



## 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

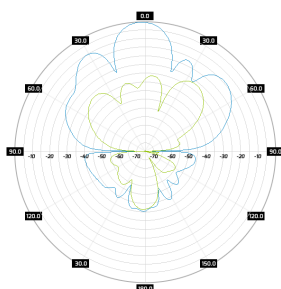
### Applications

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

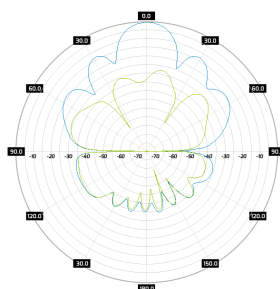
### Compatible with

- › Cisco - Aironet 1532E, Aironet 1552H

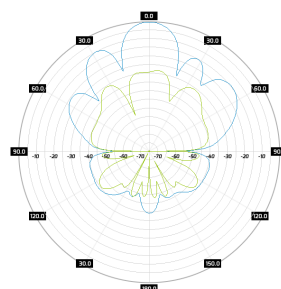
### Plots



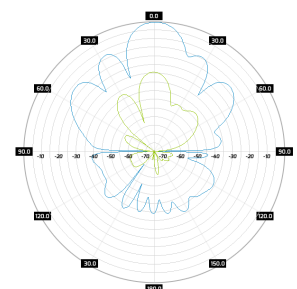
Radiation pattern Port 1 Pol 1



Radiation pattern Port 1 Pol 2



Radiation pattern Port 2 Pol 1



Radiation pattern Port 2 Pol 2