

Wi-Fi 6 Wireless Outdoor Access Point

WI-AP316AX



Overview

Wi-Tek's outdoor AP is designed for outdoor Wi-Fi coverage scenarios. Supporting 802.3af/at PoE Input, it makes deployment easy and flexible. WI-AP316AX adopts IP67 weatherproof design, which makes it easy to adapt to various harsh outdoor environments. In addition, it supports cloud management, and users can quickly configure, remotely manage and operate network-wide equipment, greatly reducing equipment investment costs.

Features

Ultra-Fast Speed

The AP provides combined wireless speed of up to 2976Mbps, which brings smooth internet experience to the users.

High-Performance Design

By introducing new technologies such as OFDMA, WI-AP316AX has greatly improved its performance such as providing stable connection and fast speed to multiple terminals.

2.5G SFP Slot and External Omni Antennas

With a 2.5G SFP slot and external Omni antennas, WI-AP316AX can expand Wi-Fi coverage, provides faster wireless speed and allow more user accesses.

Professional Outdoor Weatherproof Design

Equipped with durable high-level weatherproof enclosure, the AP can work in various harsh outdoor environment.

Fast Roaming

This AP supports fast roaming, ensuring short switching time between APs. As users move, terminals such as phones and tablets automatically connect to the optimal AP for seamless mobility.

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-AP316AX
Hardware Version	V1
Hardware Features	
Memory	512MB RAM 128MB Flash
Interface	1*Gigabit Ethernet Port (supports IEEE 802.3at PoE Input) 1*2.5G SFP slot
Button	1*Reset Button
Power Supply	802.3at PoE Input
Power Consumption(Max)	15W
Wireless Features	
Standards	IEEE 802.11a/b/g/n/ac/ax
Max/Recommended Clients	128/80
Data Rates	2.4GHz: up to 574Mbps 5GHz: up to 2402Mbps
MIMO	2.4GHz: 2 x 2 5GHz: 2 x 2
Antenna	2.4GHz: 5dBi 5GHz: 5dBi
Frequency	2.4GHz, 5GHz
Channel Width	2.4GHz: 20/40MHz 5GHz: 20/40/80/160MHz
Max. TX power	27dBm
Coverage Range	2.4GHz max/ recommended: 150m/80m
	5GHz max/ recommended: 100m/50m
	Note: Data is acquired in an unobstructed ideal environment. Signal coverage radius depends on client performance and environmental interference.



Model	WI-AP316AX
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
Wireless Security	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



Model	WI-AP316AX
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: -30°C ~ 65°C (-22°F ~ 149°F) Storage Temperature: -40°C ~ 70°C (-40°F ~ 158°F) Operating Humidity: 5% ~ 95% (non-condensing) Storage Humidity: 5% ~ 95% (non-condensing)
Others	
Certification	CE, FCC, RoHS, UKCA, RCM
Product Dimensions (L x W x H)	182*103*55mm
Package Dimensions (L x W x H)	300*233*80mm
Product Weight	0.56kg
Package Weight	0.97kg



Model	WI-AP316AX	
Fast-Roaming AP Combo Recommendations		
Type	Model	Hardware Version
Ceiling-Mount	WI-AP217	V2
	WI-AP218AX	V2
	WI-AP219AX	V2
	WI-AP219AX-Lite	V1
	WI-AP229BE	V1
Wall-Plate	WI-AP419P	V1
Outdoor	WI-AP315	V1
	WI-AP316AX	V1
	WI-AP317	V1
	WI-AP510	V1
	WI-AP518AX	V1
	WI-AP520AX-D	V1

Package Contents

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

(For WI-AP316AX)	
Items	Quantity
AP	1 pcs
Metal Strap	1 pcs
Waterproof Joint	2 pcs
Bracket	1 pcs
Screw	2 pcs
Rubber Screws for Plugs	1 pcs
Quick Installation Guide	1 pcs



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Technical Support



Cloud Management



Company Website