

Wi-Fi 5 Wall-Plate Wireless Access Point

WI-AP416 | WI-AP417P



Overview

Using the IEEE 802.11ac Wi-Fi standard, the Wall-Plate AP delivers faster wireless speed. Adopting 86 type wall mount junction design, the AP can perfectly blend into existing decoration without any damage. Supporting 802.3af/at PoE Input, the AP makes deployment more flexible. 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

MU-MIMO Technology

Adopting MU-MIMO technology, the Wall-Plate AP can provide faster wireless speed and enable more accesses to the multiple devices at the same time, enhancing the user's online experiences.

Ultra-Fast Speed

Adopting 802.11ac Wi-Fi protocol, the Wall-Plate AP provides combined wireless speed of up to 1200Mbps(for WI-AP416), 1300Mbps(for WI-AP417P), bringing smooth internet experience to the users.

802.3af/at PoE Input

Adopting 802.3af/at PoE Input can enable Ethernet port to carry data and power simultaneously via one cable, eliminating the need for additional power outlets and making deployment easy and flexible.

Easy Installation

With compact and delicate 86mm wall-mounted design, the Wall-Plate AP can be easily installed directly into 86mm and Standard US/EU wall junction box.

Multi-service access

(For WI-AP417P)

Support IPTV and VOIP data transmission, meeting the requirements for multi-service access.

Fast Roaming

The Wall-Plate AP supports fast roaming which realizes the switching between APs in milliseconds. 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-AP416 | WI-AP417P |
|-------------------------|--|---|
| Hardware Version | V1 | V1 |
| Hardware Features | | |
| Memory | 64MB RAM 16M Flash | 128MB RAM, 16MB Flash |
| Interface | 2*10/100Mbps Base-T Ethernet Ports (WAN port supports 802.3af PoE Input) | 1*10/100/1000Mbps Base-T WAN Port 4*10/100/1000Mbps Base-T LAN Ports |
| Button | 1*Reset Button | |
| Power Supply | 802.3af PoE Input | 802.3af/at PoE Input |
| Power Consumption (Max) | 8W | 10W |
| Wireless Features | | |
| Standards | IEEE 802.11a/b/g/n/ac | |
| Max/Recommended Clients | 80/48 | 100/64 |
| Data Rates | 2.4GHz: up to 300Mbps 5GHz: up to 900Mbps | 2.4GHz: up to 400Mbps 5GHz: up to 867Mbps |
| MIMO | 2.4GHz: 2 x 2 5GHz: 2 x 2 | 2.4GHz: 2 x 2 5GHz: 2 x 2 |
| Antenna | 2.4GHz: 2dBi 5GHz: 2dBi | 2.4GHz: 2dBi 5GHz: 2dBi |
| Frequency | 2.4GHz, 5GHz | |
| Channel Width | 2.4GHz: 20/40MHz 5GHz: 20/40/80MHz | |
| Max. TX power | 20dBm | 17dBm |
| Coverage Range | 40m ² | 60m ² |
| | Note: Data is acquired in an unobstructed ideal environment. Signal coverage radius depends on client performance and environmental interference. | |



| Model | WI-AP416 | WI-AP417P |
|-------------------|---|-----------|
| Software Features | | |
| Wireless Mode | Fit AP/Fat AP (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 | |
| Wireless Security | WPA-TKIP , WPA2-AES, WPA1/WPA2-Mixed, WPA-Enterprise, WPA2-Enterprise | |
| 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-AP416 | WI-AP417P |
|-----------------------------------|---|---|
| Environment | Operating Temperature: -20°C ~ 55°C(-4°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: -10°C ~ 55°C(14°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) |
| Others | | |
| Certification | CE, FCC, RoHS, UKCA, RCM | |
| Product Dimensions (L x W x H) | 86*86*35mm | 112*86*50mm |
| Package Dimensions (L x W x H) | 130*120*70mm | 165*165*56mm |
| Product Weight | 0.1kg | 0.18kg |
| Package Weight | 0.21kg | 0.3kg |



| Model | | WI-AP416 |
|---------------------------------------|-----------------|------------------|
| Fast-Roaming AP Combo Recommendations | | |
| Type | Model | Hardware Version |
| Ceiling-Mount | WI-AP210-Lite | V2 |
| | WI-AP210-Lite | V1 |
| | WI-AP216 | V2 |
| | WI-AP216 | V1 |
| | WI-AP217-Lite | V2 |
| | WI-AP218AX-Lite | V2 |
| | WI-AP219AX-Lite | V2 |
| Wall-Plate | WI-AP416 | V1 |
| | WI-AP417P | V1 |
| Outdoor | WI-AP310-Lite | V1 |
| | WI-AP316 | V1 |
| | WI-AP316AX-Lite | V1 |

Package Contents

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

| Items | Quantity |
|--------------------------|----------|
| AP | 1 pcs |
| Screws | 2 pcs |
| Quick Installation Guide | 1 pcs |



Wireless-Tek Technology Limited

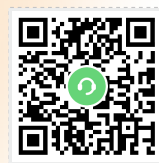
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Technical Support



Cloud Management



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