

Wi-Fi 4/5 Wireless Outdoor Access Point

WI-AP310 | WI-AP315 | WI-AP317 | WI-AP510

Overview

Wi-Tek outdoor wireless AP series is specially designed for outdoor Wi-Fi coverage. The device shell can prevent the intrusion of dust and rain. It is suitable for villages, villas, parks, scenic spots, squares, and other places, and supports Fit AP, Fat AP, Repeat, WISP has multiple working modes, more flexible configuration, and can meet the needs of more application scenarios. In addition, AP supports cloud management function, users can quickly complete network-wide device deployment, configuration, remote management, and operation and maintenance, which greatly reduces the labor cost and time cost in the process of wireless network construction.

Features

Ideal for Outdoor Environment

WI-AP510 IP67 weatherproof enclosure, WI-AP310, WI-AP315, WI-AP317 IP65 weatherproof enclosure, outdoor Wi-Fi applications.

Fast Wi-Fi

WI-AP317/WI-AP510 up to 1200Mbps Wi-Fi with 2×2 MU-MIMO.

Multi-SSID

Support QVLAN binding multi-SSID, bind different SSIDs to different TAG VLANs, set different SSIDs for different departments of the enterprise, realize the isolation between SSIDs, and flexibly control the access rights of wireless networks.

Fast Roaming

802.11k and 802.11v fast roaming provide seamless switching to the access point with the optimal signal when moving between APs.

Cloud Management

Users can conduct the comprehensive remote operation, management, and maintenance of the entire network equipment through the Wi-Tek cloud platform, and can also share the network with a third party for network hosting and collaborative management, to operate and maintain the enterprise network more efficiently.

Load Balancing

Load balance ensures large numbers of users have smooth network experiences in high-density business networks.

Support Multiple Working Modes

The device supports Fit AP/Fat AP/Repeat/WISP multiple working modes, the configuration is more flexible, the application features are more abundant, and the application scenarios are more extensive.



Specifications



Products	WI-AP310	WI-AP315	WI-AP317	WI-AP510
Hardware Version				
Wireless Standards	802.11n/b/g/a	802.11ac wave1 802.11n/b/g/a	802.11ac wave2/wave1 802.11n/b/g/a	802.11ac wave2/wave1 802.11n/b/g/a
Operating Bands	2.4GHz	2.4GHz & 5GHz		
Antenna	2.4GHz: 5dBi (External antenna)	2.4GHz:3.5dBi, 5GHz: 4dBi	2.4GHz:5dBi, 5GHz: 5dBi	2.4GHz:8dBi, 5GHz: 12dBi
Spatial Streams	2.4GHz: 2x2 MIMO	2.4GHz: 2x2 MIMO 5GHz: 1x1 MIMO	2.4GHz 2x2 MIMO 5GHz 2x2 MIMO	2.4GHz 2x2 MIMO 5GHz 2x2 MIMO
Max Throughput	Up to 300Mbps at 2.4GHz	Up to 300Mbps at 2.4GHz Up to 450Mbps at 5GHz	Up to 300Mbps at 2.4GHz Up to 867Mbps at 5GHz	Up to 300Mbps at 2.4GHz Up to 867Mbps at 5GHz
Receiver Sensitivity	2.4GHz: 802.11n: -69dbm@MCS7 -88dbm@MCS0. 802.11g: -73dbm@54Mbps -90dbm@6Mbps. 802.11b: -85dbm@11Mbps -94dbm@1Mbps.	2.4GHz 802.11n: -70dBm@MCS7 -88dBm@MCS0. 802.11g: -72dBm@54Mbps -90dBm@6Mbps. 802.11b: -85dBm@11Mbps -94dBm@1Mbps. 5GHz 802.11a: -72dBm@54Mbps -90dBm@6Mbps. 802.11n: -70dBm@MCS7 -88dBm@MCS0. 802.11ac: -60dBm@MCS9 -85dBm@MCS0.	2.4GHz 802.11b: -85dBm@11Mbps -94dBm@1Mbps 802.11g: -72dBm@54Mbps -90dBm@6Mbps 802.11n Hi20: -70dBm@MCS7 -88dBm@MCS0 802.11n Hi40: -68dBm@MCS7 -86dBm@MCS0 5GHz 802.11a: -72dBm@54Mbps -90dBm@6Mbps 802.11n Hi20: -70dBm@MCS7 -88dBm@MCS0 802.11n Hi40: -68dBm@MCS7 -86dBm@MCS0 802.11ac Hi80: -58dBm@MCS9 -80dBm@MCS0	2.4GHz 802.11b: -85dBm@11Mbps -94dBm@1Mbps 802.11g: -72dBm@54Mbps -88dBm@6Mbps 802.11n Hi20: -70dBm@MCS7 -88dBm@MCS0 802.11n Hi40: -68dBm@MCS7 -86dBm@MCS0 5GHz 802.11a: -72dBm@54Mbps -90dBm@6Mbps 802.11n Hi20: -70dBm@MCS7 -88dBm@MCS0 802.11n Hi40: -68dBm@MCS7 -86dBm@MCS0 802.11ac Hi80: -58dBm@MCS9 -80dBm@MCS0
Maximum Transmit Power	≤22dbm	≤27dbm	≤23dbm	≤30dbm
Interface	(2)10/100Base-T Ethernet ports WAN/PoE port supports PoE in	(2)10/100Base-T Ethernet ports WAN/PoE port supports PoE in	(2)10/100/1000Base-T Ethernet ports WAN/PoE port supports PoE in	(1)10/100/1000Base-T Ethernet ports WAN/PoE port supports PoE in
Power Supply	DC 12V/1A (Not Included) 24V Passive PoE (Pairs 4,5+; 7,8 -)	DC 12V/1.5A (Not Included) 802.3af PoE Supported	DC 12V/2A (Not Included) 802.3af PoE Supported	802.3at PoE Supported
Power Consumption	< 10W	< 15W	< 20W	< 30W
Installation	Pole/Wall Mounting			
External Buttons	reset button (long press for 8 seconds to restore the factory default configuration)			
Dimensions	340mm * 85mm * 35mm	315mm*145mm*80mm	315mm*145mm*80mm	250*250*100 mm
Environment	Operating Temperature: -40°C ~ 55°C Storage Temperature: -40°C~70°C Operating Humidity: 5%~95% (non-condensing) Storage Humidity: 5%~95% (non-condensing)	Operating Temperature: -40°C~55°C Storage Temperature: -40°C~70°C Operating Humidity: 5%~95% (non-condensing) Storage Humidity: 5%~95% (non-condensing)	Operating Temperature: -30°C~55°C Storage Temperature: -40°C~70°C; Operating Humidity: 5%~95% (non-condensing) Storage Humidity: 5%~95% (non-condensing)	Operating Temperature: -40°C~55°C Storage Temperature: -40°C~70°C; Operating Humidity: 10%~95% (non-condensing) Storage Humidity: 5%~95% (non-condensing)
Software Features				
Operating Mode	Fit AP, Fat AP, Repeater, WISP Mode			
Wireless Function	Up to 8 SSIDs	Up to 16 SSIDs	Up to 16 SSIDs	Up to 16 SSIDs
	Support SSID hiding, enable/disable the wireless radio RF parameter setting			
Roaming	Support Layer 2 roaming			
Wireless Security	Captive portal authentication Static blacklist and whitelist Wireless isolation between clients SSID to VLAN mapping Support 802.1X WPA/WPA2/PSK/WPA/WPA2-Enterprise			
Internet Connection Type	Support Static IP, DHCP, PPPoE Dial-Up			
Management and Maintenance	Support local management with web Support remote management with Wi-Tek cloud platform			
Platform Management Features	Automatic RF adjustment via the platform Unified configuration via the platform Unified monitoring via the platform			



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Technical Support



Cloud Management



Company Website