

Wi-Fi 6 Indoor Wireless Ceiling Mount Access Point

WI-AP218AX-Lite

Overview

WI-AP218AX-Lite is a high-performance Wi-Fi 6 AP for indoor large-area Wi-Fi coverage scenarios. The device supports 802.3af PoE and a 12V DC local power supply. The dual LAN ports design facilitates the expansion of network devices to meet the needs of more networking scenarios. Compliant with 802.11a/b/g/n/ac/ax Wi-Fi protocol, WI-AP218AX-Lite supports MU-MIMO dual-stream technology and offers built-in omnidirectional antennas. It can operate concurrently at 2.4GHz and 5GHz, providing high-speed wireless access of 574Mbps at 2.4GHz, 1201Mbps at 5GHz, and up to 1775Mbps per AP. It has long-range coverage, making it ideal for many wireless scenarios,, especially in offices, shopping malls, hotels, service scenarios, etc.

Features

Ultra-Fast Wi-Fi 6 Speeds

WI-AP218AX-Lite up to 1775Mbps high-speed wireless access.

High-Efficiency Wi-Fi 6

By introducing new technologies such as OFDMA, upstream-MU-MIMO, BSS Coloring, and TWT, the system has greatly improved its performance. Compared with Wi-Fi 5, it has four times more bandwidth and concurrent users, with lower latency and more energy saving.

Cloud Management

Users can conduct the comprehensive remote operation, management, and maintenance of the entire network equipment through the Wi-Tek cloud platform, and can also share the network with other for network hosting and collaborative management, to operate and maintain the enterprise network more efficiently.

Multiple Power Supply Methods

Supports 802.3af PoE and 12V DC local power. you can use Ethernet cables to transfer both electrical power and network data, making deployment more flexible and removing the need to install additional power cabling.

Fast Roaming

802.11kvr fast roaming provides fast switching to the access point with the optimal signal when moving between APs.

Support Fit AP and Fat AP Mode

The device supports both Fit AP and Fat AP mode. A wireless network can be formed with multiple APs, or it can be used as a wireless router when deployed independently. The device offers more flexible configurations, more abundant application features, and more extensive applicable scenarios.



Specifications

Products	WI-AP218AX-Lite
Hardware Specifications	
Wireless Standards	IEEE 802.11ax/ac wave2/wave1/n/b/g/a
Operating Bands	2.4GHz & 5GHz
Antenna	2.4Ghz:4.6dBi, 5GHz: 4dBi
Spatial Streams	2.4GHz: 2x2 MIMO 5GHz: 2x2 MIMO
Signal Rate	Up to 574Mbps at 2.4GHz Up to 1201Mbps at 5GHz
Receiver Sensitivity	2.4GHz 802.11b: -85dBm@11M -92dBm@1M 802.11g: -72dBm@54M -90dBm@6M 802.11n HT20: -70dBm@MCS7 -88dBm@MCS0 802.11n HT40: -68dBm@MCS7 -86dBm@MCS0 802.11ax HT20:-60dBm@MCS11 -85dBm@MCS0 802.11ax HT40: -56dBm@MCS11 -85dBm@MCS0 5GHz: 802.11a: -72dBm@54M -92dBm@6M 802.11n HT20: -70dBm@MCS7 -90dBm@MCS0 802.11n HT40: -68dBm@MCS7 -88dBm@MCS0 802.11ac HT20: -70dBm@MCS7 -90dBm@MCS0 802.11ac HT40: -68dBm@MCS7 -88dBm@MCS0 802.11ac HT80: -58dBm@MCS9 -85dBm@MCS0 802.11ax HT20: -62dBm@MCS11 -88dBm@MCS0 802.11ax HT40: -58dBm@MCS11 -86dBm@MCS0 802.11ax HT80: -55dBm@MCS11 -84dBm@MCS0
Maximum Transmit Power	<22dBm
Interface	(2)10/100/1000M Base-T Ethernet ports
Power Supply	DC 12V/1.5A (Not Included) 802.3af PoE Supported
Power Consumption	< 15W
Installation	Wall/Ceiling Mounting
External Buttons	Reset button (long press for 8 seconds to restore the factory default configuration)
Dimensions	185mm*185mm*36mm
Environment	Operating Temperature:-20°C ~ 45°C Storage Temperature:-40°C ~ 70°C; Operating Humidity: 5% ~ 95% (non-condensing) Storage Humidity: 5% ~ 95% (non-condensing)
Software Features	
Operating Mode	Fit AP, Fat AP
Wireless Function	Up to 16 SSIDs
	Support SSID hiding, Enable/Disable Wireless Radio
	Manual and automatic channel assignment
	Manual and automatic bandwidth assignment
	TxPower control
Roaming	Support Layer 2 roaming
Wireless Security	Captive portal authentication Static blacklist and whitelist Wireless isolation between clients SSID to VLAN mapping Support 802.1X WPA/WPA2/PSK/WPA/WPA2-Enterprise/WPA3
Internet Connection Type	Support static IP, DHCP, PPPoE Dial-Up
Management	Support local management with web Support centralized management with AC Support remote management with the Wi-Tek cloud platform
Platform Management Features	Automatic RF adjustment via the platform Unified configuration via the platform Unified monitoring via the platform



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Technical Support



Cloud Management



Company Website