



## 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.

ROHS



### Electrical specification

|                               |                   |
|-------------------------------|-------------------|
| Frequency                     | 5.1 - 5.95 GHz    |
| Gain                          | 24 dBi            |
| VSWR                          | <1.80, max < 2.00 |
| Beamwidth                     | 8°/8°             |
| Polarization                  | X                 |
| Cross-Polar Isolation         |                   |
| Front-to-Back                 | > 30 dB           |
| Separation between Connectors | > 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<br>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<br>from -40°F to 176°F         |
| Wind resistance       | 70km/h  |

### Mounting Kit

|                       |   |
|-----------------------|---|
| Dimensions            | 9.9 x 10.5 x 14.8 cm<br>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 +<br>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 lightning - DC Ground
- › 36 Warranty Months

### Systems

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

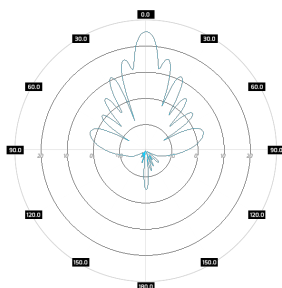
### Applications

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

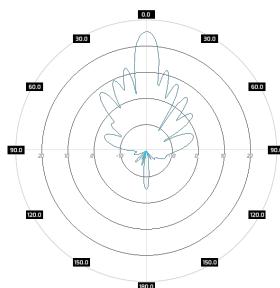
### Compatible with

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

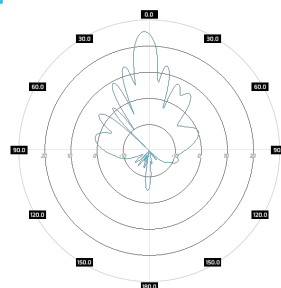
### Plots



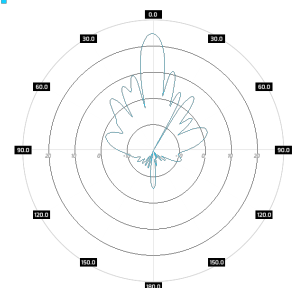
PA M5-24X  
port 1, azimuth



PA M5-24X  
port 1, elev.



PA M5-24X  
port 2, azimuth



PA M5-24X  
port 2, elev.