



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-to-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
Max 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

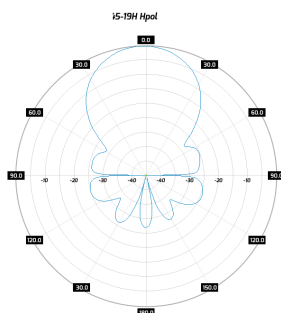
Systems

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

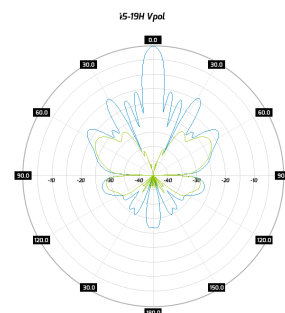
Applications

- › 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