

DIGISOL 11ax 3000Mbps Wi-Fi6 Outdoor Wireless AP- Omni Antenna

Model: DG-WA830AXO

(HW ver : A2)



Description:

DG-WA830AXO is a high-performance 4T4R dual-band 802.11AX product that can provide 2.4G and 5.8GHz dual-band wireless services. 2.4G provides a maximum access rate of 574Mbps, and 5G provides a maximum access rate of 2402Mbps.

Main Features:

- Has better transmission quality, higher transmission rate, and concurrent rate up to 3000Mbps.
- Using IPQ5018 chip, it greatly expands the user capacity and can support 256 users.
- The heat sink adopts snap-on structure design and surface nano-coating treatment, which makes the heat dissipation effect more ideal.
- The radio frequency uses high-power FEM, which has stable performance and farther coverage.
- The addition of lightning protection board components greatly enhances the protection capabilities of the equipment.

Hardware Specification:

Model	DG-WA830AXO
CPU	IPQ5018 +QCN6102+ QCA8081
Flash	SPI NOR 8MB SPI NAND 128MB
DDR3	512MB*1
2.4G working frequency	2.4GHz ~ 2.484GHz
2.4G WIFI protocol	802.11 b / g / n/ ac /ax
5G working frequency	5.150GHz ~ 5.825GHz
5G WIFI protocol	802.11 a / n / ac /ax

Internal 2.4G	2*2.4G: 5dBi				
Internal 5G	2*5.8G: 7dBi				
Max rate	2.4G: 574Mbps; 5G: 2402Mbps				
2.4G TX Power	802.11b	11M	26±2dBm	1M	26±2dBm
	802.11g	54M	23±2dBm	6M	25±2dBm
	802.11n HT20	MCS7	22±2dBm	MCS0	24±2dBm
	802.11n HT40	MCS7	22±2dBm	MCS0	24±2dBm
	802.11ax HE20	MCS11	20±2dBm	MCS0	24±2dBm
	802.11ax HE40	MCS11	20±2dBm	MCS0	24±2dBm
5G TX Power	802.11a	54M	22±2dBm	6M	25±2dBm
	802.11n HT20	MCS7	21±2dBm	MCS0	23±2dBm
	802.11n HT40	MCS7	21±2dBm	MCS0	23±2dBm
	802.11ac VHT20	MCS9	21±2dBm	MCS0	23±2dBm
	802.11ac VHT40	MCS9	20±2dBm	MCS0	23±2dBm
	802.11ac VHT80	MCS9	20±2dBm	MCS0	23±2dBm
	802.11ax HE20	MCS11	20±2dBm	MCS0	22±2dBm
	802.11ax HE40	MCS11	20±2dBm	MCS0	22±2dBm
	802.11ax HE80	MCS11	20±2dBm	MCS0	22±2dBm
	802.11ax HE160	MCS11	20±2dBm	MCS0	22±2dBm
2.4G Receiving Sensitivity	802.11b	11M	-87dBm	1M	-94dBm
	802.11g	54M	-75dBm	6M	-88dBm
	802.11n HT20	MCS7	-72dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-70dBm	MCS0	-88dBm
	802.11ax HE20	MCS11	-63dBm	MCS0	-88dBm
	802.11ax HE40	MCS11	-61dBm	MCS0	-88dBm
5G Receiving Sensitivity	802.11a	54M	-75dBm	6M	-90dBm
	802.11n HT20	MCS7	-73dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-63dBm	MCS0	-88dBm
	802.11ac VHT20	MCS8	-67dBm	MCS0	-88dBm
	802.11ac VHT40	MCS9	-64dBm	MCS0	-88dBm
	802.11ac VHT80	MCS9	-60dBm	MCS0	-88dBm
	802.11ax HE20	MCS11	-61dBm	MCS0	-88dBm



	802.11ax HE40	MCS11	-58dBm	MCS0	-88dBm
	802.11ax HE80	MCS11	-55dBm	MCS0	-84dBm
	802.11ax HE160	MCS11	-51dBm	MCS0	-82dBm
2.4G EVM	802.11b: ≤ -10 dB ; 802.11g: ≤ -25 dB ; 802.11n: ≤ -28 dB; 802.11ax: ≤ -35 dB				
5G EVM	802.11a: ≤ -25 dB ; 802.11n: ≤ -28 dB ; 802.11ac: ≤ -32 dB; 802.11ax: ≤ -35 dB				
ppm	±20ppm				
WAN	1*10/100/1000/2500M support 48V POE				
LAN	1*10/100/1000M LAN Port				
Reset	Reset to factory settings by pressing 6-10 seconds				
Indicators	PWR, SYS, WAN, 2.4G, 5.8G				
Power	PoE 802.3at				
Max Power Consumption	<19W				
Dimension	304mm × 181mm × 88mm				
Weight	1.2kg				
Temperature	Working: -30°C to 55°C; Storage: -40°C to 70°C; Humidity: 5% ~ 95%(Non-Condensing)				
IP Grade	IP67				
ESD	Air: ±8K, Touch: ±6K				
Electrical Surge	Common Mode: 4K, Differential Mode: 2K				

Firmware

Home Page	Working mode: FIT/ FAT mode
	Wireless AP download rate, wireless AP upload rate, runtime
	Device information, device description, intranet information, WIFI information
Working Mode	Gateway mode: The device connects to the wide area network through a WAN port and then uses static IP, DHCP, or PPPOE to connect to the internet
	AP mode: The device covers other clients and devices with wireless network signals, and connects to other routers through Ethernet to access the wide area network
Wireless feature	SSID broadcasting
	SSID quantity: 4 (2.4GHz) + 4 (5GHz)
	Hide SSID
	Wireless encryption: OPEN、WPA/WPA2PSK-TKIPAES、WPA3PSK-TKIPAES
	MAC filter

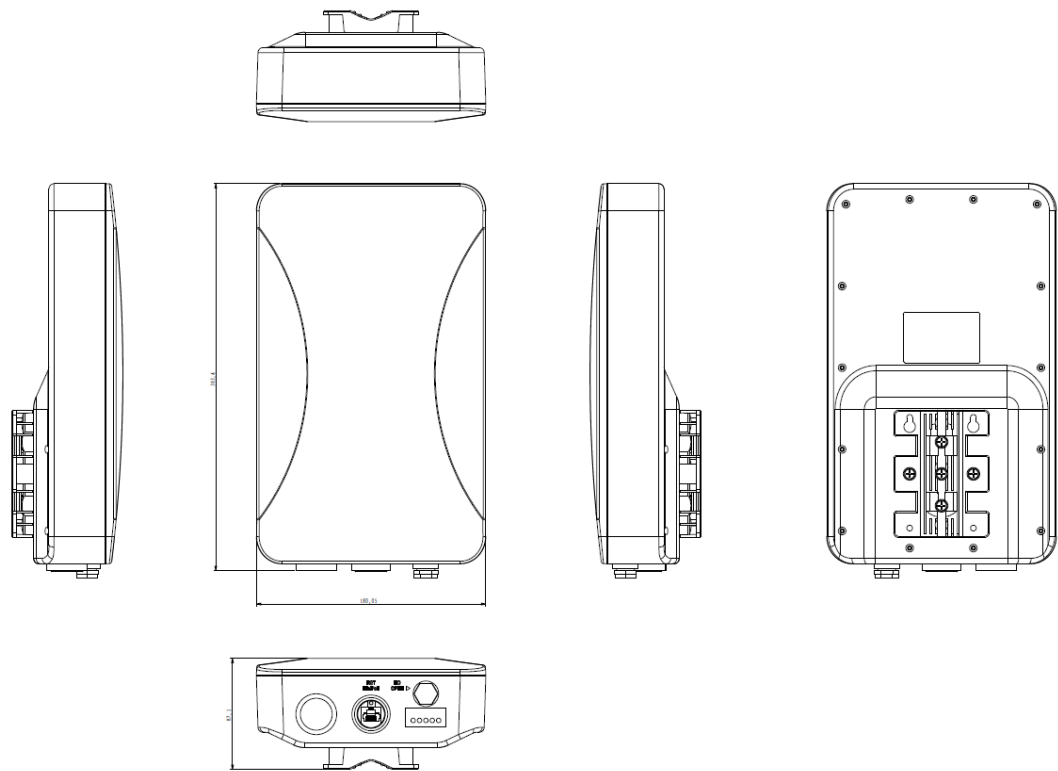


	Band steering (5G WiFi priority)
	WiFi timed shutdown
	User isolation: wireless network isolation, AP internal isolation
	TX power adjustable
	Wireless client quantity limit
	QoS: WMM
Network feature	Connection method: static address, obtained from management server, obtained from gateway
	DHCP server: It can be either a built-in DHCP server or an external DHCP server
	Firewall
	PPPOE
Device management	Backup
	Recovery
	Reset to factory
	Timed reboot/ Instant reboot
	Firmware upgrade
	System log
	FIT/ FAT AP switch

Interface



Dimension



Accessory

AP	1
Mounting Accessories	2
Gift Box	1