

WiFi 4/5 Wireless Ceiling Mount Access Point

WI-AP210 | WI-AP215 | WI-AP217

Overview

Wi-Tek wireless series ceiling AP is a high-performance ceiling AP suitable for indoor large-area Wi-Fi coverage scenarios. The device supports 802.3af PoE and a 12V DC local power supply. The dual LAN port design facilitates the expansion of third-party devices and meets the needs of more networking scenarios. The coverage of more than 20 meters makes it an ideal choice for many wireless scenarios, especially office, commercial industry, hotel, service scenarios, etc. In addition, the wireless AP also supports cloud management functions. Users can quickly complete network-wide equipment deployment, configuration, remote management, and operation and maintenance, greatly reducing equipment costs, labor costs, and time costs for wireless network construction.

Features

Multiple power supply methods

Supports 802.3af PoE and 12V DC local power, Flexible power supply options for different installation environments.

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

802.11k and 802.11v fast roaming provide seamless 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 Multiple Working Modes

The device supports Fit AP/Fat AP/Repeat/WISP multiple working modes, the configuration is more flexible, the application features are more abundant, and the application scenarios are more extensive.



Specifications



| Products | WI-AP210 | WI-AP215 | WI-AP217 |
|--------------------------|--|--|---|
| Hardware Version | | | |
| Wireless Standards | 802.11n/b/g/a | 802.11ac wave1 802.11n/b/g/a | 802.11ac wave2 802.11n/b/g/a |
| Operating Bands | 2.4GHz | 2.4GHz & 5GHz | 2.4GHz & 5GHz |
| Antenna | 2.4GHz: 3.5dBi | 2.4GHz:3.5dBi, 5GHz: 4dBi | 2.4GHz:5dBi, 5GHz: 5dBi |
| Spatial Streams | 2.4GHz: 2x2 MIMO | 2.4GHz: 2x2 MIMO 5GHz: 1x1 MIMO | 2.4GHz: 2x2 MIMO 5GHz: 2x2 MIMO |
| Signal Rate | Up to 300Mbps at 2.4G | Up to 300Mbps at 2.4G Up to 450Mbps at 5G | Up to 300Mbps at 2.4G Up to 867Mbps at 5G |
| Receiver Sensitivity | 2.4GHz: 802.11n: -70dbm@MCS7 -88dbm@MCS0. 802.11g: -72dbm@54Mbps -90dbm@6Mbps. 802.11b: -85dbm@11Mbps -94dbm@1Mbps. | 2.4GHz 802.11n: -70dBm@MCS7 -88dBm@MCS0. 802.11g: -72dBm@54Mbps -90dBm@6Mbps. 802.11b: -85dBm@11Mbps -94dBm@1Mbps. 5GHz 802.11a: -72dBm@54Mbps -90dBm@6Mbps. 802.11n: -70dBm@MCS7 -88dBm@MCS0. 802.11ac: -60dBm@MCS9 -85dBm@MCS0. | 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: -72dBm@54Mbps -90dBm@6Mbps 802.11n Ht20: -70dBm@MCS7 -88dBm@MCS0 802.11n Ht40: -68dBm@MCS7 -86dBm@MCS0 802.11ac Ht80: -58dBm@MCS9 -80dBm@MCS0 |
| Maximum Transmit Power | <27dbm | <27dbm | <27dbm |
| Interface | (2)10/100M Base-T Ethernet ports | (2)10/100M Base-T Ethernet ports | (2)10/100/1000M Base-T Ethernet ports |
| Power Supply | DC 12V/1A (Not Included) 802.3af PoE Supported | DC 12V/1.5A (Not Included) 802.3af PoE Supported | DC 12V/1A (Not Included) 802.3af PoE Supported |
| Power Consumption | <10W | <12W | <12W |
| Installation | Wall/Ceiling Mounting | | |
| External Buttons | reset button (long press for 8 seconds to restore the factory default configuration) | | |
| Dimensions | 188mm * 188mm * 35mm | 188mm * 188mm * 35mm | 188mm * 188mm * 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) | Operating Temperature: -40°C~55°C Storage Temperature: -40°C~70°C Operating Humidity: 5%~95% (non-condensing) Storage Humidity: 5%~95% (non-condensing) | Operating Temperature: -30°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 8 SSIDs | Up to 16 SSIDs | Up to 16 SSIDs |
| | Support SSID hiding, Enable/Disable Wireless Radio | | |
| | RF Parameter setting | | |
| Roaming | Support Layer 2 roaming | | |

| Software Features | |
|------------------------------|---|
| 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