



PTP/CLIENT ANTENNA

WiBOX PA 5-20

WiBOX PA 5-20 is a panel antenna (SISO) operating at the frequency band of: **5.1 – 5.85 GHz** with **20 dBi** gain, in **horizontal** or **vertical** polarization (changeable on the front cover). The antenna can be used in **point-to-point (PTP)** topology for medium distance links as bridges, backbones, or as a client antenna. It can work **indoor and outdoor (IP 67)**. It works with the systems of: **WLAN (802.11a)**. The antenna is integrated with the top quality **WiBOX Medium** box system.

ROHS



Electrical specification

| | |
|-------------------------------|----------------|
| Frequency | 5.1 - 5.85 GHz |
| Gain | 20 dBi |
| VSWR | <2.00 |
| Beamwidth | 16°/16° |
| Polarization | V,H |
| Cross-Polar Isolation | |
| Front-to-Back | |
| Separation between Connectors | |
| Impedance | 50 Ω |
| Max Input Power | 50 W |
| Lighting Protection | No |
| DC Ground | Yes |

Mechanic specification

| | |
|-----------------------|---|
| Dimensions | 27.2 x 27.6 x 9.6 cm 10.71 x 10.87 x 3.78 inch |
| Weight | 1.6 kg |
| Connector | RJ45 |
| Material | ABS |
| Waterproof level | IP67 |
| Operating temperature | from -40°C to 80°C from -40°F to 176°F |
| Wind resistance | 70km/h |

Mounting Kit

| | |
|-----------------------|---|
| Dimensions | 9.9 x 10.5 x 14.8 cm 3.9 x 4.13 x 5.83 inch |
| Regulation Range | +/- 30° |
| Weight | 0.87 kg |
| Mast Dimensions Range | 25 - 65mm |
| Material | Polyamide with fiberglass + galvanized steel U-Bolts |

Features

- › Gain for the frequency of 5100 - 5850 MHz 0x 20 dBi
- › Polarization V,H for the frequency of 5100 - 5850 MHz
- › 0 x Connector SMA
- › Big, ergonomic and voluminous **WiBOX Medium** enclosure for radio equipment installation
- › Outdoor Waterproof Enclosure **WiBOX Medium**
- › Designed and resistant for any weather conditions
- › RJ45 Waterproof System
- › Grounding system protecting against lightning - DC Ground
- › 36 Warranty Months

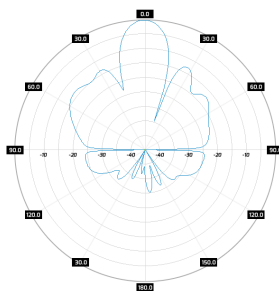
Systems

- › LTE band - 46, 252, 255
- › WLAN - 5 GHz
- › WiMAX - 5 GHz
- › RFID - 5725 - 5875 MHz
- › ISM - 5725-5875 MHz

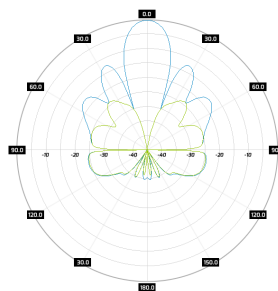
Applications

- › PtP connections
- › PtM Connections
- › System Integration

Plots



Radiation pattern Pol 1



Radiation pattern Pol 2