

11ax 3000Mbps Ceiling Indoor Wireless AP
Model: AX810-I (Indoor)



Short Specification

The AX810i is a high-performance, high-speed 11ax indoor dual-band ceiling Access Point (AP) that provides wireless services across both 2.4 GHz and 5.8 GHz frequencies. The 2.4 GHz band offers a maximum access rate of 600 Mbps, while the 5G band provides a maximum access rate of 2400 Mbps

Main Features:

- It boasts better transmission quality and a higher transmission rate, with a concurrent rate of up to 3000 Mbps.
- Equipped with an IPQ5018 chip, it supports 160 MHz and significantly expands user capacity, accommodating up to 128 users.
- The heat sink features a snap-on structure design and a special surface coating treatment, optimizing heat dissipation for ideal performance.
- The radio frequency utilizes a high-power external FEM, ensuring stable performance, a wide wireless range, and a longer transmission distance.

Hardware Specification

Model	AX810i				
CPU	IPQ5018 +QCN6102				
Flash	SPI NOR 8MB SPI NAND 128MB				
DDR3 RAM	External 512MB*1				
2.4G Frequency	2.4GHz – 2.484GHz				
2.4G Protocol	802.11 b / g / n/ac /ax				
5G Frequency	5.150GHz ~ 5.825GHz				
5G Protocol	802.11 a / n / ac /ax				
2.4G Antenna	2*4dBi				
5G Antenna	2*4dBi				
Data Rate	2.4G: 600 Mbps; 5G: 2400 Mbps				
2.4G TX Power	802.11b	11 M	24 ± 2d Bm	1M	24 ± 2d Bm
	802.11g	54 M	21 ± 2d Bm	6M	23 ± 2d Bm
	802.11n HT20	MCS 7	20 ± 2d Bm	MCS 0	22 ± 2d Bm
	802.11n HT40	MCS 7	20 ± 2d Bm	MCS 0	22 ± 2d Bm
	802.11ax HE20	MCS 11	18 ± 2dBm	MCS 0	22 ± 2d Bm
	802.11ax HE40	MCS 11	18 ± 2dBm	MCS 0	22 ± 2d Bm
5G TX Power	802.11a	54 M	19 ± 2dBm	6M	22 ± 2d Bm
	802.11n HT20	MCS 7	18 ± 2dBm	MCS 0	21 ± 2d Bm

	802.11n HT40	MCS 7	18±2dBm	MCS 0	21±2dBm
	802.11ac VHT 20	MCS 9	17±2dBm	MCS 0	21±2dBm
	802.11ac VHT 40	MCS 9	17±2dBm	MCS 0	21±2dBm
	802.11ac VHT 80	MCS 9	17±2dBm	MCS 0	21±2dBm
	802.11ax HE20	MCS 11	17±2dBm	MCS 0	21±2dBm
	802.11ax HE40	MCS 11	17±2dBm	MCS 0	21±2dBm
	802.11ax HE80	MCS 11	17±2dBm	MCS 0	21±2dBm
	802.11ax HE160	MCS 11	17±2dBm	MCS 0	21±2dBm
2.4G Receiving Sensitivity	802.11b	11 M	-85 dBm	1M	-90 dBm
	802.11g	54 M	-72 dBm	6M	-90 dBm
	802.11n HT20	MCS 7	-70 dBm	MCS 0	-87 dBm
	802.11n HT40	MCS 7	-68 dBm	MCS 0	-85 dBm
	802.11ax HE20	MCS 11	-60 dBm	MCS 0	-83 dBm
	802.11ax HE40	MCS 11	-56 dBm	MCS 0	-83 dBm
5G Receiving Sensitivity	802.11a	54 M	-72 dBm	6M	-92 dBm
	802.11n HT20	MCS 7	-70 dBm	MCS 0	-90 dBm
	802.11n HT40	MCS 7	-68 dBm	MCS 0	-88 dBm
	802.11ac VHT 20	MCS 8	-70 dBm	MCS 0	-88 dBm
	802.11ac VHT 40	MCS 9	-68 dBm	MCS 0	-88 dBm
	802.11ac VHT 80	MCS 9	-58 dBm	MCS 0	-85 dBm
	802.11ax HE20	MCS 11	-62 dBm	MCS 0	-88 dBm
	802.11ax HE40	MCS 11	-58 dBm	MCS 0	-86 dBm
	802.11ax HE80	MCS 11	-55 dBm	MCS 0	-84 dBm
	802.11ax HE160	MCS 11	-51 dBm	MCS 0	-82 dBm
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 RJ45, support 48V PoE				
Reset	Reset to factory settings by pressing 6-10 seconds				
Indicators	WAN, LAN, tricolor LED(sys-red, 2.4G-green, 5.8G-blue)				
Power	DC2.0 12V ⚡ 1.5A, PoE 802.3at				

Max Power Consumption	< 16W
Dimension	186mm × 186mm × 37mm
Weight	0.55kg
Temperature	Working: -10°C to 55°C; Storage: -40°C to 70°C; Humidity: 5% ~ 95% (Non-Condensing)
ESD	Air:±8K, Touch:±6K
Electrical Surge	Common Mode: 2K, Differential Mode: 1K

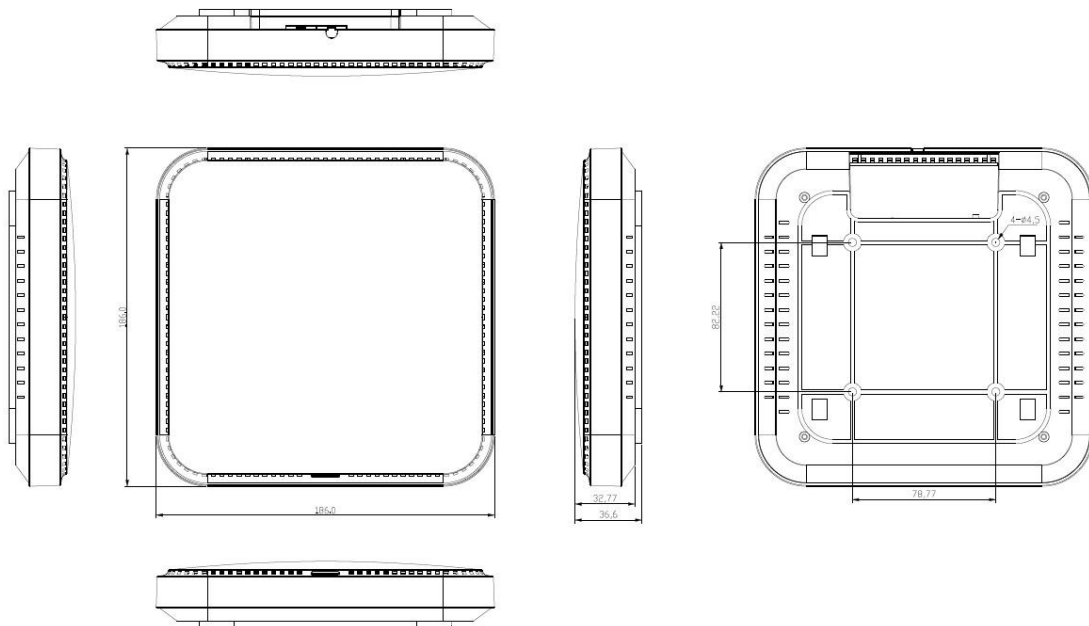
Software Specification

Working Mode	Gateway, AP
Wireless Functions	Multiple SSID functions: 2.4GHz: 4; 5.8GHz: 4.
	Support SSID hidden
	Support seamless roaming
	Support 5G Prior for a faster Ethernet.
	Wireless Security: Open, WPA, WPA2PSK_TKIPAES, WAP2_EAP, WPA3
	Support MAC filter
	Support Wi-Fi time on/off to save energy
	Support client isolation to improve the wireless stability
	Support RF power adjustable, adjust the RF power based on environment.
	Support user quantity limited, Max 64 users to access each band.
Networking Function	VLAN settings
	Cloud access support in gateway mode
Device Management	Back-up the configuration
	Restore the configuration
	Reset to factory default
	Reboot the device: including time reboot or reboot immediately
	Admin management password modify
	Life time Firmware upgrade
	System log
	Support firmware GUI web management, AC controller management, remote management and cloud management
Protocols	IPv4

Interface



Dimension: 186mm × 186mm × 37mm



Box Packing List

Access Point	1
Lan cable	1
Mounting Accessories	1