

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 | <p>Base Info: LAN/WAN Info, Wireless Info, System Info</p> <p>Radio Status</p> <p>Real Time Flow Chart</p> <p>Wireless Terminal Station</p> <p>SSID List</p> <p>DHCP Client</p> <p>ARP Table</p> <p>Routing Table</p> |
| Management | <p>Quickly scan devices by discovery tools</p> <p>Web-based management by locally</p> <p>Support remote management by cloud platforms and applications</p> <p>Support AC management</p> |
| Environment | <p>Operating Temperature: -30°C ~ 65°C (-22°F ~ 149°F)</p> <p>Storage Temperature: -40°C ~ 70°C (-40°F ~ 158°F)</p> <p>Operating Humidity: 5% ~ 95% (non-condensing)</p> <p>Storage Humidity: 5% ~ 95% (non-condensing)</p> |
| 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

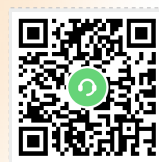
Welcome to order our products. After purchasing, you will receive:

(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