

# 520ac, Outdoor WiFi System

5GHz 11ac with 20dBi panel antenna



## Key Features

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- Qualcomm technology 9563 CPU + 9882 Wireless module
- Proprietary wireless mechanism which ensures the performance
- Built-in 20dBi antenna
- Designed for large capacity application up to \*500Mbps
- New enclosure & bracket concepts

## Specifications

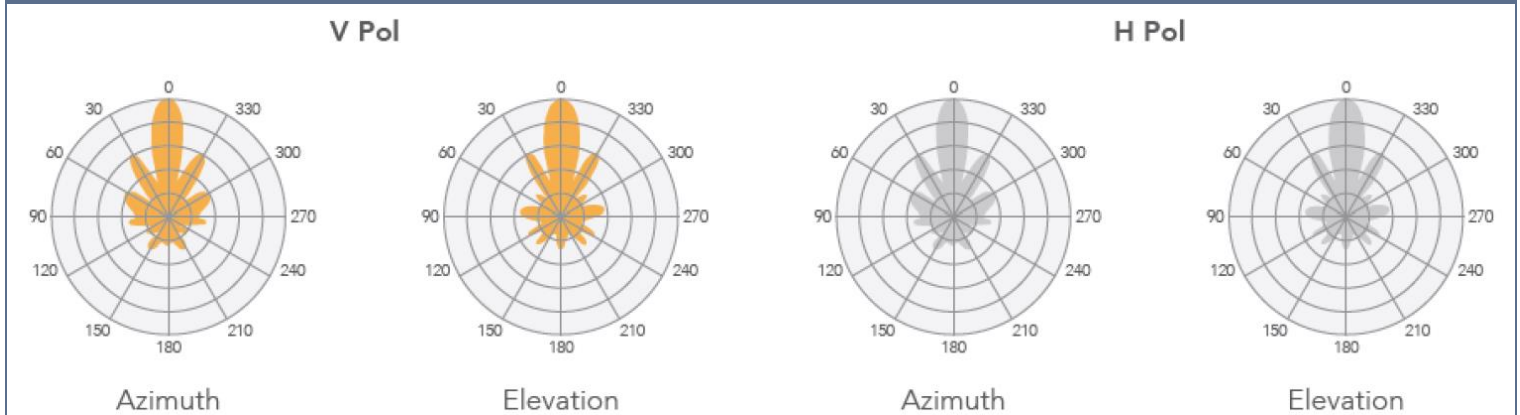
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Radio	
Frequency range	5.15~5.850GHz
Channel bandwidth	40/80MHz
Modulation	802.11a/n: OFDM (64-QAM, 16-QAM, QPSK, BPSK) 802.11 ac: OFDM (256-QAM, 64-QAM, 16-QAM, QPSK, BPSK)
Antenna	Built-in 20dBi panel antenna (16° both vertical & horizontal)
Data rate	802.11 ac @ 40 MHz: 400, 360, 300, 270, 240, 180, 120, 90, 60, 30 Mbps 802.11 ac @ 80 MHz: 866, 780, 650, 585, 520, 390, 260, 195, 130, 65 Mbps
Bandwidth-Tx Power-Sensitivity	

# Hot Stuff Intl

<b>40MHz</b>	<b>Modulation/Mbps</b>	400	360	300	270	240	180	120	90	60	30
	<b>Tx power/dBm</b>	26	27	28	29	30	30	30	30	30	30
	<b>Sensitivity/dBm</b>	-70	-72	-76	-78	-80	-84	-87	-92	-94	-95
<b>80MHz</b>	<b>Modulation/Mbps</b>	866	780	650	585	520	390	260	195	130	65
	<b>Tx power/dBm</b>	24	25	25	26	27	28	29	29	29	29
	<b>Sensitivity/dBm</b>	-64	-66	-70	-72	-74	-78	-81	-85	-88	-90

## Antenna



## Interfaces

LAN 10/100/1000 Base-T, RJ45

## Security

Data Encryption AES128

## Software functions

Management & setup Web-based via popular browser (Chrome, IE 9.0 or later)

WNMS Supported

Network architecture PtP / PtMP

Protocol TCP/IP

SNMP Supported

Antenna alignment By LED indicators

## Power supply & consumption

Power supply 24V Passive PoE

Consumption 10W max.

## Environment

Operating temperature -40 ~ +65° C

Humidity 0% ~ 90% non-condensing

## Physical

Dimension 216(L) \* 184(W) \* 80(H) mm

Weight Approx. 420gs

## Standard accessories

24v PoE, AC cord, mount kit

## Certifications

FCC, IC

*Provided by Hot Stuff Intl. Co., Ltd.*

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