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Dual band AX3000 WIFI 6 wireless access point W668OHAP

Product　Brochure

Product Introduction :

W668OHAP 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 2402 Mbps.

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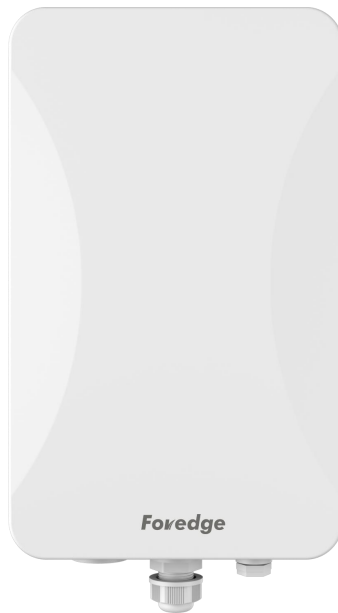
Product Features :

- **It has better transmission quality, higher transmission rate, and concurrent rate up to 3000Mbps .**

- **The use of IPQ 5018 chip greatly expands the user capacity and can support 128 users .**

- **The heat sink adopts a 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 longer coverage.**

- **The addition of lightning protection board components greatly enhances the protection capability of the equipment.**

Specifications :

Hardware specifications					
Product number	W668OHAP				
CPU	IPQ5018+QCN61 0 2 + QCA8081				
Flash	SPI NOR 8MB SPI NAND 128MB				
DDR3	External 512MB*1				
2.4G operating frequency band	2.4GHz ~ 2.484GHz				
2.4G WIFI transmission protocol	802.11 b/g/n/ ac /ax				
5G operating frequency band	5.150GHz ~ 5.850 GHz				
5G WIFI transmission protocol	802.11 a/n/ac/ax				
Built-in antenna 2.4G	2 2.4G antennas, each gain: 5 dBi				
Built-in antenna 5G	2 5.8G antennas, each gain: 7 dBi				
Maximum rate	2.4G provides a maximum access rate of 574Mbps, and 5G provides a maximum access rate of 2402Mbps				
2.4G wireless power	802.11b	11M	2 6 ±2dBm	1M	2 6 ±2dBm
	802.11g	54M	2 3 ±2dBm	6M	2 5 ±2dBm
	802.11n HT20	MCS7	2 2 ±2dBm	MCS0	2 4 ±2dBm
	802.11n HT40	MCS7	2 2 ±2dBm	MCS0	2 4 ±2dBm
	802.11ax HE20	MCS11	20 ±2 dBm	MCS0	2 4 ±2 dBm
	802.11ax HE40	MCS11	20 ±2 dBm	MCS0	2 4 ±2 dBm

Specifications :

5G Wireless 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	2 2 ±2 dBm
	802.11ax HE80	MCS11	20 ±2 dBm	MCS0	2 2 ±2 dBm
	802.11ax HE160	MCS11	20 ±2 dBm	MCS0	2 2 ±2 dBm
2.4G receiving sensitivity	802.11b	11M	- 87 dBm	1M	-9 4 dBm
	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	- 61 dBm	MCS0	- 88 dBm
5G reception sensitivity	802.11a	54M	-7 5 dBm	6M	-9 0 dBm
	802.11n HT20	MCS7	-7 3 dBm	MCS0	- 88 dBm
	802.11n HT40	MCS7	-6 3 dBm	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

Specifications :

2.4G EVM	802.11b:≤-10dB ； 802.11g: ≤-25dB ； 802.11n:≤-28dB； 802.11ax:≤-35dB
5G EVM	802.11a:≤-25dB ； 802.11n: ≤-28dB ； 802.11ac:≤-32dB； 802.11ax:≤-35dB
Frequency deviation (ppm)	±20ppm
Interface (RJ 45)	1 10/100/1000/2500 Mbps adaptive WAN port, supporting POE 48V power supply;
Interface (RJ 45)	1 10/100/1000Mbps adaptive LAN port ;
External buttons	Reset button (press and hold for 6-10 seconds to restore to factory default settings)
Status Indicator	PWR light, SYS light, WAN port light , 2.4G light , 5.8G light
powered by	PoE 802.3at
Maximum power consumption	< 1 6 W
Product Size	304 mm × 181 mm × 88 mm
weight	1.6kg
working environment	Normal operating temperature: -20 °C to 55°C; Storage temperature: -40°C to 70°C; Humidity: 5% to 95% (no condensation)
Protection level	IP67
ESD	Air discharge +/ -8 kV, contact discharge +/ -6 kV
surge	Common mode 4 kV, differential mode 2 kV

Software Features :

front page	Working mode: Fat AP mode and Thin AP mode
	Wireless AP download rate, wireless AP upload rate, running time
	Device information, device description, intranet information, WIFI information
Support Mode	Gateway mode: The device is connected to the WAN through the WAN port and then uses static IP, DHCP or PPPOE to access the Internet
	AP mode: The device covers other clients and devices with wireless network signals and uses Ethernet to connect to other routers to access the WAN.
wireless function	SSID Broadcast
	Number of SSIDs: 4 (2.4GHz) + 4 (5GHz), support Chinese SSID
	Hide SSID function
	Wireless encryption: OPEN , WPA/WPA2PSK-TKIPAES, WPA3PSK-TKIPAES
	Wireless MAC address filtering: support whitelist
	Spectrum navigation (5G first)
	WiFi timer off function
	User isolation: isolation between wireless networks and isolation within APs
	Transmit power setting
	Wireless client number limit
	QoS: WMM

Software Features :

Internet function	Connection method: static address, obtained from the management server, obtained from the gateway
	DHCP server: It can be a built-in DHCP server or an external DHCP server
	Cloud Platform Server
	Firewall function
	PPPOE function: Support PPPOE dial-up function
Device Management	Backing up configuration information
	Restore configuration information
	reset
	Restart includes scheduled restart and immediate restart
	Firmware Upgrade
	Time management includes system display time and time synchronization
	System log
	Fat and thin AP switching function

Networking Solution :