

### Product Overview

**C880** is an 11ax Wi-Fi standard Qualcomm Chipset high power industrial Ceiling Wireless Access Point support MU-MIMO, Wave2.0, OFDMA and Seamless Roaming.

- **Wave2.0 11ax 4x4 MU-MIMO, 3600Mbps Ceiling Wireless AP**
- **Qualcomm IPQ8072 chipset, Industrial applications**
- **Managed by AP controller, can access into cloud**



### Main Features

- It comply with 802.11ax, 4\*4 MIMO technology, dual band, up to 3657Mbps data rate; equipped with 2.5G WAN & LAN ports, support MU-MIMO and DL/UL-OFDMA modulation, faster Ethernet data rate and more users, then multiple users can upload or download multiple packets at same time, narrower subcarrier spacing and longer symbol time, improved the stability and data processing efficiency, publicly to be used in high density access environment such as university campus, concert venue, gymnasium, etc.
- It with QSDK driver, support seamless roaming, 5G prior, OFDMA and DL/UL-OFDMA (37 users in 5.8G, 18 users in 2.4G); What's more, this device can work with OpenWRT firmware also, our technical firmware team can provide efficient technical support for fast firmware development.

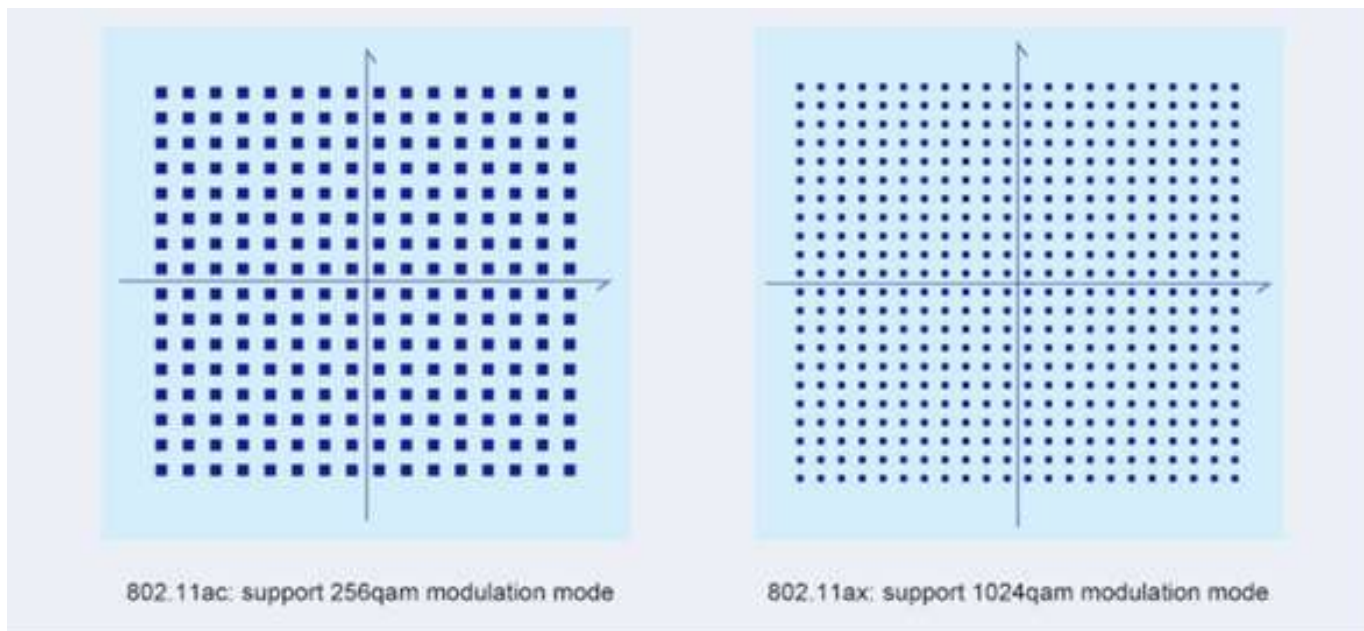
### 802.11AX WIFI6 HIGH PERFORMANCE

Wireless data rate up to 1.8Gbps. 802.11ax support 1024QAM, long OFDM symbol, 160M bandwidth and 11ax 4x4 MIMO technology, the wireless data rate up to 3.6Gbps, meet with demand of high-speed applications such as VR/ AR, 4K or 8K stream media.



### 1024QAM ADVANTAGES

1024-QAM Modulation Mode. 802.11ax adopt 1024-QAM modulation, which is more efficient than 802.11ac modulation, the throughput of single spatial traffic is increased by 25%.



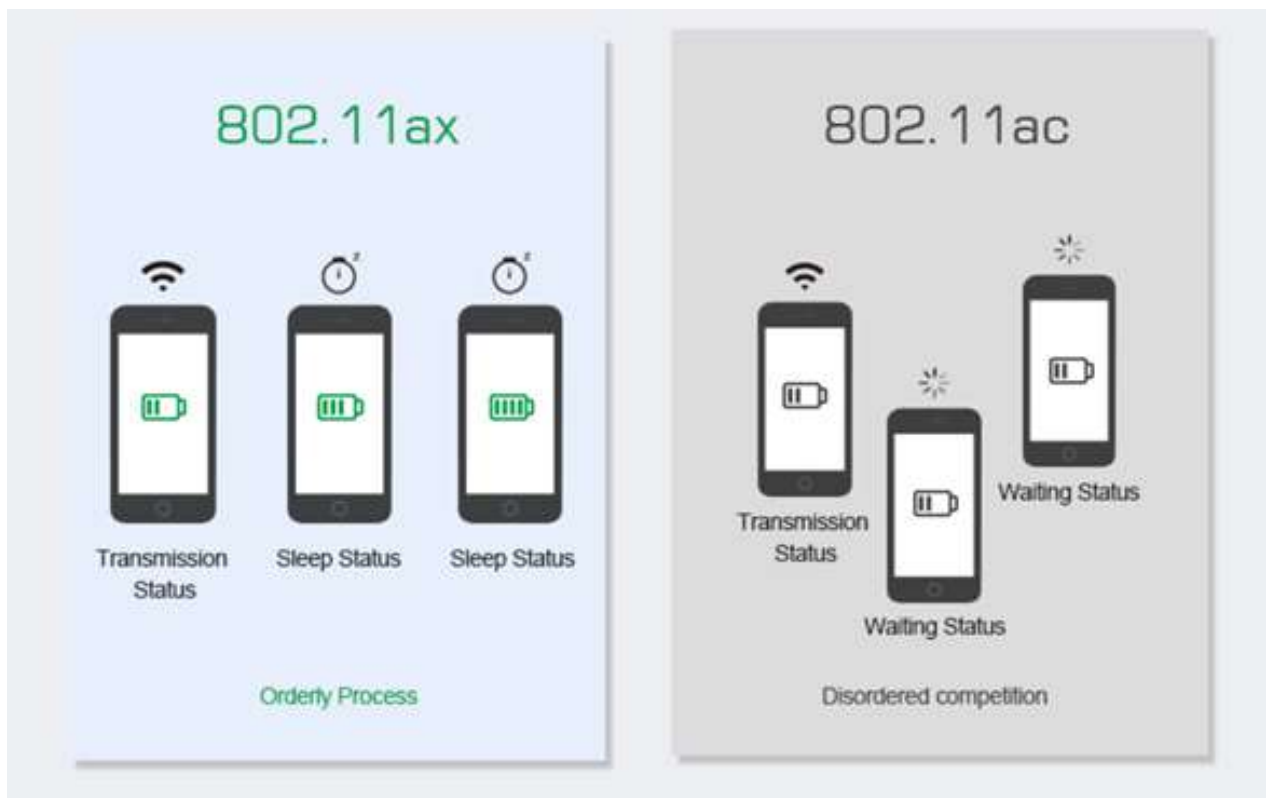
### MU MIMO ADVANTAGES

DL/ UL MU-MIMO. 802.11ax support both downlink MU-MIMO and uplink MU-MIMO. It can communicate with multiple end users at the same time, greatly improving the user's uplink transmission rate and the system's uplink and downlink capacity, improving the efficiency of multi-user concurrent scenarios, reducing the terminal application latency.

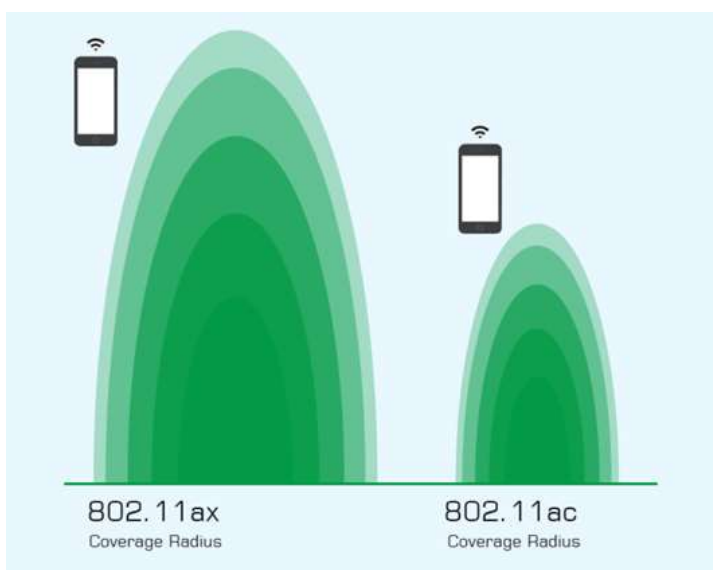


**POWER SAVING WITH TWT**

TWT (Target Wake-up Time). 802.11ax support TWT, allowing devices to negotiate when need to wake up, send and receive data. In additional, wireless AP can group the device into different TWT cycles, increase sleep time, reduce the device competing after wake-up, and save the device power.

**MORE COVERAGE WITH OFDM**

Coverage Improvement. 802.11ax support long OFDM symbol transmission mechanism and 2MHz narrowband transmission, effectively reduced the packet loss rate and noise interference, improve the receive sensitivity and increase the WiFi coverage.



## SPECIFICATIONS

## ax 3657Mbps Dual Band Wave2 Ceiling WiFi6 AP

Hardware	
Chipset	IPQ8072A +QCN5054+QCN5024+QCA8081*2
Standard	802.11ax/ac/b/g/n
DDR	256MB(16bit)*2=1GB, maxi up to 2GB
Flash	NOR-8MB AND NAND-256MB
2.4G Frequency	2.4GHz - 2.484GHz
2.4G Wi-Fi standard	802.11b/g/n/ax
5.8G Frequency	5150~5850MHz
5.8G Wi-Fi Standard	802.11 a/n/ac/ax
Interface	1 * 10/100/1000/2500Mbps RJ45 WAN Port
	1 * 10/100/ 1000/2500Mbps RJ45 LAN Port
	1 * Reset
	1* Bluetooth(optional)
	1 * DC Port
Antenna	IPEX Connector, 4*3dBi omni antennas
Data Rate	3657Mbps (2.4G: 1182Mbps (11ax 4x4); 5.8G: 2475Mbps (11ax 4x4))
End Users	150+
RF Power	2.4g ≤ 22dBm 5.8g ≤ 22dBm
DC	12V----3A
PoE	48V (IEEE 802.3at+)
LED light	Sys; 5.8G wifi; 2.4G wifi; WAN; LAN
Max Power Consumption	≤ 35W
Size	198mm * 198mm * 41.02mm
Weight	TBD
Working Temperature	-20°C to 45°C
Storage Temperature	0°C to 70°C
Humidity	5%~95% (non-condensing)