



PTP/CLIENT ANTENNA

WiBOX PA DM5-20HV

WiBOX PA DM5-20HV is H&V polarity MIMO 2x2 panel antenna. It operates at 5.1 – 5.85 GHz with 20 dBi gain. The antenna is predicted for point-to-multipoint (PMP) and point-to-point (PTP) connections. Due to medium gain, it can be used for medium distance links. It can work indoor and outdoor (IP67) as well. Wide frequency band (5.1 – 5.85 GHz) allows to easily find suitable frequency for the operation. It works with the WLAN 802.11a/n/ac systems. The antenna is integrated with the top quality WiBOX Large box system. The antenna comes with No. 2 RP SMA connectors.

ROHS



Electrical specification

| | |
|-------------------------------|----------------|
| Frequency | 5.1 - 5.85 GHz |
| Gain | 20 dBi |
| VSWR | <2.00 |
| Beamwidth | 16°/16° |
| Polarization | H&V |
| 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 | 29.2 x 48.6 x 10.6 cm 11.5 x 19.13 x 4.17 inch |
| Weight | 2.6 kg |
| Connector | RJ45 & 2xSMA |
| 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 |
| Max Dimensions Range | 25 - 65mm |
| Material | Polyamide with fiberglass + galvanized steel U-Bolts |

Features

- › Gain for the frequency of 5100 - 5850 MHz 2x 20 dBi
- › Polarization H&V for the frequency of 5100 - 5850 MHz
- › 2 x Connector SMA
- › Big, ergonomic and voluminous **WiBOX Extra Large** enclosure for radio equipment installation
- › Outdoor Waterproof Enclosure **WiBOX Extra Large**
- › Designed and resistant for any weather conditions
- › RJ45 Waterproof System
- › Grounding system protecting against lightning - DC Ground
- › 36 Warranty Months

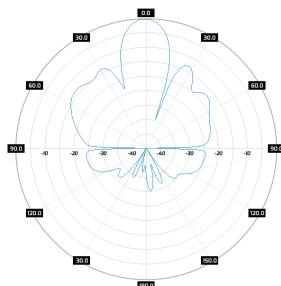
Systems

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

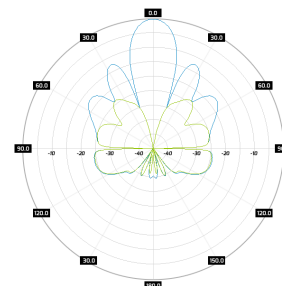
Applications

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

Plots



Radiation pattern Pol 1



Radiation pattern Pol 2