# Wi-Fi 5/6 Wireless Outdoor Access Point

WI-AP315 | WI-AP317 | 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-AP315 and WI-AP317 adopts IP65 weatherproof design as 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 750Mbps(for WI-AP315), 1167Mbps(for WI-AP317), 2976Mbps(for WI-AP316AX), which brings smooth internet experience to the users.

### High-Performance Design (For WI-AP316AX)

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 (For WI-AP316AX)

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(IP65 for WI-AP315 and WIAP317, IP67 for WI-AP316AX), the AP can work in various harsh outdoor environment.

### Flexible power supply methods

The AP supports not only DC Input but also 802.3af/at PoE Input, offering flexible power supply options in different installation environment. Adopting 802.3af/at PoE Input can enable Ethernet port to carry data and power simultaneously via one cable, making deployment easy and flexible.

### Fast Roaming

The AP supports fast roaming which realizes the switching time 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–AP315 | WI–AP317 | WI–AP316AX |
|---|---|---|---|
| Hardware Version | V1 | V1 | V1 |
| **Hardware Features** | | | |
| Memory | 128MB RAM<br>16MB Flash | 128MB RAM<br>16MB Flash | 512MB RAM<br>1GB Flash |
| Interface | 2*10/100Mbps Base–T Ethernet Ports<br>(WAN port supports 802.3af PoE Input) | 2*10/100/1000Mbps Base–T Ethernet Ports<br>(WAN port supports 802.3af/at PoE Input) | 1*Gigabit Ethernet Port (supports IEEE 802.3at PoE Input)<br>1*2.5G SFP slot |
| Button | 1*Reset Button | | |
| Power Supply | 802.3af PoE Input or DC 12V/1.5A | 802.3at PoE Input or DC 12V/2A | 802.3at PoE Input or DC 48V/3.5A |
| Power Consumption (Max) | 15W | 18W | 15W |
| **Wireless Features** | | | |
| Standards | IEEE 802.11a/b/g/n/ac | | IEEE 802.11a/b/g/n/ac/ax |
| Data Rates | 2.4GHz: up to 300Mbps<br>5GHz: up to 450Mbps | 2.4GHz: up to 300Mbps<br>5GHz: up to 867Mbps | 2.4GHz: up to 574Mbps<br>5GHz: up to 2402Mbps |
| MIMO | 2.4GHz: 2 x 2<br>5GHz: 1 x 1 | 2.4GHz: 2 x 2<br>5GHz: 2 x 2 | 2.4GHz: 2 x 2<br>5GHz: 2 x 2 |
| Antenna | 2.4GHz: 5dBi<br>5GHz: 5dBi | 2.4GHz: 5dBi<br>5GHz: 5dBi | 2.4GHz: 5dBi<br>5GHz: 5dBi |
| Frequency | 2.4GHz, 5GHz | | |
| Channel Width | 2.4GHz: 20/40MHz<br>5GHz: 20/40/80MHz | | |
| Max. TX power | 27dBm | 23dBm | 27dBm |
| **Software Features** | | | |
| Wireless Mode | Fit AP/Repeater/Wireless Router/WISP Mode (Default: Fit AP mode) | | |
| Network | LAN: Static IP, Dynamic IP<br>WAN: Static IP, Dynamic IP, PPPoE Client | | |
| Wireless | Wireless Disable or Enable<br>Modify SSID<br>SSID Hiding | | |

| Model | WI-AP315 | WI-AP317 | WI-AP316AX |
|---|---|---|---|
| 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<br>Supports SSID-to-VLAN mapping | | |
| Wi-Fi Schedule | Yes | | |
| RF Parameter | Adjustable Country<br>Auto Channel Width Selection<br>Automatic Frequency Selection<br>Adjustable Transmission Power<br>Max Associated STA (default: 128)<br>Weak Signal Rejection Threshold(default: -95dBm)<br>User Isolation(default: disabled)<br>Supports Wi-Fi Multimedia (WMM) | | |
| Advanced | Multiple SSID (Up to 8 per radio)<br>Ping Watchdog<br>Scheduled Reboot<br>DHCP Server<br>NTP Server<br>Diagnosis: PING, TRACERT | | |
| Status Monitoring | Base Info: LAN/WAN Info, Wireless Info,System Info<br>Radio Status<br>Real Time Flow Chart<br>Wireless Terminal Station<br>SSID List<br>DHCP Client<br>ARP Table<br>Routing Table | | |
| Management | Quickly scan devices by discovery tools<br>Web-based management by locally<br>Support remote management by cloud platforms and applications<br>Support AC management | | |

| Model | WI-AP315 | WI-AP317 | WI-AP316AX |
|---|---|---|---|
| Environment | Operating Temperature: −40℃ ~ 55℃(−40℉ ~ 131℉)<br>Storage Temperature: −40℃~70℃(−40℉ ~ 158℉)<br>Operating Humidity: 5% ~ 95% (non−condensing)<br>Storage Humidity: 5% ~ 95% (non−condensing) | | Operating Temperature:<br>−30℃ ~ 70℃(−22℉ ~ 158℉)<br>Storage Temperature:<br>−40℃ ~ 70℃(−40℉ ~ 158℉)<br>Operating Humidity:<br>5% ~ 95% (non−condensing)<br>Storage Humidity:<br>5% ~ 95% (non−condensing) |
| **Others** | | | |
| Certification | CE, FCC, RoHS, UKCA, RCM | | |
| Product Dimensions (L x W x H) | 315*145*80mm | 315*145*80mm | 182*103*55mm |
| Package Dimensions (L x W x H) | 350*170*130mm | 350*170*130mm | 300*233*80mm |
| Product Weight | 0.8kg | 0.8kg | 0.56kg |
| Package Weight | 1.2kg | 1.2kg | 0.97kg |

# Package Contents

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

| (For WI-AP315, WIAP317) | |
|---|---|
| Items | Quantity |
| AP | 1 pcs |
| Metal Strap | 1 pcs |
| Ethernet Cable | 1 pcs |
| Quick Installation Guide | 1 pcs |

| (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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