

# In-Wall Wireless Access Point

WI-AP415

## Overview

The Wi-Tek Dual-Band In-Wall AP is a wall panel AP. Support 802.3af PoE, AP built-in LAN port, easily expand IP phone, etc., can work at 2.4GHz and 5GHz at the same time, provide 2.4GHz 300Mbps, 5GHz 443Mbps, up to 743Mbps high-speed wireless access to AP. The compact and sophisticated 86mm wall mount design can be easily installed directly into a standard 86mm wall mount junction box, ideal for office, hotel and service scenario deployments. In addition, the wireless in-wall AP also supports cloud management functions. Users can quickly complete network-wide device deployment, configuration, remote management, and operation and maintenance, greatly reducing equipment costs, labor costs, and time costs for wireless network construction.

## Features

### Dual-Band 802.11AC 750Mbps

Simultaneous 300 Mbps on 2.4 GHz and 443 Mbps on 5 GHz totals 750 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.

### 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.

### 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 a dual LAN port design easily and quickly support the expansion of third-party devices, such as camera, network devices, etc.

### Easy Installation

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



# Specifications

Products	WI-AP415
Hardware specifications	
Wireless Standards	802.11ac wave1 802.11n/b/g/a
Operating Bands	2.4GHz & 5GHz
Antenna	2.4Ghz:2dBi, 5GHz: 2dBi
Spatial Streams	2.4GHz: 2x2 MIMO 5GHz: 1x1 MIMO
Signal Rate	Up to 300Mbps at 2.4GHz Up to 450Mbps at 5GHz
Receiver Sensitivity	2.4GHz 802.11b: -85dBm@11Mbps -94dBm@1Mbps 802.11g: -72dBm@54Mbps -90dBm@6Mbps 802.11n Ht20: -70dBm@MCS7 -88dBm@MCS0 802.11n Ht40: -68dBm@MCS7 -86dBm@MCS0 5GHz 802.11a: -74dBm@54Mbps -90dBm@6Mbps 802.11n HT20: -72dBm@MCS7 -88dBm@MCS0 802.11n HT40: -68dBm@MCS7 -85dBm@MCS0 802.11ac HT80: -58dBm@MCS9 -80dBm@MCS0
Maximum Transmit Power	<20dbm
Interface	(2)10/100M Base-T Ethernet ports
Power Supply	802.3af PoE Supported
Power Consumption	< 6W
Installation	Wall Mounting
External buttons	reset button (long press for 8 seconds to restore the factory default configuration)
Dimensions	86mm * 86mm * 35mm
Environment	Operating Temperature: -20°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, 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



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Technical Support



Cloud Management



Company Website