



BASE SECTOR ANTENNA

WiBOX SA 5-45-19H

WiBOX SA5-45-19H is a **sector H-polarity** microstrip planar antenna operating at the frequency range of **5.1 – 5.9 GHz** with **19 dBi** gain. It is desired for **point-t-multipoint (PMP)** connections, where the high-gained base station antennas are required. It has narrow beamwidth so it can be used for covering small and medium areas as **a base station** for client stations or as the **hotspot in schools, halls, stadiums or another public places**. Works with **WLAN 802.11a** 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 - 5.9 GHz
Gain	19 dBi
VSWR	<1.50, max < 1.80
Beamwidth	8°/45°
Polarization	H
Cross-Polar Isolation	
Front-to-Back	
Separation between Connectors	
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
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 - 5900 MHz 0x 19 dBi
- Polarization H for the frequency of 5100 - 5900 MHz
- 0 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

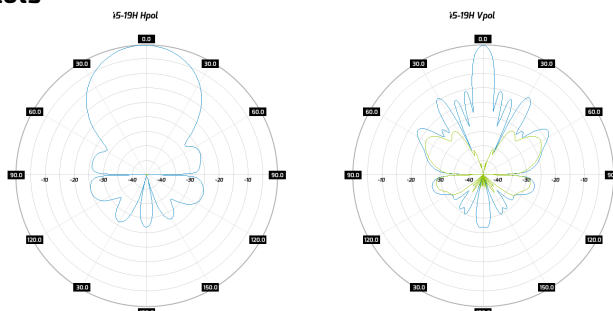
Systems

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

Applications

- Stadiums, Public Places
- Hotspot
- PtM Connections
- System Integration

Plots



Radiation pattern WiBOX 5-45-19H H-Pol Radiation pattern WiBOX 5-45-19H V-Pol