65, 66, 67, 68, 69, 70, 74, 75, 76, 85, 252, 255
- › WLAN - 2.4 GHz, 2.4 GHz, 5 GHz
- › WIMAX - 1.4 GHz, 2.3 GHz, 2.3 GHz, 2.5 GHz, 2.5 GHz, 5 GHz, 700 MHz
- › 3G - 2100 MHz, 850 MHz, 900 MHz
- › GSM - 1800 MHz, 1900 MHz, 850 MHz
- › RFID - 2400 - 2483 MHz, 2400 - 2483 MHz, 5725 - 5875 MHz, 865 - 868 MHz, 902 - 928 MHz
- › Bluetooth - 2400-2483 MHz, 2400-2483 MHz
- › ISM - 2400-2483 MHz, 2400-2483 MHz, 5725-5875 MHz, 868-870 MHz

### Applications

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