PTP/CLIENT ANTENNA

WIBOX PA M5-24X

WIBOX PA M5-24X is an innovative PTFE microstrip dual polarity X (slant) polarized (MIMO 2x2) planar antenna operating at the frequency range of 5.1 – 5.95 GHz with 24 dBi gain in both polarizations. It is desired for point-to-point (PTP) or point-to-multipoint (PMP) as the client antenna, where the high-gained antennas are required. Due to slant (+/- 45 Deg) polarization, PA M5-24X can be used in interfered environment, works with WLAN 802.11n/ac systems. Can be installed indoor and outdoor (IP67). The antenna is integrated with the top quality WIBOX Large box system.

Electrical specification

- Frequency: 5.1 - 5.95 GHz
- Gain: 24 dB
- VSWR: ≤1.80, max ≤ 2.00
- Beamwidth: 8/8°
- Polarization: X
- Cross-Polar Isolation: > 30 dB
- Front-to-Back: > 40 dB
- Impedance: 50 Ω
- Max Input Power: 50 W
- Lighting Protection: No
- DC Ground: Yes

Mechanic specification

- Dimensions: 39.2 x 39.6 x 9.6 cm (15.43 x 15.59 x 3.78 inch)
- Weight: 2.9 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 5100 - 5950 MHz 2x 24 dBi
- Polarization X for the frequency of 5100 - 5950 MHz
- 2 x Connector SMA
- Big, ergonomic and voluminous WIBOX Large enclosure for radio equipment installation
- Outdoor Waterproof Enclosure WIBOX Large
- Designed and resistant for any weather conditions
- RJ45 Waterproof System
- Grounding system protecting against lighting - DC Ground
- 36 Warranty Months

Systems

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

Applications

- PtP connections
- PtM Connections
- System Integration

Compatible with

- Cambium Networks - ePMP 1000 Connectorized Radio, ePMP 1000 GPS Sync Radio

Plots

- PA M5-24X port 1, azimuth
- PA M5-24X port 1, elev.
- PA M5-24X port 2, azimuth
- PA M5-24X port 2, elev.