



PTP/CLIENT ANTENNA

WiPanel M5-24X SLIM NF

WiPanel PA M5-24X SLIM NF 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. 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 | > 25 dB |
| Front-to-Back | > 30 dB |
| Separation between Connectors | > 30 dB |
| Impedance | 50 Ω |
| Max Input Power | 50 W |
| Lighting Protection | No |
| DC Ground | Yes |

Mechanic specification

| | |
|-----------------------|---|
| Dimensions | 39.2 x 39.6 x 7.7 cm 15.43 x 15.59 x 3.03 inch |
| Weight | 2.9 kg |
| Connector | RJ45 & 2xNF |
| Material | ABS |
| Waterproof level | IP67 |
| Operating temperature | from -40°C to 70°C from -40°F to 158°F |
| Wind resistance | km/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 |
| Most 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 Nf
- › Big, ergonomic and voluminous **WiBOX Large Slim** enclosure for radio equipment installation
- › Outdoor Waterproof Enclosure **WiBOX Large Slim**
- › Designed and resistant for any weather conditions
- › RJ45 Waterproof System
- › Grounding system protecting against lightning - DC Ground
- › 36 Warranty Months

Systems

- › LTE band - 46, 47, 252, 255
- › WLAN - 5 GHz
- › WiMAX - 5 GHz
- › RFID - 5725 - 5875 MHz
- › ISM - 5725-5875 MHz

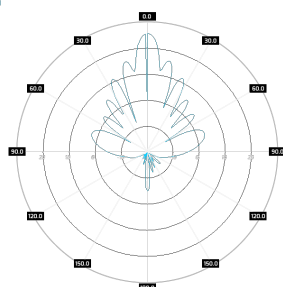
Applications

- › PtP connections
- › PtM Connections

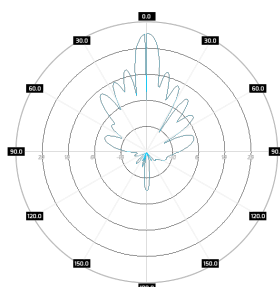
Compatible with

- › Cambium Networks - ePMP 1000 Connectorized Radio, ePMP 1000 GPS Sync Radio
- › MIMOSA - A5C, C5C

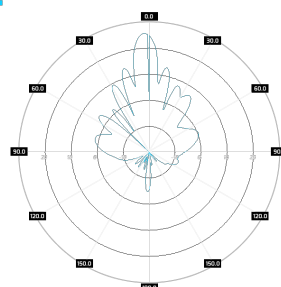
Plots



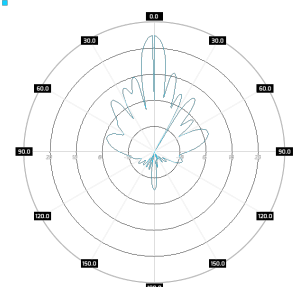
PA M5-24X
Port 1, azimuth



PA M5-24X
Port 1, elev.



PA M5-24X
Port 2, azimuth



PA M5-24X
Port 2, elev.