Datasheet

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 16MB Flash	128MB RAM 16MB Flash	512MB RAM 1GB Flash
Interface	2*10/100Mbps Base-T Ethernet Ports (WAN port supports 802.3af PoE Input)	2*10/100/1000Mbps Base-T Ethernet Ports (WAN port supports 802.3af/at PoE Input)	1*Gigabit Ethernet Port (supports IEEE 802.3at PoE Input) 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
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 5GHz: up to 450Mbps	2.4GHz: up to 300Mbps 5GHz: up to 867Mbps	2.4GHz: up to 574Mbps 5GHz: up to 2402Mbps
MIMO	2.4GHz: 2 x 2 5GHz: 1 x 1	2.4GHz: 2 x 2 5GHz: 2 x 2	2.4GHz: 2 x 2 5GHz: 2 x 2
Antenna	2.4GHz: 5dBi 5GHz: 5dBi	2.4GHz: 5dBi 5GHz: 5dBi	2.4GHz: 5dBi 5GHz: 5dBi
Frequency	2.4GHz, 5GHz		
Channel Width	2.4GHz: 20/40MHz 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 WAN: Static IP, Dynamic IP, PPPoE Client		
Wireless	Wireless Disable or Enable Modify SSID 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 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		

Model	WI-AP315	WI-AP317	WI-AP316AX
Environment	Operating Temperature: -40℃ ~ 55℃(-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)		Operating Temperature: -30℃ ~ 70℃(-22°F ~ 158°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)	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

Wireless-Tek Technology Limited

Address: Biaofan Technology Building 402, Bao'an street, Baoan District, Shenzhen City, Guangdong, China

©2023 Wireless-tek Technology Limited. All Rights Reserved.

Version, V1.0, updated 2023-12-19.

The information in this document is subject to change without notice.

Every effort has been made in the preparation of this document to ensure accuracy of the contents, but all statements, information, and recommendations in this document do not constitute a warranty of any kind, express or implied.