

Product Overview

DA080 is an Qualcomm Solution MU-MIMO 11ac high power industrial use Outdoor access point with the next generation 802.11ac Wi-Fi standard, combined 1200Mbps Wi-Fi speed over 2.4GHz(300Mbps) and 5GHz(900Mbps), equipped Gigabit WAN port, fast Ethernet data rate make more than 100 end users can access into it to enjoy seamless HD movies, streaming, online gaming, wireless security and other bandwidth-intensive tasks.

Main Features

- Comply with IEEE 802.11ac/b/g/n, dual band, 1200Mbps Data Rate
- 1 10/100/1000Mbps WAN Port, faster Ethernet.
- 500mW high power, can connect with external antenna for stronger signal strength and more wireless coverage, 16M Flash, 128M DDR2 RAM, more user, more stable
- Support IEEE 802.3at PoE standard
- Support SSID broadcasting, Multi SSID up to 8 (4 SSID in 2.4GHz, 4 SSID in 5GHz)
- Support Gateway (PPPOE, static IP, dynamic IP) , Wireless AP, Repeater, WISP operation mode
- With function of build in firewall, IP filter, URL filter and MAC filter
- Comply with IEEE 802.3az standard, beamforming technology, RF power adjustment and frequency analyzer for better application in different environment
- Support DDNS, VPN pass through, Port forwarding and DMZ host
- Support 64/128-bit WEP security, 128bit WPA (TKIP/AES) security



SPECIFICATIONS

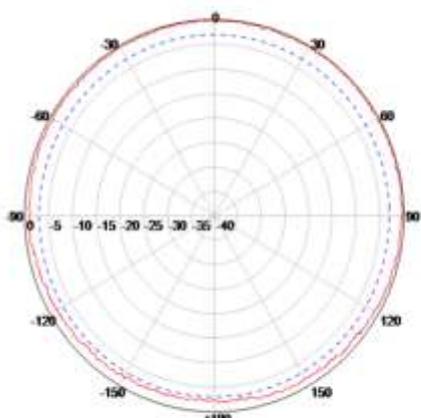
Hardware					
Chipset	Qualcomm QCA9563 + QCA9886 +QCA8334				
Standard	802.11ac/b/g/n, MU-MIMO technology				
Memory	128MB DDR2 RAM				
Flash	16MB				
Interface	1 * 10/100 /1000Mbps RJ45 WAN Port				
	1 * Reset button, press 15 seconds to revert to default setting				
Antenna	4PCS N type antenna connector				
Power consumption	48V PoE<30W				
Weight	4KGS				
RF Data					
Frequency	2.4G: 802.11b/g/n; 5GHz: 802.11a/n/ac				
	2.4GHz: 2.312GHz to 2.4835GHz 5GHz: 5.020 - 6.1000 GHz				
Modulation	OFDM = BPSK,QPSK, 16-QAM, 64-QAM				
	DSSS = DBPSK, DQPSK, CCK				
Throughput	1200 Mbps				
2.4G RF Power	802.11b	11M	23±2dBm	1M	25±2dBm
	802.11g	54M	22±2dBm	6M	24±2dBm
	802.11n HT20	MCS7	21±2dBm	MCS0	23±2dBm
	802.11n HT40	MCS7	20±2dBm	MCS0	22±2dBm
5G RF Power	802.11a	54M	21±2dBm	6M	24±2dBm
	802.11n HT20	MCS7	21±2dBm	MCS0	24±2dBm
	802.11n HT40	MCS7	20±2dBm	MCS0	23±2dBm
	802.11ac HT80	MCS9	19±2dBm	MCS0	22±2dBm
2.4G Receive Sensitivity	802.11b	11M	-85dBm	1M	-94dBm
	802.11g	54M	-72dBm	6M	-90dBm
	802.11n HT20	MCS7	-70dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-86dBm
5G Receive Sensitivity	802.11a	54M	-72dBm	6M	-90dBm
	802.11n HT20	MCS7	-70dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-86dBm
	802.11ac HT80	MCS9	-58dBm	MCS0	-85dBm
EVM	2.4G: 802.11b: ≤-10 dB; 802.11g: ≤-25 dB; 802.11n: ≤-28 dB 5G: 802.11a: ≤-25dB; 802.11n: ≤-28 dB; 802.11ac: ≤-32 dB				
PPM	±20ppm				
Max Users	128+				

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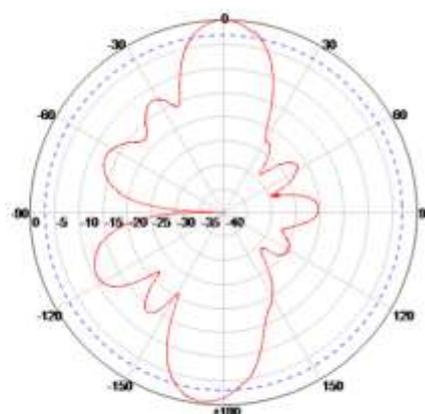
Firmware Features	
Operation mode	Wireless AP, Gateway, WISP, Wi-Fi Repeater
WAN Type	Dynamic IP/Static IP/PPPoE/L2TP(Dual Access) /PPTP(Dual Access)
Wireless Security	64/128-bit WEP, WPA / WPA2, WPA-PSK/ WPA2-PSK encryption
SSID	Multiple SSID (4 SSID for 2.4G, 4 SSID for 5.8G)
Firewall	DoS, SPI Firewall, IP Address Filter/MAC Address Filter/Domain Filter IP and MAC Address Binding
Protocols	IPv4
Others	
Package Contents	1200Mbps Dual Band wireless access point Ethernet Cable Quick Installation Guide Setting Accessory
System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, Windows 8, MAC OS, NetWare, UNIX or Linux
Environment	Operating Temperature: -40~50 °C, Storage Temperature: -40~70 °C Operating Humidity: 10%~90% non-condensing; Storage Humidity: 5%~90% non-condensing
Management	Firmware GUI , Remote Management, WLAN Controller, Cloud Management System

ANTENNA SPECIFICATIONS

Frequency Range	2.4GHz & 5.8GHz
Impedance	50 Ohms nominal
Gain	6dBi
Radiation	Omni
Polarization	Vertical
Connector	N-J
MM Dimension	φ20*350mm



H-Plane



E-Plane

ADVANCE FEATURES

Metal waterproof, dust proof and sunscreen shell, temperature adaptive

DA080 with metal waterproof, dust proof and sunscreen shell, avoid the damage from dust, thunderstorm weather. Meantime, it adaptive to various environment, the working temperature can be normal at -40°C to 55°C. Suit for any country.

High Power design, N connector for external antenna, more range and stable signal

Designed in two line Power Amplifier on PCB board, the power can be 500mW high power, 4PCS N connector, can connect with panel/omni antenna based on request, can greatly increase the Wi-Fi range and supply the stable Wi-Fi signal for users.

Wave 2 Technology

With Wave 2 Technology, it adopt 256QAM modulation, support MU-MIMO (Multi-User Multiple-Input Multiple-Output), 4 Spatial Steams, greatly to improved the communication efficiency.

Power over Ethernet

DA080 has integrated IEEE802.3at Power over Ethernet (PoE), for easy installation and lower cost. So it can be installed in areas where power outlets are not readily available, eliminating the mess of altering existing network infrastructure.

Access Controller System & Cloud Management System

Work with WLAN controller in wireless AP operation mode, easily access advanced network settings through PC, like AP status monitor, change IP address, ESSID, Channel, Password, upgrade firmware, backup and restore.

Then work with Cloud Management System, easy to do central and remote management, advertisement and multi authentication make this device more professional in Wi-Fi Projects.

APPLICATIONS

