



PTP/CLIENT ANTENNA

WiBOX PA D4M5-20HVX

WiBOX PA D4M5-20HVX is H&V&X (slant) polarity MIMO 3x3/4x4 panel antenna, where each radiation stream is on separated polarity. It operates at 5.1 – 5.9 GHz with 20 dBi gain in all polarizations. 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 – 5.9 GHz) allows to easily find suitable frequency for the operation. It works with the WLAN 802.11n/ac systems. PA D4M5-20HVX can work with Cisco, Aruba Networks, Huawei, Xirrus, MikroTik, Ubiquiti and others. The antenna is integrated with the top quality WiBOX Extra Large box system. The antenna comes with No. 4 RP SMA connectors.

ROHS



Electrical specification

| | |
|-------------------------------|---------------|
| Frequency | 5.1 - 5.9 GHz |
| Gain | 20 dBi |
| VSWR | <2.00 |
| Beamwidth | 16°/16° |
| Polarization | X,H&V |
| Cross-Polar Isolation | |
| Front-to-Back | > 30 dB |
| Separation between Connectors | > 32 dB |
| 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 | 2.7 kg |
| Connector | RJ45 & 4xSMA |
| 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 |
| Most Dimensions Range | 25 - 65mm |
| Material | Polyamide with fiberglass + galvanized steel U-Bolts |

Features

- › Gain for the frequency of 5100 - 5900 MHz 4x 20 dBi
- › Polarization X,H&V for the frequency of 5100 - 5900 MHz
- › 4 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, 47, 252, 255
- › WLAN - 5 GHz
- › WiMAX - 5 GHz
- › RFID - 5725 - 5875 MHz
- › ISM - 5725-5875 MHz

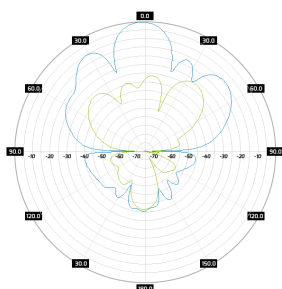
Applications

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

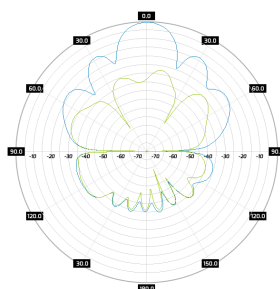
Compatible with

- › Cisco - Aironet 1532E, Aironet 1552H

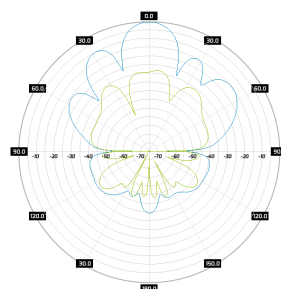
Plots



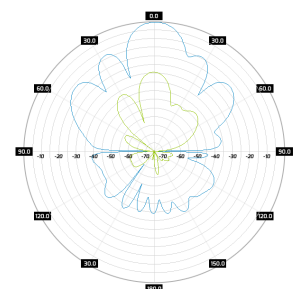
Radiation pattern Port 1 Pol 1



Radiation pattern Port 1 Pol 2



Radiation pattern Port 2 Pol 1



Radiation pattern Port 2 Pol 2