Wi-Tek
Communication Solution

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Wi-Fi 5 In-Wall Wireless Access Point
WI-AP416

Overview

WI-AP416 is a high-performance AP suitable for indoor wall-mounted Wi-Fi coverage scenarios. This device supports 802.3af PoE for easier deployment. The dual-interface design makes it easy to expand network devices and meet the needs of more networking scenarios. It can achieve 2.4GHz and 5GHz dual-band coverage at the same time. Both dual bands provide two spatial stream access rates. The connection rate of the whole machine can reach 1200Mbps, providing users with a high-speed network experience. , making it suitable for a variety of wireless scenarios, especially hotel, apartment, office scenarios, etc.

Features

Dual-Band 802.11AC 1200Mbps
Simultaneous 300 Mbps on 2.4 GHz and 900 Mbps on 5 GHz totals 1200 Mbps Wi-Fi speeds.

PoE Power Supply
With IEEE 802.3af PoE, 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.

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
It is useful to extend IP camera or any other IP-based devices.

Support Fit AP and Fat AP Mode
The device supports both Fit AP and Fat AP modes. 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.

Easy Installation
Easy to install the structure, compatible with 86 mm and EU and US standard junction boxes.

Specifications

Products	WI-AP416
Hardware specifications	
Wireless Standards	802.11ac wave2 802.11n/b/g/a
Operating Bands	2.4GHz & 5GHz
Antenna	2.4Ghz:2dBi, 5GHz: 2dBi
Spatial Streams	2.4GHz: 2x2 MIMO 5GHz: 2x2 MIMO
Signal Rate	Up to 300Mbps at 2.4GHz Up to 900Mbps at 5GHz
Receiver Sensitivity	2.4GHz 802.11b: -82dBm@11Mbps -94dBm@1Mbps 802.11g: -72dBm@54Mbps -90dBm@6Mbps 802.11n HT20: -70dBm@MCS7 -88dBm@MCS0 802.11n HT40: -68dBmMCS7 -86dBm@MCS0 5GHz 802.11a: -72dBm@54Mbps -90dBm@6Mbps 802.11n HT20: -70dBm@MCS7 -88dBm@MCS0 802.11n HT40: -68dBm@MCS7 -86dBm@MCS0 802.11ac HT80: -58dBm@MCS9 -82dBm@MCS0
Maximum Transmit Power	<20dbm
Interface	(2)10/100M Base-T Ethernet ports
Power Supply	802.3af PoE Supported
Power Consumption	<8W
Installation	Wall Mounting
External buttons	reset button (long press for 8 seconds to restore the factory default configuration)
Dimensions	87mm * 86mm * 35.8mm
Environment	Operating Temperature: -20℃~55℃ Storage Temperature: -40℃~70℃ Operating Humidity: 5%~95% (non-condensing) Storage Humidity: 5%~95% (non-condensing)
Software Features	
Operating Mode	Fit AP, Fat AP, Repeater, WISP mode
Wireless Function	Up to 16 SSIDs
	Support SSID hiding, Enable/Disable Wireless Radio
	RF Parameter setting
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
Routing	Support static IP, DHCP, PPPoE Dial-Up
Management	Support local management with web Support remote management with Wi-Tek Cloud platform
Platform Management Features	Automatic RF adjustment via the platform Unified configuration via the platform Unified monitoring via the platform

Package Content

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

Items	Quantity
WI-AP416	1 pcs
Screw	2 pcs
Quick Installation Guide	1 pcs

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