

# 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.

## 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  |

|                        |                                                                                |       |        |      |        |
|------------------------|--------------------------------------------------------------------------------|-------|--------|------|--------|
|                        | 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 ↑ 10/100/1000M WAN, support 48V POE                                          |       |        |      |        |
| LAN                    | 1 ↑ 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℃ to 45℃; Storage: -40℃ to 70℃; 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.        |

|                     |                                                                                                       |
|---------------------|-------------------------------------------------------------------------------------------------------|
|                     | 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

