GENATA

ITOONER
Idea Transmission Navigator

11ax 3000Mbps Ceiling Wireless AP

Model: GNT-AP835



Short Specifications

GNT-AP835 is a high-performance, high-speed 11ax indoor dual-band ceiling AP that can provide 2.4G and 5.8GHz dual-band wireless services. 2.4G provides up to 574Mbps access rate, and 5G provides up to 2402Mbps access rate.

Key Features

• With better transmission quality and higher transmission rate, the overall concurrent rate can reach up to 3000Mbps.
• Support hardware watchdog function, automatic recovery of abnormal equipment, and maintenance free.
• Elegant appearance design, port concealed housing, and beautiful wiring.
• Supports two power supply modes: 48V PoE and DC 12V.

※Specifications subject to change without notice

GENATA

ITOONER
Idea Transmission Navigator

Hardware Specification

Model	GNT-AP835				
CPU	MT7981B+MT7976CN+7531AE				
Flash	SPI NOR 16MB				
DDR3	256M				
2.4G Frequency	2.4GHz ~ 2.484GHz				
2.4G WIFI protocol	802.11 b / g / n / ax				
5G Frequency	5.150GHz ~ 5.850GHz				
5G WIFI protocol	802.11 a / n / ac / ax				
2.4G Antenna	2*2.4G， gain：4.6dBi				
5G Antenna	2*5G， gain：4dBi				
Wireless data rate	2.4G: 574Mbps，5G: 2402Mbps				
2.4G Power	802.11b	11M	22±2dBm	1M	22±2dBm
	802.11g	54M	19±2dBm	6M	21±2dBm
	802.11n HT20	MCS7	18±2dBm	MCS0	20±2dBm
	802.11n HT40	MCS7	18±2dBm	MCS0	20±2dBm
	802.11ax HT20	MCS11	16±2dBm	MCS0	20±2dBm
	802.11ax HT40	MCS11	16±2dBm	MCS0	20±2dBm
5G Power	802.11a	54M	19±2dBm	6M	21±2dBm
	802.11n HT20	MCS7	18±2dBm	MCS0	20±2dBm
	802.11n HT40	MCS7	18±2dBm	MCS0	20±2dBm
	802.11ac HT20	MCS7	17±2dBm	MCS0	20±2dBm
	802.11ac HT40	MCS7	17±2dBm	MCS0	20±2dBm
	802.11ac HT80	MCS9	17±2dBm	MCS0	19±2dBm
	802.11ax HT20	MCS11	16±2dBm	MCS0	20±2dBm
	802.11ax HT40	MCS11	16±2dBm	MCS0	20±2dBm
	802.11ax HT80	MCS11	16±2dBm	MCS0	19±2dBm
	802.11ax HT160	MCS11	14±2dBm	MCS0	18±2dBm
2.4G Receive Sensitivity	802.11b	11M	-87dBm	1M	-96dBm
	802.11g	54M	-75dBm	6M	-93dBm
	802.11n HT20	MCS7	-73dBm	MCS0	-92dBm
	802.11n HT40	MCS7	-70dBm	MCS0	-89dBm
	802.11ax HT20	MCS11	-64dBm	MCS0	-92dBm

※Specifications subject to change without notice

	802.11ax HT40	MCS11	-61dBm	MCS0	-89dBm
5G Receive Sensitivity	802.11a	54M	-74dBm	6M	-92dBm
	802.11n HT20	MCS7	-73dBm	MCS0	-90dBm
	802.11n HT40	MCS7	-70dBm	MCS0	-87dBm
	802.11ac HT20	MCS7	-67dBm	MCS0	-91dBm
	802.11ac HT40	MCS7	-63dBm	MCS0	-88dBm
	802.11ac HT80	MCS9	-60dBm	MCS0	-84dBm
	802.11ax HT20	MCS11	-62dBm	MCS0	-91dBm
	802.11ax HT40	MCS11	-59dBm	MCS0	-89dBm
	802.11ax HT80	MCS11	-56dBm	MCS0	-86dBm
	802.11ax HT160	MCS11	-53dBm	MCS0	-83dBm
2.4G EVM	802.11b:≤-10 dB; 802.11g:≤-25 dB; 802.11n:≤-28dB ; 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 个 10/100/1000M WAN, support 48V POE				
LAN	1 个 10/100/1000M LAN				
Reset	Reset*1				
Indicator	Triple color(sys-red，2.4G-green，5.8G-blue)				
Power	PoE 802.3af，DC2.0 12V/1.5A，				
Max Power Consumption	< 15W				
Size	186mm × 186mm ×37mm				
Weight	0.55kg				
Temperature	Working: -20°C to 45°C； Storage: -40°C to 70°C； Humidity: 5% ~ 95%(Non-Condensing)				
ESD	Air: +/-8K，Touch: +/-4K				
Electrical Surge	Common Mode: 2K, Differential Mode: 1K				

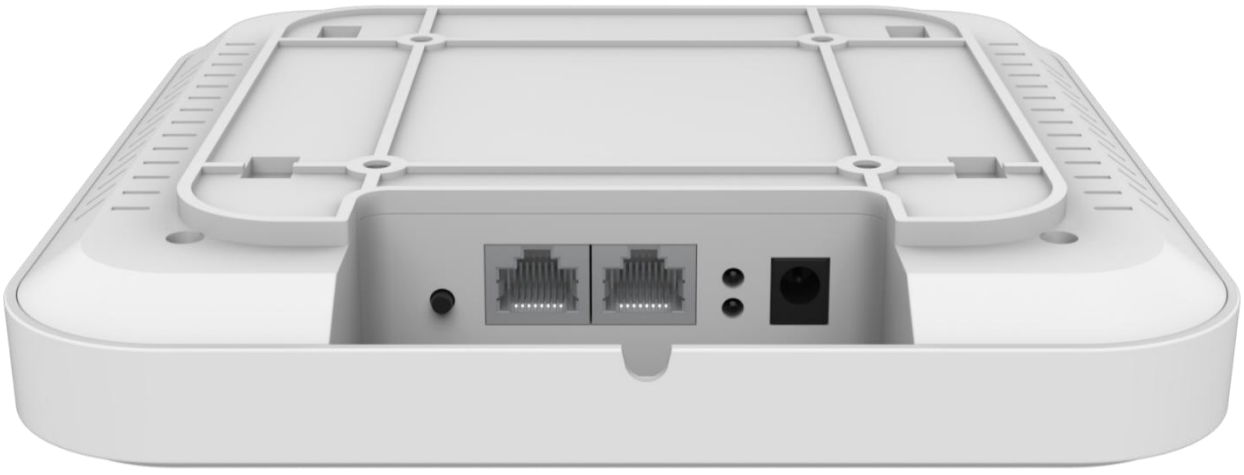
Firmware Specification

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.

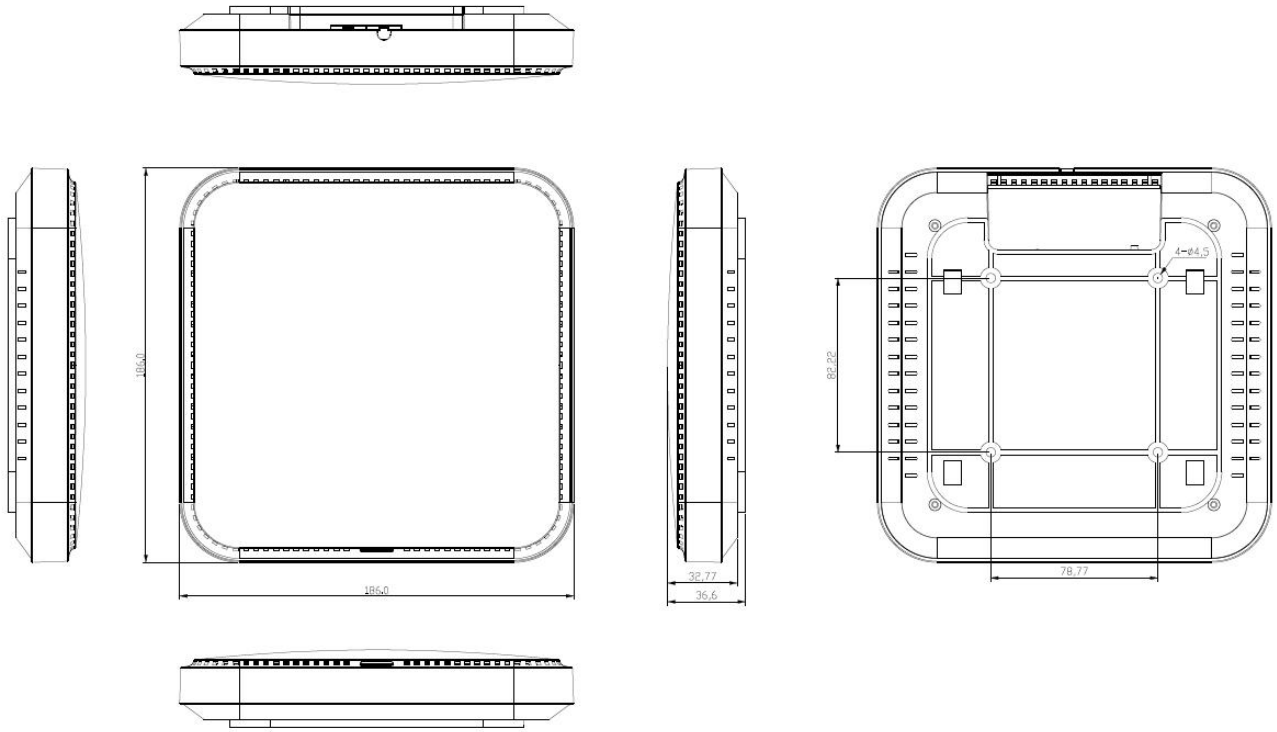
※Specifications subject to change without notice

	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



Size



※Specifications subject to change without notice