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** | 0.694 - 2.7 GHz  
| | 2.3 - 2.5 GHz  
| | 4.7 - 6 GHz  
| **Gain** | 4 dB ±1  
| 6 dB  
| 7 dB  
| **VSWR** | <1.60, max < 2.00  
| <1.70, max < 2.00  
| <1.70, max < 2.00  
| **Beamwidth** | 360°/9°  
| 360°/25°  
| 360°/25°  
| **Polarization** | V  
| V  
| V  
| **Cross-Polar Isolation** |  
| **Front-to-Back** |  
| **Separation between Connectors** | 50 G  
| **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** |  

### 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, 33, 34, 35, 36, 37, 38, 39, 40, 41, 44, 2305-2360, 2305-2360
- 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