

Product Overview

DX830 is an **11ax Wi-Fi** standard Outdoor Wireless AP with build in directional antenna with **100+** meters distance, equipped with Qualcomm Chipset, it support **MU-MIMO**, Wave2.0, OFDMA and Seamless Roaming.

Combined **3000Mbps** Wi-Fi speed over 2 radios: 2.4GHz(600Mbps 11ax 2*2)+5GHz(2400Mbps 2*2), equipped 1G WAN 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 sub-carrier 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.

What's more, with IP67 water-proof level, lightning protection, it can install at every place to work as an stable base station for more wireless range and more access users.

Main Features

- Qualcomm IPQ5018 chipset, 11ax, Wi-Fi6 standard;
- Dual 2.4G and 5.8G band, 3000Mbps high speed;
- High power design, directional antenna, more than 100 meters wireless coverage;
- 1*10/100/1000Mbps WAN port support IEEE 802.3af PoE standard;
- 1*10/100/1000Mbps console port for engineer debug;
- Support IP67 water-proof level, with lightning protection board inside, totally to protect the whole product even install in the harsh environment;
- Can work with cloud server for remote configure and management.



Hardware					
Chipset	IPQ5018 +QCN6122/QCN6102				
Standard	802.11ax/ac/b/g/n				
Flash	SPI NOR 8MB (1.8v) + NAND 128MB				
DDR3L	512MB				
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 RJ45 WAN Port				
	1 * 10/100 /1000 RJ45 Console Port				
	1 * Reset button, press 10 seconds to revert to default setting				
Antenna	Build in directional antenna, 8dBi @ 2.4GHz; 8dBi @ 5.8GHz				
Data Rate	3000Mbps				
EndUsers	160+				
2.4G RF Power	802.11b	11M	24±2dBm	1M	24±2dBm
	802.11g	54M	21±2dBm	6M	23±2dBm
	802.11n HT20	MCS7	20±2dBm	MCS0	22±2dBm
	802.11n HT40	MCS7	20±2dBm	MCS0	22±2dBm
	802.11ax HE20	MCS11	18±2dBm	MCS0	22±2dBm
	802.11ax HE40	MCS11	18±2dBm	MCS0	22±2dBm
5.8G RF Power	802.11a	54M	19±2dBm	6M	22±2dBm
	802.11n HT20	MCS7	18±2dBm	MCS0	21±2dBm
	802.11n HT40	MCS7	18±2dBm	MCS0	21±2dBm
	802.11ac VHT80	MCS9	17±2dBm	MCS0	21±2dBm
	802.11ax HE80	MCS11	17±2dBm	MCS0	21±2dBm
	802.11ax HE160	MCS11	17±2dBm	MCS0	21±2dBm
2.4G Receive Sensitivity	802.11b	11M	-85dBm	1M	-90dBm
	802.11g	54M	-72dBm	6M	-90dBm
	802.11n HT20	MCS7	-70dBm	MCS0	-87dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-85dBm
	802.11ax HE20	MCS11	-60dBm	MCS0	-83dBm
	802.11ax HE40	MCS11	-56dBm	MCS0	-83dBm
5.8G Receive Sensitivity	802.11a	54M	-72dBm	6M	-92dBm
	802.11n HT20	MCS7	-70dBm	MCS0	-90dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-88dBm
	802.11ac VHT80	MCS9	-58dBm	MCS0	-85dBm
	802.11ax HE80	MCS11	-55dBm	MCS0	-84dBm
	802.11ax HE160	MCS11	-51dBm	MCS0	-82dBm

Others	
PoE	48V (IEEE 802.3af)
LED light	Sys, WAN, 2.4G, 5.8G
Power Consumption	≤ 24W
Environment	
Environment	Operating Temperature: -20~45 °C Limit working temperature: -30~70 °C Storage Temperature: -40~70 °C Humidity: 5%~95% non-condensing
Package Contents	
1	AP
1	LAN Cable
1	Mounting Kit
1	Gift Box

