WI-Tek
Communication Solution

WI-AP218AX
11AX 1800Mbps Indoor
Ceiling Mount Cloud Access Point
Data sheet

Highlights

- Ultra-Fast Wi-Fi 6 Speeds: Simultaneous 574Mbps on 2.4 GHz and 1201Mbps on 5 GHz totals 1775Mbps Wi-Fi speeds
- OFDMA and Uplink & Downlink MU-MIMO increase network capacity by up to 4× versus Wi-Fi 5 (802.11ac) in high-density environments to connect more devices simultaneously
- Captive portal provides one convenient method of authentication for Wi-Fi guests
- Atheros chipset 1024MB DDR3, 256MB Flash, 500mW High-Power,access 250users
- Support QVLAN binding multi-SSID
- Rate limit on per SSID to restrict the bandwidth of each client
- 27dBm High-Power design
- Multi-SSID divides multiple wireless network for different users
- Load balance ensures large numbers of users have smooth network experiences in high density business networks
- Simple mounting design makes easy to install on any wall or ceiling surface
- 48V PoE Support,2 x Gigabit Port, not include PoE adapter
- Compatible with 802.11 a/b/g/n/ac/ax products
- Support hardware controller managed and free cloud management

Product

Description

Wi-Tek's WI-AP218AX Comply with the latest generation of 802.11AX Wi-Fi Technology,

2.4GHz together with wider 5GHz band, data rate can be up to 1800Mbps， improving overall network performance in high client density environment; With multiple operation mode like Wireless AP, Gateway, Repeater mode, Work with Hardware Controller or cloud management for centralized configuration and management, access into cloud server for advertisement and captive portal authentication for more business value. WI-AP218AX is best applied to rural wireless Internet, wireless hot spot and other industrial wireless solutions.

Typical Applications

802.11 AX Series
Ceiling Mount Wireless Access Point
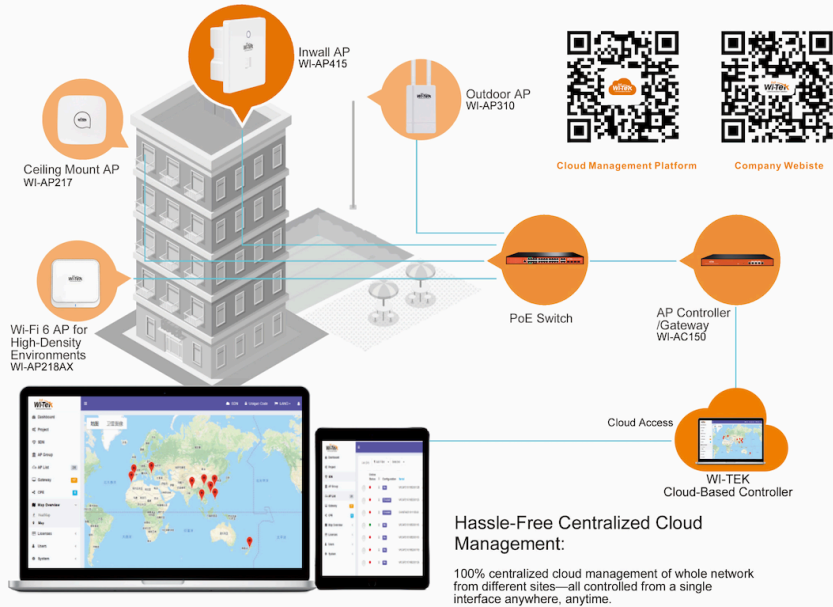
High-Density
Connectivity

Seamless
Roaming

Gigabit Ethernet
PoE+ port

Free
Cloud Access

Smart Cloud Solution for Business Networking

Wi-Tek Cloud Management platform integrates network devices including access points, switches and gateways,guaranteeing powerful business network with higher efficiency, higher security, and higher reliability.

Inwall AP
WI-AP415

Outdoor AP
WI-AP310

Ceiling Mount AP
WI-AP217

Cloud Management Platform

Company Webiste

Wi-Fi 6 AP for High-Density Environments WI-AP218AX

PoE Switch

AP Controller /Gateway WI-AC150

Cloud Access

WI-TEK
Cloud-Based Controller

Hassle-Free Centralized Cloud Management:

100% centralized cloud management of whole network from different sites—all controlled from a single interface anywhere, anytime.

Features

- 2x2 or 4x4 dual concurrent 2.4GHZ and 5GHz architecture
- 1024-QAM modulation to deliver 25% higher throughput compared to 256-QAM
- Advanced OFDMA for allocated air resource
- UL/DL MU-MIMO & Beamforming serve a high-capacity environment
- Spatial reuse enables simultaneous transmission

Specifications

HARDWARE FEATURES	
Processor	Qualcomm IPQ6000
Memory	1024MB DDR3 256MB Flash

Interface	2*10/100/1000M Ethernet Interface
Power Supply	48V 802.3at PoE
Power Consumption	25W
Dimensions (H x W x D)	198mm * 198mm * 32mm
Antenna Type	Internal Omni 2.4GHz: 3* 5dBi 5GHz: 2*5dBi
Protection	6KV Lightning Protection
Enclosure	Ceiling /Wall Mounting (Kits included)

WIRELESS FEATURES	
Wireless Standards	IEEE 802.11ax/ac/n/g/b/a
Frequency	2.4GHz and 5GHz
Wireless Mode	AP, Gateway, Repeater
Signal Rate	5GHz:Up to 1201Mbps 2.4GHz:Up to 574Mbps
Wireless Functions	Multiple SSIDs Enable/Disable Wireless Radio Automatic Channel Assignment Transmit Power Control (Adjust

WIRELESS FEATURES

	Transmit Power on dBm) QoS(WMM) Band Steering Load Balance Schedule Wireless Statistics based on SSID/AP/Client
Transmission Power	27dBm(500mW)

SOFTWARE FEATURES

Wireless Security	Captive Portal Authentication Access Control Wireless 802.1x Radius Mac Address Filtering Wireless Isolation Between Clients SSID to VLAN Mapping 64/128/152-bit WEP / WPA / WPA2-Enterprise, WPA-PSK / WPA2-PSK/WPA3-PSK
Management	WEB management , Cloud management Controller management

SOFTWARE FEATURES

Hardware Controller	Yes

OTHERS

Certification	CE
Package Contents	1*AP 1* Pole Mounting Kit included
System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 10, Windows 8, Windows 7, MAC OS, NetWare, UNIX or Linux. Note: We recommend you to use one of following Web browsers for an improved user experience: Google Chrome, Safari, and Firefox. IE browsers are not recommended.
Environment	Working Temp: 0 ~ 40°C Storage Temp: -40 ~70°C Working Humidity: 10%~95% non-condensing