



**WI-AP510**  
**11AC 1200Mbps Wave 2**  
**Outdoor Access Point**  
**Data sheet**

## Highlights

- 2x2MIMO Wave 2 1200Mbps 802.11ac outdoor access point
- 500 Meters LOS wireless cover range, up to 200 users
- Support AP, Repeater, Router, WISP mode
- Support QVLAN binding multi-SSID
- 1 x Gigabit 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
- 27dBm High-Power design
- Multi-SSID divides multiple wireless network for different users
- 48V 802.3at PoE supported
- Support hardware controller managed
- IP67 rated, weather and dust sealed
- 4\* N-type contactor for external antenna
- Flexible wall or pole mounting options

## Product

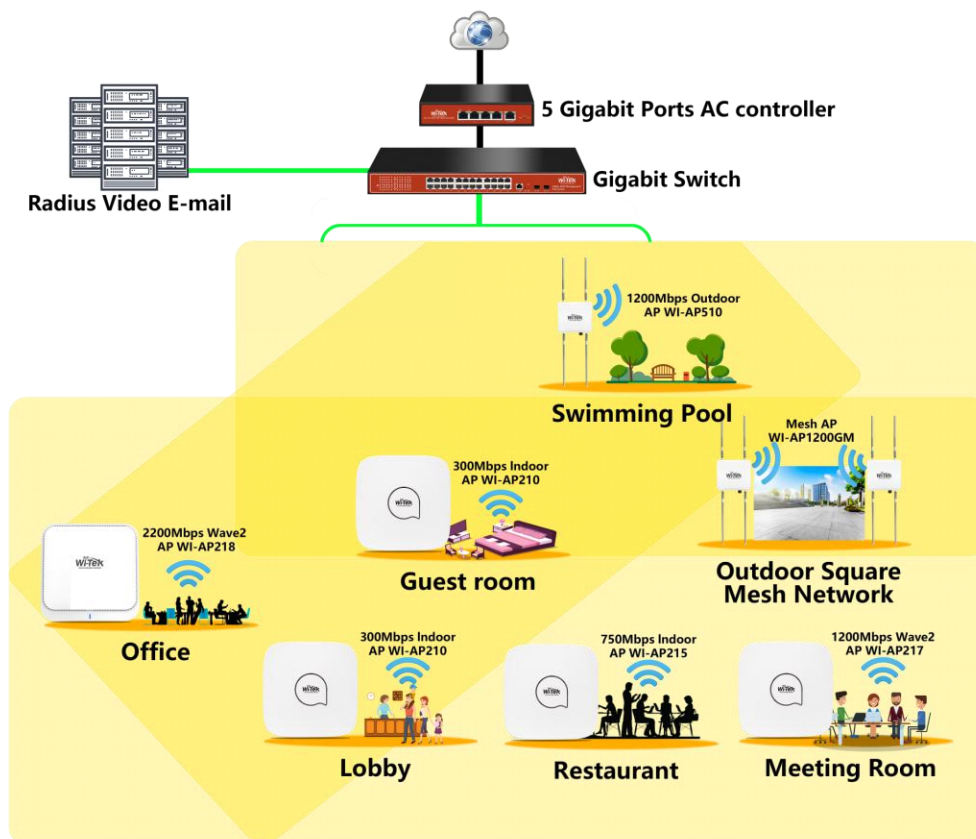


## Description

Wi-Tek's WI-AP510 Comply with the latest generation of 2.4G&5G 802.11ac Wi-Fi Technology, data rate can be up to 1200Mbps, can access 300 users max for cover 500 meters area, improving overall network performance in high client density environment; With multiple operation mode like Wireless AP, WI-FI repeater,

Router,WISP Work with Hardware Controller (root AP)for centralized configuration and management, access into cloud server for advertisement and captive portal authentication for more business value. WI-AP510 is best applied to rural wireless Internet, wireless hot spot and other industrial wireless solutions.

## Typical Applications



## Specifications

### HARDWARE FEATURES

<b>Processor</b>	Qualcomm QCA9563
<b>Memory</b>	256MB DDR2 16MB Flash
<b>Interface</b>	1*100/1000M Ethernet Interface
<b>Power Supply</b>	48V 802.3at PoE
<b>Power Consumption</b>	25W
<b>Dimensions ( H x W x D )</b>	250x250x100mm
<b>Antenna Type</b>	4* N-type connector
<b>Protection</b>	10KV Lightning Protection
<b>Enclosure</b>	Pole Mounting (Kits included)

## WIRELESS FEATURES

<b>Wireless Standards</b>	IEEE 802.11ac/n/g/b/a
<b>Frequency</b>	2.3-2.7GHz 4.7-6.0Ghz
<b>Wireless Mode</b>	AP, Router, Repeater, WISP
<b>Signal Rate</b>	2.4GHz:Up to 300Mbps 5GHz:Up to 900Mbps

## WIRELESS FEATURES

<b>Wireless Functions</b>	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
<b>Transmission Power</b>	27dBm(500mW)

## SOFTWARE FEATURES

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<b>Wireless Security</b>	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
<b>Management</b>	WEP management
<b>Hardware Controller</b>	Yes

## OTHERS

<b>Certification</b>	CE
<b>Package Contents</b>	1*AP 1* Pole Mounting Kit included

**OTHERS**

**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%~95% non-condensing