

# Wi-Fi 6 Indoor Wireless Ceiling Mount Access Point

WI-AP218AX | WI-AP219AX

## Overview

Wi-Tek Wi-Fi 6 wireless ceiling AP series is specially designed for indoor Wi-Fi coverage. Support 802.3 PoE power supply, local power supply 12V DC. The dual network port design is conducive to the expansion of third-party devices and meets the needs of more networking scenarios. Compatible with 802.11a/b/g/n/ac/ax Wi-Fi protocol, 802.11ax protocol adopts OFDMA, 1024QAM, MU-MIMO, and other key technologies to support faster speed and more user access. In addition, the AP supports cloud management, and users can quickly deploy, configure, remotely manage and operate network-wide equipment, greatly reducing equipment investment costs. Offers fast wireless roaming and wired connectivity, ideal for use in hotels, retail, offices, and more.

## Features

### Ultra-Fast Wi-Fi 6 Speeds

WI-AP218AX up to 1775Mbps high-speed wireless access, WI-AP219AX up to 3550Mbps 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 a third party for network hosting and collaborative management, to operate and maintain the enterprise network more efficiently.

### Multiple Power Supply Methods

Supports 802.3at PoE and 12V DC local power. Flexible power supply options for different installation environments.

### Fast Roaming

802.11k and 802.11v fast roaming provide seamless switching to the access point with the optimal signal when moving between APs.

### Support Multiple Working Modes

The device supports Fit AP/Fat AP/Repeat/WISP multiple working modes, the configuration is more flexible, the application features are more abundant, and the application scenarios are more extensive.



# Specifications

Products	WI-AP218AX	WI-AP219AX
<b>Hardware Version</b>		
Wireless Standards	IEEE 802.11ax/ac wave2/wave1/n/b/g/a	
Operating Bands	2.4GHz & 5GHz	2.4GHz & 5GHz
Antenna	2.4Ghz:3dBi, 5GHz: 3dBi	2.4Ghz:3dBi, 5GHz: 3dBi
Spatial Streams	2.4GHz: 2x2 MIMO 5GHz: 2x2 MIMO	2.4GHz: 4x4 MIMO 5GHz: 4x4 MIMO
Signal Rate	Up to 574Mbps at 2.4GHz Up to 1201Mbps at 5GHz	Up to 1148Mbps at 2.4GHz Up to 2402Mbps at 5GHz
Receiver Sensitivity	2.4GHz 802.11b:-90dBm@11M -98dBm@1M 802.11g: -77dBm@54M -93dBm@6M 802.11n Ht20: -72dBm@MCS7 -92dBm@MCS0 802.11n Ht40: -71dBm@MCS7 -90dBm@MCS0 802.11ax Ht20: -63dBm@MCS11 -93dBm@MCS0 802.11ax Ht40: -60dBm@MCS11 -91dBm@MCS0  5GHz 802.11a: -77dBm@54M -95dBm@6M 802.11n Ht20: -75dBm@MCS7 -93dBm@MCS0 802.11n Ht40: -72dBm@MCS7 -91dBm@MCS0 802.11ac Ht20: -74dBm@MCS7 -93dBm@MCS0 802.11ac Ht40: -72dBm@MCS7 -91dBm@MCS0 802.11ac Ht80: -62dBm@MCS9 -88dBm@MCS0 802.11ax Ht20: -63dBm@MCS11 -93dBm@MCS0 802.11ax Ht40: -60dBm@MCS11 -90dBm@MCS0 802.11ax Ht80: -56dBm@MCS11 -87dBm@MCS0	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	<23dbm	<20dbm
Interface	(2)10/100/1000M Base-T Ethernet ports	(2)10/100/1000M/2.5G Base-T Ethernet ports
Power Supply	DC 12V/2A (Not Included) 802.3at PoE Supported	DC 12V/2A (Not Included) 802.3at PoE Supported
Power Consumption	<16W	<22W
Installation	Wall/Ceiling Mounting	Wall Mounting
External Buttons	reset button (long press for 8 seconds to restore the factory default configuration)	
Dimensions	198mm * 198mm * 41mm	198mm * 198mm * 41mm
Environment	Operating Temperature: -20°C~55°C Storage Temperature: -40°C~70°C Operating Humidity: 5%~95% (non-condensing) Storage Humidity: 5%~95% (non-condensing)	Operating Temperature: -20°C~55°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, Repeater, WISP mode
Wireless Function	Up to 8 SSIDs
	Up to 16 SSIDs
	Support SSID hiding, Enable/Disable Wireless Radio
	RF Parameter setting
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
Routing	Support static IP, DHCP, PPPoE Dial-Up
Management	Support local management with web Support remote management with 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