

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
Hardware Version		
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 16 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



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