WI-AP310
11N 300Mbps Outdoor Cloud Access Point
Datasheet

Highlights

- 2x2MIMO 300Mbps 802.11N outdoor access point
- 200 Meters LOS wireless cover range, up to 50 users
- Support Fit AP, Router mode
- Support QVLAN binding multi-SSID
- 2 x 100Mbps Ethernet Ports(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
- 22dBm High-Power design
- Multi-SSID divides multiple wireless Network for different users
- 24V Passive PoE adapter included in packing box
- Support hardware controller managed and Cloud managed
- IP65 rated, weather and dust sealed
- 2*5dBi external Omni antenna
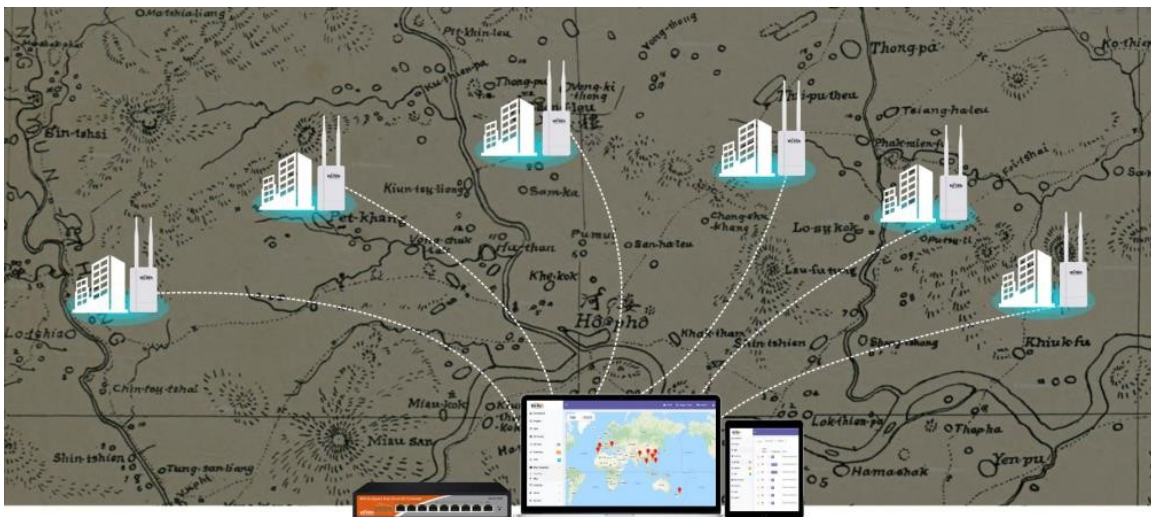- Flexible wall or pole mounting options

Product

Description

Wi-Tek's WI-AP310 Comply with the latest generation of 2.4G 802.11N Wi-Fi Technology, data rate can be up to 300Mbps，can access 50 users max for cover 200 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-AP310 is best applied to rural wireless Internet, wireless hot spot and other industrial wireless solutions.
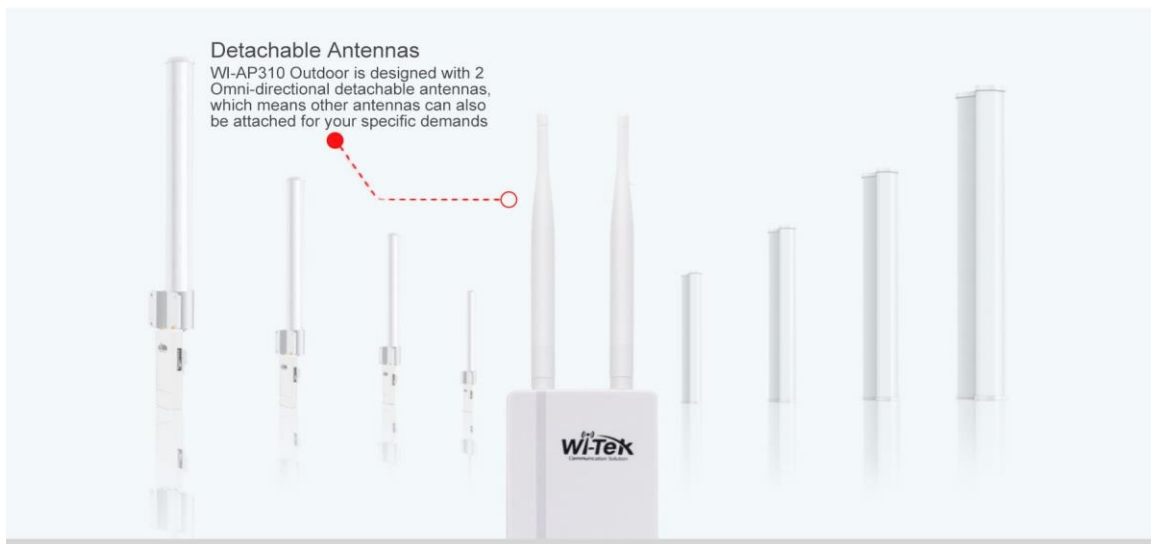
Typical Applications

Cloud Centralized Management
- Anytime, Anywhere

Specially Designed Weatherproof Enclosure for Outdoor Environment

Rated as IP65 during Ingress Protection testing, a resilient weatherproof enclosure protects the access points against the harsh outdoor condition.

10KV Lightning Protection and 15KV ESD Protection

No Ingress of Dust

waterproof Enclosure

Detachable Antennas
WI-AP310 Outdoor is designed with 2 Omni-directional detachable antennas, which means other antennas can also be attached for your specific demands

Wi-Fi That Goes the Distance

With high transmission power and two high-gain omnidirectional antennas,
WI-AP310 Outdoor provides stable wireless coverage at a range of up to 200 meters* in outdoor settings.

200m

High Transmission Power

High-Gain Antennas

*Based on field tests. The Real transmission range may vary, according to the environment, receiving device, etc.

Specifications

HARDWARE FEATURES	
Processor	Atheros QCA9531
Memory	64MB DDR2 16MB Flash
Interface	2*10/100M Ethernet Interface
Power Supply	24V Passive PoE

Power Consumption	5W
Dimensions (H x W x D)	350x85x40mm
Antenna Type	2*5dBi Omni antenna
Protection	10KV Lightning Protection
Enclosure	Pole Mounting (Kits included)

WIRELESS FEATURES

Wireless Standards	IEEE 802.11 n/g/b
Frequency	2.4GHz
Wireless Mode	Fit AP, Router
Signal Rate	2.4GHz:Up to 300Mbps
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

WIRELESS FEATURES	
Transmission Power	22dBm(160mW)

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
Management	WEB management Cloud management Centralized Management
Hardware Controller	Yes

OTHERS	
Certification	CE
Package Contents	1*AP 1* Pole Mounting Kit Included 1* 24V PoE adapter
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