



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 250 users
- 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



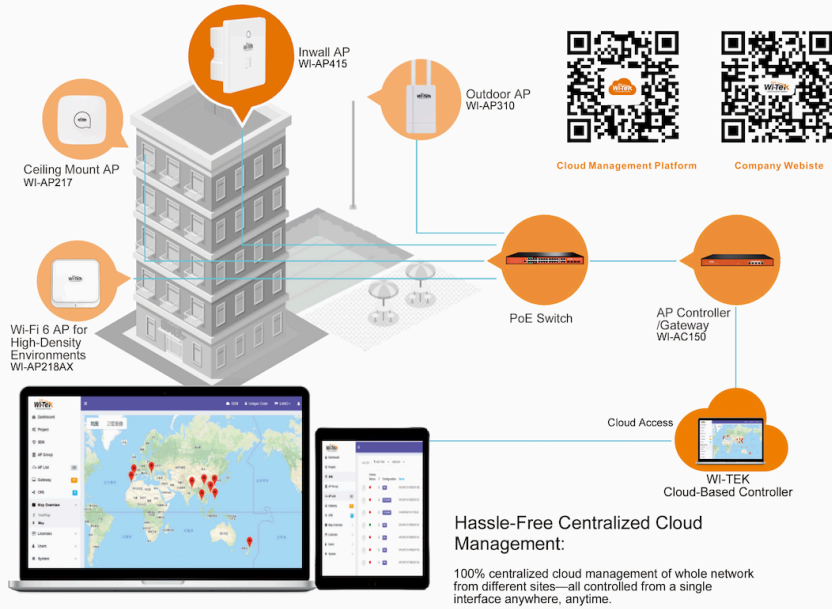
Gigabit Ethernet
PoE+ port



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.



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