

Wi-Fi 5 Wireless Outdoor Access Point

WI-AP316

Overview

AP316 is a high-performance outdoor AP product using 2.4GHz and 5GHz dual-band design and 802.11a/b/g/n/ac protocol technology. The wireless processing speed can reach up to 1200Mbps. The power supply mode is flexible, supporting 24V POE power supply and 12V 1A DC local power supply. It adopts an outdoor IP65 windproof, rainproof, dustproof, and sun protection grade shell design, which can easily adapt to various harsh outdoor environments. Widely used in outdoor cafes, home backyards, outdoor swimming pools, parks, and school playground scenes.

Features

Ideal for Outdoor Environment

WI-AP316 IP65 weatherproof enclosure, outdoor Wi-Fi applications.

Multiple power supply methods

Supports passive PoE and 12V DC local power, you can use Ethernet cables to transfer both electrical power and network data, making deployment more flexible and removing the need to install additional power cabling.

Multi-SSID

Support QVLAN binding multi-SSID, bind different SSIDs to different TAG VLANs, set different SSIDs for different departments of the enterprise, realize the isolation between SSIDs, and flexibly control the access rights of wireless networks.

Fast Roaming

802.11kvr fast roaming provides fast switching to the access point with the optimal signal when moving between APs.

Cloud Management

Users can conduct the comprehensive remote operation, management, and maintenance of the entire network equipment through the Wi-Tek cloud platform, and can also share the network with a third party for network hosting and collaborative management, to operate and maintain the enterprise network more efficiently.

Dual LAN ports design

The device adopts the dual LAN ports design. Even for complex networking requirements, it can easily and quickly support the expansion of third-party devices, such as cameras, network devices, etc.

Support Fit AP and Fat AP Mode

The device supports both Fit AP and Fat AP mode. A wireless network can be formed with multiple APs, or it can be used as a wireless router when deployed independently. The device offers more flexible configurations, more abundant application features, and more extensive applicable scenarios.

Mesh Technology

Mesh technology enables wireless connectivity between access points for an extended range, making wireless deployments more flexible and convenient.



Specifications

Products	WI-AP316
Hardware Specifications	
Wireless Standards	802.11ac wave2/wave1 802.11n/b/g/a
Operating Bands	2.4GHz & 5GHz
Antenna	2.4GHz: 5dBi, 5GHz: 5dBi
Spatial Streams	2.4GHz: 2x2 MIMO 5GHz: 2x2 MIMO
Signal Rate	Up to 300 Mbps at 2.4GHz Up to 867 Mbps at 5GHz
Receiver Sensitivity	2.4GHz: 11n: -65dbm@MCS7, -88dbm@MCS0. 11g: -72dbm@54Mbps, -89.5dbm@6Mbps. 11b: -92dbm@11Mbps, -94dbm@1Mbps. 5GHz: 11a: -72dbm@54Mbps, -88dbm@6Mbps. 11n@HT20: -65dbm@MCS7, -87.5dbm@MCS0. 11ac@HT80: -55.5dbm@MCS9, -79dbm@MCS0.
Maximum Transmit Power	<23dbm
Interface	(2) 10/100 Base-T Ethernet ports
Power Supply	DC 12V/1A (Not Included) 24V Passive PoE
Power Consumption	<10W
Installation	Pole/Wall mounting
External buttons	reset button (long press for 8 seconds to restore the factory default configuration)
Dimensions	340mm * 85mm * 35mm
Environment	Operating Temperature: -40°C ~ 55°C Storage Temperature: -40°C ~ 70°C Operating Humidity: 5% ~ 95% (non-condensing) Storage Humidity: 5% ~ 95% (non-condensing)
Software Features	
Operating Mode	Fit AP, Fat AP
Wireless Function	Up to 16 SSIDs
	Support SSID hiding, enable/disable the wireless radio
	Manual and automatic channel assignment
	Manual and automatic bandwidth assignment
	TxPower control
	One-click mesh
Roaming	Support Layer 2 roaming
Wireless Security	Captive portal authentication Static blacklist and whitelist Wireless isolation between clients SSID to VLAN mapping Support 802.1X WPA/WPA2/PSK/WPA/WPA2-Enterprise
Internet Connection Type	Support Static IP, DHCP, PPPoE Dial-Up
Management	Support local management with web Support centralized management with AC Support remote management with the Wi-Tek cloud platform
Platform Management Features	Automatic RF adjustment via the platform Unified configuration via the platform Unified monitoring via the platform



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Technical Support



Cloud Management



Company Website