

Wi-Fi 5/6 Outdoor Wireless Access Point

WI-AP510| WI-AP518AX



Overview

Wi-Tek's outdoor AP is designed for outdoor Wi-Fi coverage scenarios. Supporting 802.3at PoE IN, it makes deployment easy and flexible. The AP enclosure is designed with an IP67 rating for outdoor environments and is immune to extreme conditions, making it an ideal choice for many outdoor wireless scenarios, especially in rural areas, squares. In addition, the AP also supports cloud management functions. Users can quickly complete network-wide equipment configuration, remote management, and operation and maintenance, greatly reducing equipment costs, labor costs and time costs for wireless network construction.

Features

Ultra-Fast Speed

The AP provides combined wireless speed of up to 1167Mbps(for WI-AP510), 3550Mbps(for WI-AP518AX), bringing smooth internet experience to the users.

High-Performance Design (WI-AP518AX)

By introducing new technologies such as OFDMA, WI-AP518AX has greatly improved its performance such as providing stable connection and fast speed to multiple terminals.

2.5Gigabit Ethernet Port (WI-AP518AX)

With a 2.5G Gigabit Ethernet port, WI-AP518AX can provide faster wireless speed and allow more user accesses.

Professional Outdoor Weatherproof Design

Equipped with durable IP67 weatherproof enclosure, the AP can normally work in various harsh outdoor environment.

802.3at PoE Input

Adopting 802.3at PoE Input can enable Ethernet port to carry data and power simultaneously via one cable, eliminating the need for additional power outlets and making deployment easy and flexible.

Fast Roaming

The AP supports fast roaming which realizes the switching between APs. The terminals such as phone, tablet automatically connects to the fastest AP as users move between APs.

Cloud Management

Wi-Tek Cloud's quick configuration provide reliable performance, visual management, and real-time monitoring, enhancing the efficiency of device management.

Specifications



Model	WI-AP510	WI-AP518AX
Hardware Version	V1	V1
Hardware Features		
Memory	128MB RAM 16MB Flash	128MB RAM 256MB Flash
Interface	1*10/100/1000Mbps Base-T Ethernet Ports (WAN port supports 802.3at PoE Input)	1*10/100/1000/2500Mbps Base-T Ethernet Ports (WAN port supports 802.3at PoE Input)
Button	1*Reset Button	
Power Supply	802.3at PoE Input	
Power Consumption (Max)	15W	22W
Wireless Features		
Standards	IEEE 802.11a/b/g/n/ac	IEEE 802.11a/b/g/n/ac/ax
Max/Recommended Clients	150/64	500/112
Data Rates	2.4GHz: up to 300Mbps 5GHz: up to 867Mbps	2.4GHz: up to 1148Mbps 5GHz: up to 2402Mbps
MIMO	2.4GHz: 2 x 2 5GHz: 2 x 2	2.4GHz: 4 x 4 5GHz: 4 x 4
Antenna	2.4GHz: 8dBi 5GHz: 12dBi	2.4GHz: 6dBi 5GHz: 6dBi
Frequency	2.4GHz, 5GHz	
Channel Width	2.4GHz: 20/40MHz 5GHz: 20/40/80MHz	
Max. TX power	26dBm	20dBm
Software Features		
Wireless Mode	Fit AP/Repeater/Wireless Router/WISP Mode (Default: Fit AP mode)	
Network	LAN: Static IP, Dynamic IP WAN: Static IP, Dynamic IP, PPPoE Client	
Wireless	Wireless Disable or Enable Modify SSID SSID Hiding	



Model	WI-AP510	WI-AP518AX
Wireless Security	WPA-TKIP , WPA2-AES WPA1/WPA2-Mixed WPA-Enterprise, WPA2-Enterprise	WPA-TKIP , WPA2-AES, WPA1/WPA2-Mixed WPA-Enterprise, WPA2-Enterprise WPA2/WPA3-Mixed
VLAN	Supports IEEE 802.1Q VLAN Supports SSID-to-VLAN mapping	
Wi-Fi Schedule	Yes	
RF Parameter	Adjustable Country Auto Channel Width Selection Automatic Frequency Selection Adjustable Transmission Power Max Associated STA (default: 128) Weak Signal Rejection Threshold(default: -95dBm) User Isolation(default: disabled) Supports Wi-Fi Multimedia (WMM)	
Advanced	Multiple SSID (Up to 8 per radio) Ping Watchdog Scheduled Reboot DHCP Server NTP Server Diagnosis: PING, TRACERT	
Status Monitoring	Base Info: LAN/WAN Info, Wireless Info, System Info Radio Status Real Time Flow Chart Wireless Terminal Station SSID List DHCP Client ARP Table Routing Table	
Management	Quickly scan devices by discovery tools Web-based management by locally Support remote management by cloud platforms and applications Support AC management	
Environment	Operating Temperature: -40°C ~ 55°C(-40°F ~ 131°F) Storage Temperature: -40°C ~ 70°C(-40°F ~ 158°F) Operating Humidity: 5% ~ 95% (non-condensing) Storage Humidity: 5% ~ 95% (non-condensing)	



Model	WI-AP510		WI-AP518AX
Others			
Certification	CE, FCC, RoHS, UKCA, RCM		
Product Dimensions (L x W x H)	250*250*100mm	295*231*80mm	
Package Dimensions (L x W x H)	400*300*140mm	460*290*130mm	
Product Weight	2.7kg	2.5kg	
Package Weight	4kg	3.65kg	

Package Contents

Welcome to order our products. After purchasing, you will receive:

Items	Quantity
AP	1 pcs
Mounting Tools	1 unit
Power Adapter	1 pcs
Quick Installation Guide	1 pcs



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Technical Support



Cloud Management



Company Website