WI-AP518AX
11AX 3600Mbps
Outdoor Cloud Access Point
Data sheet

Highlights

- Ultra-Fast Wi-Fi 6 Speeds: Simultaneous 1148Mbps on 2.4 GHz and 2402Mbps on 5 GHz totals 3550Mbps Wi-Fi speeds
- 500 Meters LOS wireless cover range(under 6dBi Onmi antenna), up to 500+ users
- Support Fit AP, Router mode
- Support MU-MIMO, Airtime Fairness and Beamforming
- Support QVLAN binding multi-SSID
- 1 x 2.5Gbps Ethernet port(WAN/LAN)
- Captive portal provides one convenient method of authentication for Wi-Fi guests
- Rate limit on per SSID to restrict the bandwidth of each client
- 23dBm High-Power design
- Multi-SSID divides multiple wireless Network for different users
- 48V 802.3at PoE supported
- Support hardware controller managed and Cloud managed
- IP67 rated, weather and dust sealed
- 4* N-type contactor for external antenna
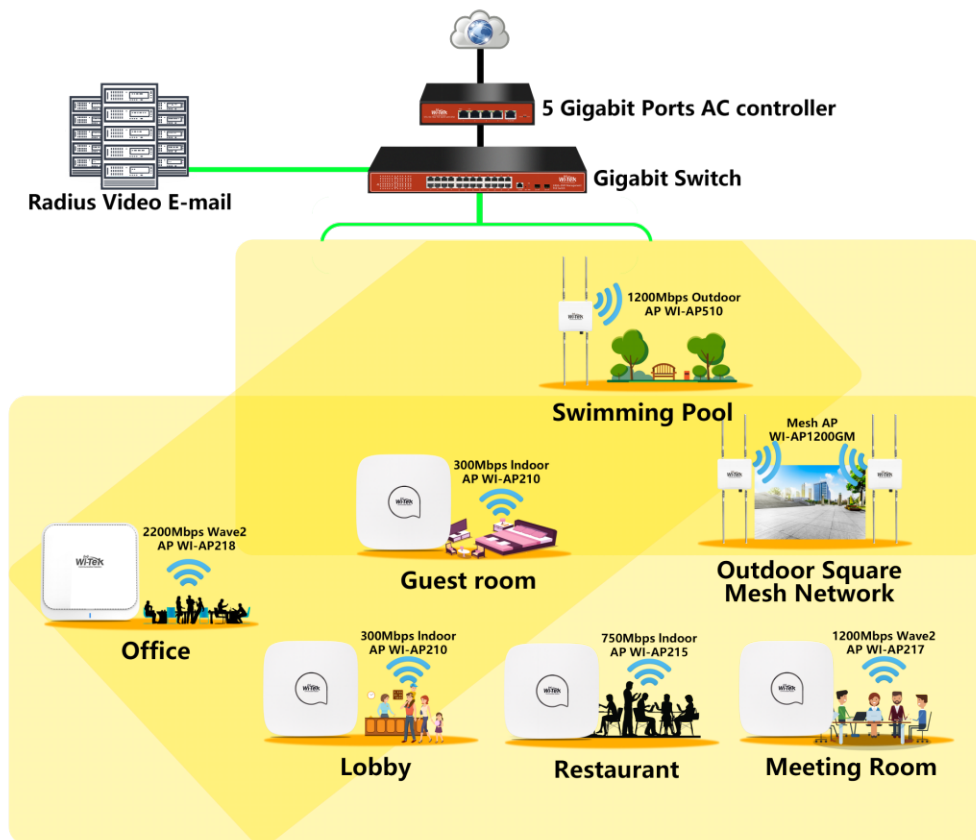- Flexible wall or pole mounting options

Product

Description

Wi-Tek's WI-AP518AX Comply with the latest generation of 2.4G&5G 802.11ax Wi-Fi 6 Technology, data rate can be up to 3600Mbps，can access 500 users max for cover 500 meters area , improving overall network performance in high client density environment; With multiple operation mode like Fit AP, Router mode Work with Hardware Controller and Cloud Controller for centralized configuration and management, access into cloud server for advertisement and captive portal authentication for more business value. WI-AP518AX is best applied to rural wireless Internet, wireless hot spot and other industrial wireless solutions.

Typical Applications

Specifications

HARDWARE FEATURES

Processor	IPQ8072+QCN5024+QCN5054+PMP8074+QCA8081
Memory	1024MB DDR2 256MB Flash
Interface	1*100/1000M/2500M Ethernet Interface
Power Supply	48V 802.3at PoE
Power Consumption	25W
Dimensions (H x W x D)	295x231x80mm
Antenna Type	4* N-type connector
Protection	10KV Lightning Protection
Enclosure	Pole Mounting (Kits included) IP67 Waterproof Design

WIRELESS FEATURES

Wireless Standards	IEEE 802.11ax/ac/n/g/b/a

WIRELESS FEATURES

Frequency	2.4GHz and 5.8Ghz
Wireless Mode	Fit AP, Router
Signal Rate	2.4GHz:Up to 1148Mbps 5GHz:Up to 2402Mbps
Wireless Functions	Multiple SSIDs Enable/Disable Wireless Radio Automatic Channel Assignment Transmit Power Control（Adjust Transmit Power on dBm） QoS(WMM) Band Steering Load Balance Schedule Wireless Statistics based on SSID/AP/Client MU-MIMO Airtime Fairness Beamforming
Transmission Power	23dBm(200mW)

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 Centralized Management
Hardware Controller	Yes

OTHERS

Certification	CE
Package Contents	1*AP

OTHERS

	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: -40 ~ 70°C Storage Temp: -40 ~85°C Working Humidity: 10%~90% non-condensing

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