

11ax 3000Mbps Ceiling Wireless AP

Model: GNT-AP830H



Short Specification

GNT-AP830H is a high-performance, high-speed 11ax indoor dual-band ceiling AP that provides 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:

It has better transmission quality and higher transmission rate, and the concurrent rate of the whole machine can reach up to 3000Mbps.

Adopt IPQ5018 chip, support 160Mhz, greatly expand the user capacity, can support 120+ users.

The heat sink adopts a snap-on structure design and a special surface coating treatment, which makes the heat dissipation effect more ideal.

The radio frequency uses a high-power external FEM, which has stable performance, wide wireless range and longer transmission distance.

Hardware Specification

Model	GNT-AP830H				
CPU	IPQ5018 +QCN6102+QCA8081				
Flash	SPI NOR 8MB SPI NAND 128MB				
DDR3	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*3dBi				
5G Antenna	2*4dBi				
Data Rate	2.4G: 574Mbps; 5G: 2402Mbps				
2.4G TX Power	802.11b	11M	25±2dBm	1M	25±2dBm
	802.11g	54M	22±2dBm	6M	24±2dBm
	802.11n HT20	MCS7	21±2dBm	MCS0	24±2dBm
	802.11n HT40	MCS7	21±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	24±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	19±2dBm	MCS0	22±2dBm
	802.11ax HE40	MCS11	19±2dBm	MCS0	22±2dBm
	802.11ax HE80	MCS11	18±2dBm	MCS0	22±2dBm

※Specifications subject to change without notice

	802.11ax HE160	MCS11	18±2dBm	MCS0	22±2dBm
2.4G Receiving Sensitivity	802.11b	11M	-87dBm	1M	-92dBm
	802.11g	54M	-72dBm	6M	-88dBm
	802.11n HT20	MCS7	-70dBm	MCS0	-88dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-88dBm
	802.11ax HE20	MCS11	-60dBm	MCS0	-88dBm
	802.11ax HE40	MCS11	-58dBm	MCS0	-88dBm
5G Receiving Sensitivity	802.11a	54M	-72dBm	6M	-90dBm
	802.11n HT20	MCS7	-70dBm	MCS0	-90dBm
	802.11n HT40	MCS7	-68dBm	MCS0	-88dBm
	802.11ac VHT20	MCS9	-67dBm	MCS0	-88dBm
	802.11ac VHT40	MCS9	-62dBm	MCS0	-86dBm
	802.11ac VHT80	MCS9	-60dBm	MCS0	-84dBm
	802.11ax HE20	MCS11	-60dBm	MCS0	-90dBm
	802.11ax HE40	MCS11	-58dBm	MCS0	-88dBm
	802.11ax HE80	MCS11	-56dBm	MCS0	-84dBm
	802.11ax HE160	MCS11	-52dBm	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*10/100/1000/2500 RJ45, support 48V PoE				
LAN	1*10/100/1000 RJ45				
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 ⎓ 2A, PoE 802.3at				
Max Power Consumption	<20W				

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

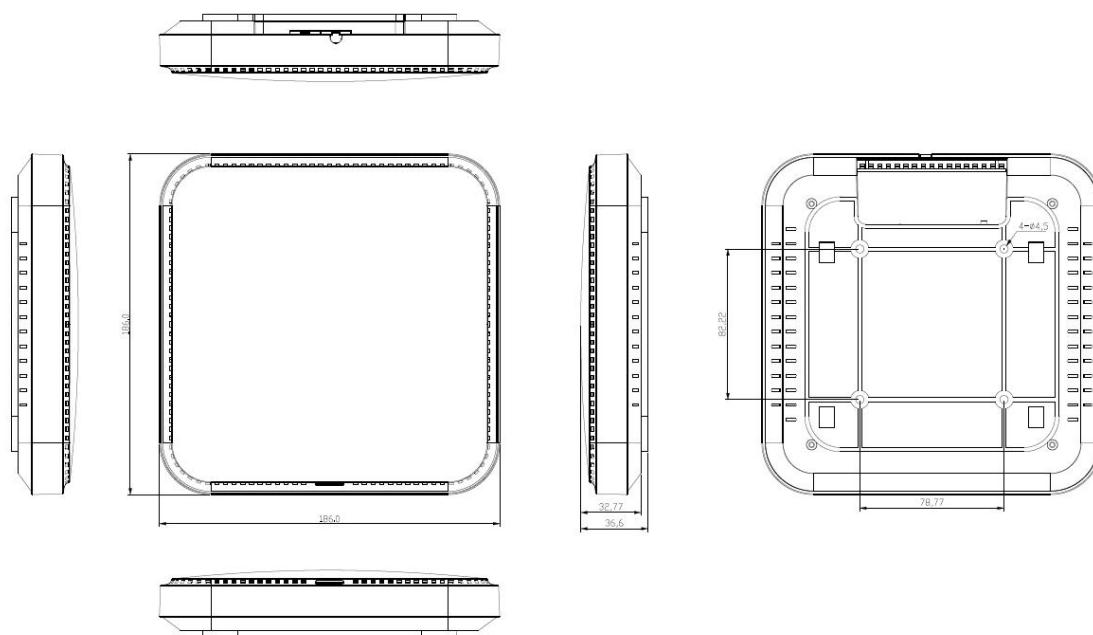
Firmware Specification

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
	Firmware upgrade
	System log
	Support firmware GUI web management, AC controller management, remote management and cloud management
Protocols	IPv4

Interface



Dimension



Packing List

AP	1
Lan cable	1
Mounting Accessories	1
Gift Box	1