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The Smartest Network Device

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AX1800
Wireless Dual Band
Ceiling AP

Model No. **CA1800X-PoE**



574Mbps+1201Mbps
11ax 1775Mbps



Long Range



Ceiling Design



Wi-Fi 6

➤ Overview

AX1800 Wireless Dual Band Ceiling AP

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CA1800X-PoE is a sleek white wireless dual band ceiling AP. It complies with the latest IEEE 802.11ax Wi-Fi standard. The AP works on 2.4GHz and 5GHz simultaneously and delivers speeds up to 1774.5Mbps. 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

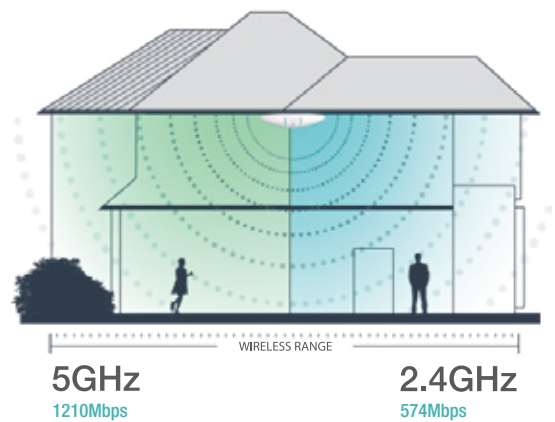
- Compliant with the latest Wi-Fi 6 (IEEE 802.11ax) standard, and backward compatible with IEEE802.11 a/b/g/n/ac Wi-Fi standard.
- Up to 1201Mbps in the 5GHz frequency band, up to 573.5Mbps in the 2.4GHz frequency band, and dual-band concurrent up to 1774.5Mbps.
- Ceiling design, easy to install, so 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.
- Enterprise-level hardware design, lightning protection and anti-static. And support hardware watchdog circuit
- Standard 802.3 at/af standard POE power supply, wiring is more convenient.
- Support WPS (Wi-Fi Protected Setup) one-key connection.
- Support stand-alone management and AC unified configuration management. You can choose any method to complete the network configuration according to the project requirements.
- 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.



Selling point

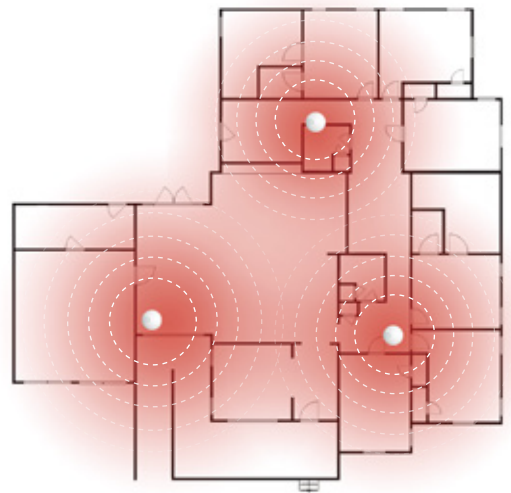
➤ 1774.5Mbps Ultra-Fast Wi-Fi Speed

CA1800X-PoE complies with the latest Wi-Fi 6 (IEEE802.11ax) standard, delivers Wi-Fi speeds of up to 1201Mbps on the 5GHz band and 574Mbps on the 2.4GHz band. It is able to work on 2.4GHz and 5GHz band simultaneously and delivers speeds up to 1775Mbps. 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.



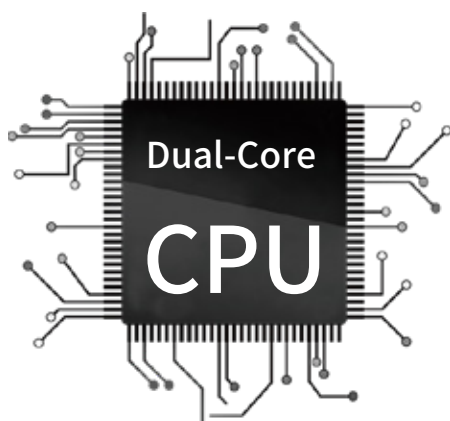
➤ 4 high specification built-in antennas, larger Wi-Fi coverage

4 built-in high-performance omnidirectional antennas, combined with MIMO and beamforming technology, concentrate the signal on each independent device, making the network coverage wider and network usage more efficient. Improve the Wi-Fi signal distribution in the home.



➤ 880MHz Dual-Core CPU for Powerful Processing

Equipped with 880MHz dual-Core powerful processor, CA1800X-PoE handles demands of multiple users accessing your network simultaneously, ensuring everyone in your home is possible to surf the internet constantly at the same time.



➤ Multi-SSID broadcast simultaneously

Support 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.



Specification

Hardware

Interface	- 1 *1000Mbps LAN/PoE port (Auto MDI/MDIX) - 1 * DC JACK
Power Supply	- IEEE 802.3af/at compliant PoE - DC 48V/0.375A
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 1201Mbps (2*2 80MHz)
EIRP	- 2.4GHz < 20dBm - 5GHz < 20dBm
Wireless Security	- 2.4GHz: 11b 11M: -81dBm @ 8%PER 11g 54M: -68dBm @ 10%PER 11n HT20 MCS7: -65dBm @ 10%PER 11n HT40 MCS7: -62dBm @ 10%PER
Reception Sensitivity	- 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
Wireless	- Basic Settings - Multi-SSID
Management	- Administrator Setting - Time Setting - Upgrade Firmware - System Configuration - System Log - Reboot Schedule - Logout

Others

Package Contents	- AX1800 Wireless Dual Band Ceiling AP * 1 - Quick Installation Guide * 1
Environment	- Operating Temperature: 0℃~50℃ (32℉~122℉) - Storage Temperature: -40℃~70℃ (-40℉~158℉) - Operating Humidity: 10%~90% non-condensing - Storage Humidity: 10%~90% non-condensing