PTP/CLIENT ANTENNA

WiBOX PA M6-20HV

WiBOX PA M6-20HV is an innovative PTFE microstrip dual polarity H&V polarized (MIMO 2x2) planar antenna operating at the frequency range of 5.6 – 6.5 GHz with 20 dBi gain in both polarizations. It is designed for point-to-point (PTP) or point-to-multipoint (PMP) as the client antenna, where the medium-gained antennas are required. WiBOX PA M6-20HV works with WLAN 802.11n/ac systems. Can be installed indoor and outdoor (IP67). The antenna is integrated with the top quality WiBOX Medium system.

Electrical specification

- **Frequency**: 5.6 - 6.5 GHz
- **Gain**: 20 dBi
- **VSWR**: <2.00, max <2.00
- **Beamwidth**: 16°/16°
- **Polarization**: H&V
- **Cross-Polar Isolation**: >30 dB
- **Front-to-Back**: >41 dB
- **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**: 2.3 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
- **Mast Dimensions Range**: 25 - 65mm
- **Material**: Polyamide with fiberglass + galvanized steel U-Bolts

Features

- Gain for the frequency of 5600 - 6500 MHz 2x 20 dBi
- Polarization H&V for the frequency of 5600 - 6500 MHz
- 2 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

- WLAN - 5 GHz
- WiMAX - 5 GHz
- RFID - 5725 - 5875 MHz
- ISM - 5725-5875 MHz

Applications

- PTP connections
- PTPM Connections
- System Integration

Plots

- Radiation pattern Port 1 Pol 1
- Radiation pattern Port 1 Pol 2
- Radiation pattern Port 2 Pol 1
- Radiation pattern Port 2 Pol 2