

# Wi-Fi6 CAX820

New 11ax Wi-Fi6 Gigabit  
Ceiling Wireless AP



## Overview

CAX820 is a high-performance, high-speed indoor 11ax dual-band ceiling-mounted AP that can provide 2.4G and 5.8GHz dual-band wireless services. The maximum supported bandwidth is 600Mbps for 2.4G and 1200Mbps for 5.8G.

## Features

- It has better transmission quality, higher transmission rate, and the maximum concurrent rate can reach 1800Mbps.
- Support hardware watchdog function, automatic recovery of abnormal equipment, maintenance-free.
- Elegant appearance design, hidden port shell, beautiful wiring.
- Supports two power supply modes: 48V PoE and DC 12V.

## Parameters

Specifications	
Model	CAX820
CPU	MT7621A+MT7905N+MT7975DN
Flash	SPI NOR 16MB
SDRAM	256MB
2.4G Frequency Range	2.4GHz – 2.484GHz
2.4G WIFI Standards	802.11 b / g / n /ac /ax
5G Frequency Range	5.150GHz~5.850GHz
5G WIFI Standards	802.11 a / n / ac /ax
Built-in antenna 2.4G	Antenna ×2PCS, gain: 4.6DBi
Built-in antenna 5.8G	Antenna ×2PCS, gain: 4DBi

Data Rate	5G: 1200Mbps 2.4G:600Mbps
Max Users	150+
2.4G transmit power	< 18dBm
5.8G transmit power	< 18dBm
WAN	1* 10/100/1000M adaptive WAN port, support 48V POE
LAN	1* 10/100/1000M adaptive LAN port
POE	48V $\overline{\text{DC}}$ 0.5A
DC	12V $\overline{\text{DC}}$ 1.5A
Button	Reset button (Long press for 6-10 seconds to restore the factory default configuration)
LED Indicator	WAN, LAN, Three-color light (Three different colors indicate: sys-red, 2.4G-green, 5.8G-blue)
Power Consumption	< 15W
ESD test	$\pm 6\text{KV}$
Dimensions( W x D x H )	168mm * 168 mm * 32 mm
Working Conditions	Normal working temperature: -20°C to 45°C; Maximum working temperature: -30°C to 70°C; Storage temperature: -40°C to 70°C; Humidity: 5%~95% (No condensation)