

# AX3000 Wireless Dual band Ceiling AP

CA3000X-PoE is a sleek white wireless dual band ceiling AP. It complies the latest IEEE 802.11ax Wi-Fi standard. The AP works on 2.4GHz and 5GHz simultaneously and delivers speeds up to 3000Mbps.

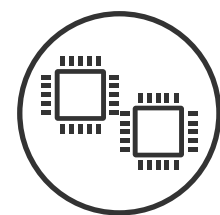
CA3000X-PoE



Dual Band



Multi-SSID



1.3GHz  
Dual-Core CPU



Wi-Fi 6



TWT



Ceiling Design



# Overview

CA3000X-PoE is a sleek white wireless dual band ceiling AP.

It complies the latest IEEE 802.11ax Wi-Fi standard.

The AP works on 2.4GHz and 5GHz simultaneously and delivers speeds up to 3000Mbps.

Medium-power feature allows it to produce strong signals to penetrate walls and extend Wi-Fi over large areas.

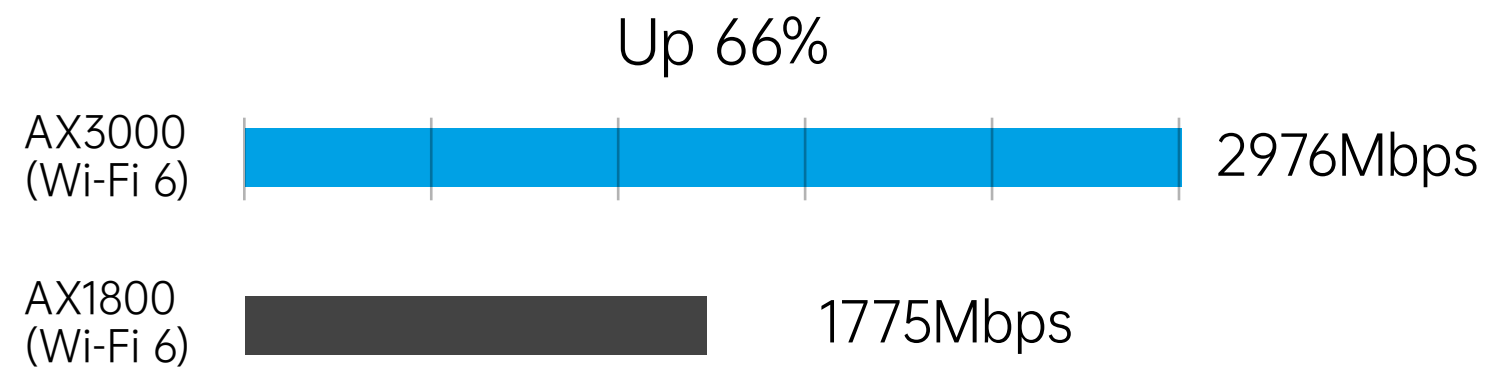
The dual band design reduces interferences, ideal for various scenarios especially smart homes.

# Features

- Compliant with the latest Wi-Fi 6 (IEEE 802.11ax) standard, and backward compatible with IEEE802.11a/b/g/n/ac Wi-Fi standard.
- Up to 2402Mbps in the 5GHz frequency band, up to 574bps in the 2.4GHz frequency band, and dual-band concurrent up to 3000Mbps.
- 1.3GHz Dual-Core CPU perform outstanding ability in data-processing without any delay.
- Ceiling design, easy to install, so that the device can be quickly installed on the wall or ceiling.

- Support Gigabit wired network port, provide fast and stable wired connection.
- 4 built-in high specification omnidirectional antennas to better expand Wi-Fi coverage and better network experience.
- OFDMA (Orthogonal Frequency Division Multiple Access) improves network capacity and efficiency, and connects more devices without reducing Wi-Fi speed.
- TWT (Target Wake Time) reduces the power consumption of your device, thereby extending battery life.
- MU-MIMO technology enables data to be transmitted to multiple devices at the same time.
- Standard 802.3 at/af standard POE power supply, wiring is more convenient.
- Support WPS (Wi-Fi Protected Setup) one-key connection.
- Multi-SSID broadcast technology, can use one AP to generate multiple wireless signals at the same time, which is convenient for different users to use and manage.

# Highlights



5GHz  
2402Mbps



2.4GHz  
574bps



## High-Speed Dual Band Wi-Fi 6

CA3000X-PoE equips with the latest wireless technology, Wi-Fi 6, for faster speeds, greater capacity, and reduced network congestion. Wi-Fi 6 (IEEE802.11ax) delivers a huge boost in speed and total capacity and takes your Wi-Fi to the next level while being backwards compatible with IEEE802.11a/b/g/n/ac Wi-Fi standards, optimized for Internet activities requiring high bandwidth, such as HD videos and online gaming.

## 3000Mbps Ultra-Fast Wi-Fi Speed

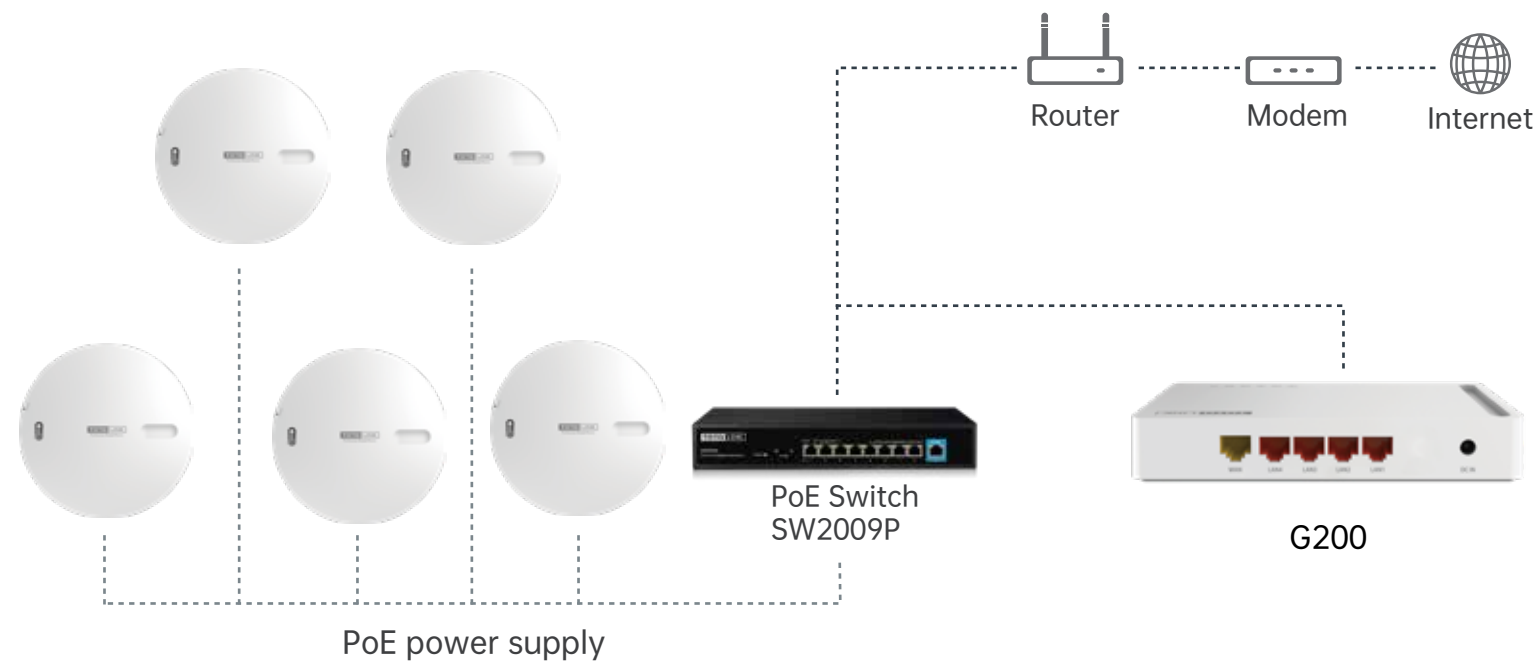
CA3000X-PoE complies with the latest Wi-Fi 6 (IEEE802.11ax) standard, delivers Wi-Fi speeds of up to 2402Mbps on the 5GHz band and 574bps on the 2.4GHz band. It is able to work on 2.4GHz and 5GHz band simultaneously and delivers speeds up to 3000Mbps. Every application feels more fluid with drastically improved Wi-Fi speeds. Both 2.4 GHz band and 5 GHz band get upgraded to the latest generation—perfect for 4K streaming, online gaming, and fast downloading.

## Easy to install design

The elegant appearance and easy-to-install design of the ceiling-mounted AP allows the device to be quickly installed on the wall or ceiling, and it blends with most interior decoration styles.



# Highlights



## Standard 802.3 at/af standard POE power supply

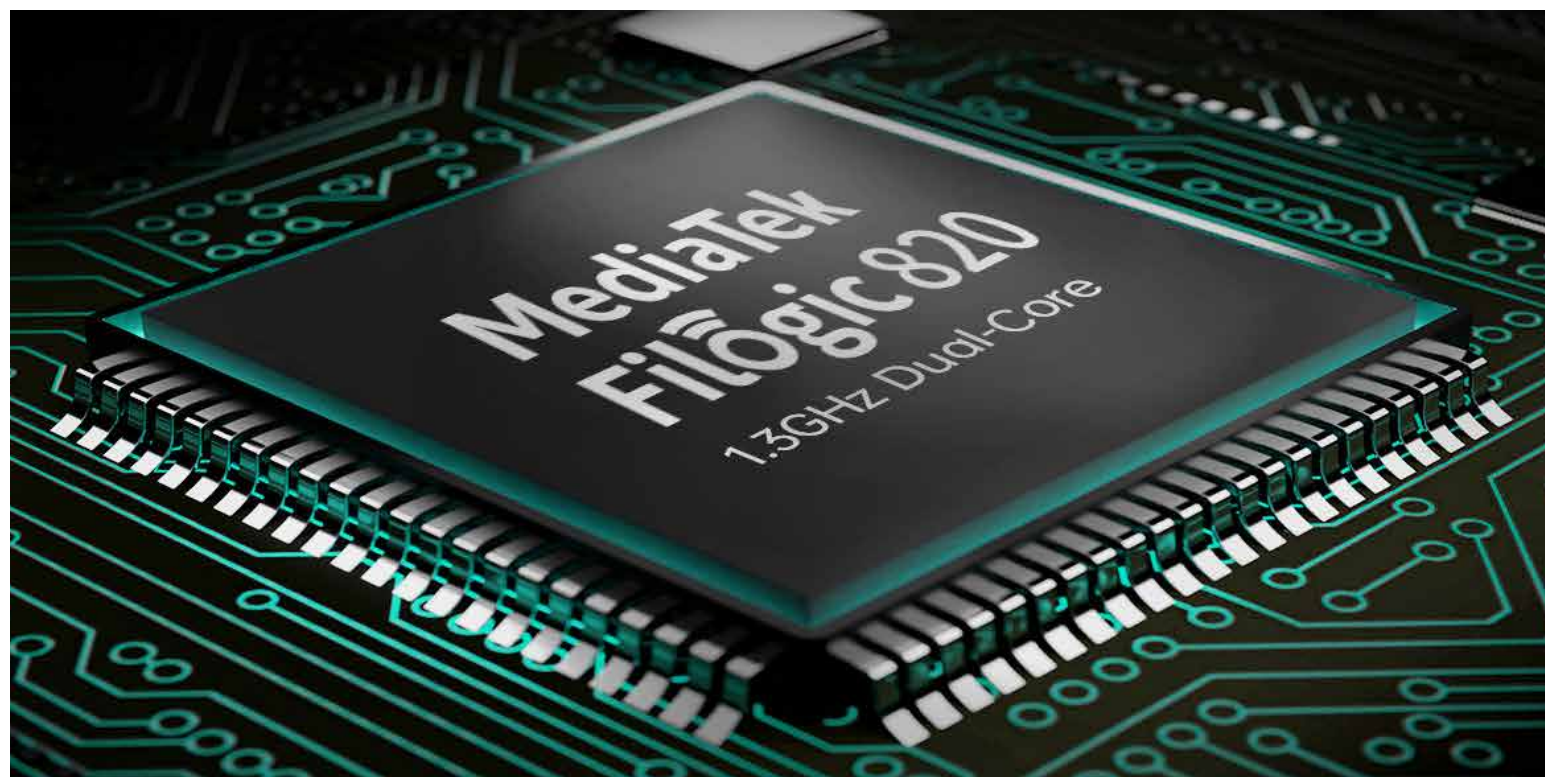
It supports standard 802.3af standard POE power supply, and can use more versatile POE switch power supply or PoE power adapter, eliminating the trouble of covering wiring and power supply, and minimizing the cost of the integrated solution.

## OFDMA More Device, Less Congestion

CA3000X-PoE can easily handle dozens of devices streaming and gaming at the same time—OFDMA, greatly increases capacity by 4 times to enable simultaneous transmission to more devices. OFDMA separates a single spectrum into multiple units and enables different devices to share one transmission stream, increasing efficiency and reducing latency.

## 1.3GHz Dual-Core CPU for Powerful Processing

Equipped with MediaTek's new generation Filogic 820 chip, Advanced 12nm process, Dual-Core 1.3GHz CPU, CA3000X-PoE handles demands of 256 users accessing your network simultaneously, ensuring everyone in your home is possible to surf the internet constantly at the same time.



# Specifications

Hardware	
Interface	- 1 *1000Mbps LAN/PoE port (Auto MDI/MDIX) - 1 * DC JACK
Power Supply	- IEEE 802.3af/at compliant PoE - DC 48V/0.5A
Button	- 1 * RST button - 1 * WPS button
LED	- 1 *Status LED
Antenna	- 4 *built-in high specification omnidirectional antennas
DimDimensions (W x D x H)	- 25cm*25cm*6cm
Wireless	
Standards	- IEEE 802.11ax - IEEE 802.11ac - IEEE 802.11n - IEEE 802.11g, - IEEE 802.11b - IEEE 802.11a
RF Frequency	- 2.4GHz/5GHz
Data Rate	- 2.4GHz: Up to 574bps (2*2 40MHz) - 5GHz: Up to 2402Mbps (2*2 160MHz)
EIRP	- 2.4GHz < 20dBm - 5GHz < 20dBm

Wireless	
Reception Sensitivity	- 2.4GHz: 11b 11M: -81dBm @ 8%PER 11g 54M: -68dBm @ 10%PER 11n HT20 MCS7: -65dBm @ 10%PER 11n HT40 MCS7: -62dBm @ 10%PER - 5GHz: 11a 54M: -68dBm @ 10%PER 11n HT20 MCS7: -65dBm @ 10%PER 11n HT40 MCS7: -62dBm @ 10%PER 11ac VHT80 MCS9: -51dBm @ 10%PER
Software	
Status	- System Status
Network	- LAN Setting
Operation Mode	- Bridge Mode
Management	- Administrator Setting - Time Setting - Upgrade Firmware - System Configuration - System Log - Reboot Schedule - Logout

# Specifications

Software	
Wireless	- Basic Settings - Multi-SSID
Others	
Package Contents	- AX3000 Wireless Dual band Ceiling AP * 1 - Quick Installation Guide * 1
Environment	- Operating Temperature: 0°C~40 °C (32 °F~104°F) - Storage Temperature: -40°C~70 °C (-40 °F~158°F) - Operating Humidity: 10%~90% non-condensing - Storage Humidity: 5%~90% non-condensing



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