



BASE SECTOR ANTENNA

WiBOX SA 5-45-19V

WIBOX SA5-45-19V is a sector V-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.











Electrical specification

Frequency	5.1 - 5.9 GHz
Gain	19 dBi
VSWR	<1.50, max < 1.80
Beamwidth	8°/45°
Polarization	V
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 Ox 19 dBi
- > Polarization V for the frequency of 5100 5900 MHz
- > 0 x Connector 5MA
- 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 lighting - DC Ground
- > 36 Warranty Months

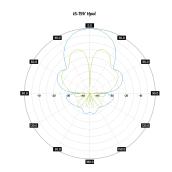
Systems

- > LTE band 46, 47, 252, 255
- > WLAN 5 GHz
- > WiMAX 5 GHz
- > RFiD 5725 5875 MHz
-) ISM 5725-5875 MHz

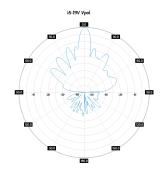
Applications

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

Plots



Radiation pattern WiBOX SA 5-45-19V H-pol



Radiation pattern WiBOX SA 5-45-19V V-pol