# IP-COM
## World Wide Wireless

# Pro-6-IW
## AX3000 Wi-Fi 6 Wireless In-Wall Access Point

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## Product Description

Pro-6-IW is a Gigabit dual-band panel AP based on the new Wi-Fi 6 standard. It realizes a bandwidth of 160 MHz and a wireless rate of 3000 Mbps, which is twice that of ordinary Wi-Fi6 products. The fast roaming feature enables the AP to automatically select a better quality wireless network. With just one Ethernet cable, you can enjoy both wireless and wired networks. Pro-6-IW is a wise choice for you to deploy high-performance WLAN network for the double-sided tape installation method it added.

# Key Features

- Support k/v/r fast roaming
- Support IPTV penetration
- Traffic control function
- Double-sided tape installation
- 3000 Mbps Wireless rate
- Support Mesh technology

# Product Features

## Support k/v/r fast roaming, seamless Wi-Fi switching

Support roaming agreement, the AP automatically discovers and switches wireless networks with better quality, making network switching smoother.

## IPTV penetration supported, strong anti-interference capability

The AP supports IPTV and provides a wired Ethernet port that is isolated from the wireless network. With one Ethernet cable, users can enjoy wireless network and network TV at the same time, eliminating the worry of purchasing IPTV services and network services together.

## 3 Gbps high-speed Wi-Fi, 2.5 times higher rate

Both the 2.4 GHz and the 5 GHz radio bands support the new Wi-Fi 6 standard. Applying higher-standard hardware equipment, the concurrent Wi-Fi rate is as high as 3 Gbps, 2.5 times that of the latst-generation of AP (AC1200).

## Mesh technology supported, rapid deployment and installation

Pro-6-IW automatically detects peripheral devices and rapidly forms a network when powered on, and completes the deployment and installation of multiple devices in 2 minutes without smashing walls for wiring.

# Product Features

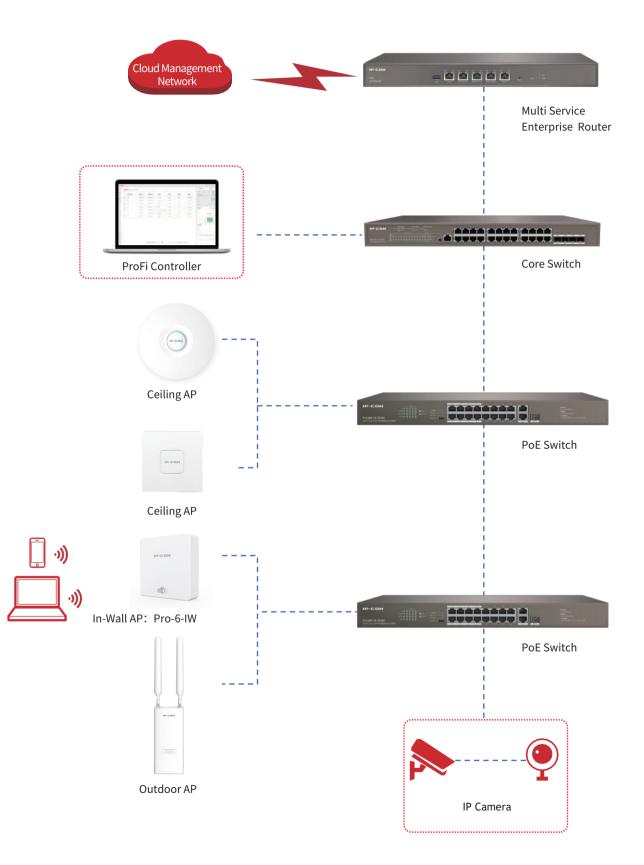### Double-sided tape installation, saving time and effort

With the double-sided tape on the back of the AP, users can directly stick it on the wall with a cassette, avoiding the use of screwdrivers and damage to the wall.

### Traffic control to improve user online experience

By controlling the uplink and downlink rates, Pro-6-IW avoids the slow network speed of wireless clients when uploading or downloading large files, balances the network speed and improves the user experience.

# Application Scenarios



Cloud Management Network

Multi Service Enterprise Router

ProFi Controller

Core Switch

Ceiling AP

PoE Switch

Ceiling AP

In-Wall AP：Pro-6-IW

PoE Switch

Outdoor AP

IP Camera

Pro-6-IW          AX3000 Wi-Fi 6 Wireless In-Wall Access Point

# Specifications

| Product Information | |
|---|---|
| Model | Pro-6-IW |
| Category | In Wall |
| Dimensions | 86*86*32 mm |
| **Hardware Specifications** | |
| Frequency band | 2.4 GHz, 5 GHz |
| Wireless standards | IEEE 802.11a/b/g/n/ac/ax |
| 2.4 GHz data rate | 1-574 Mbps |
| 5 GHz data rate | 6-2402 Mbps |
| Channel width | 20 MHz/40 MHz/80 MHz/160 MHz |
| MU-MIMO | 2X2 MU-MIMO |
| Ethernet port | One 10/100/1000 Mbps LAN Port (PoE)<br>One 10/100/1000 Mbps LAN Port |
| Button | 1*Reset |
| LED indicator | Bi-Color LEDs |
| Max. power consumption | 8.5W |
| Power supply standard | IEEE 802.3af PoE, DC 12V 1A |
| Connected clients | 256 |
| 2.4 GHz Antenna gain | 4 dBi |
| 5 GHz Antenna gain | 5 dBi |
| 2.4 GHz Max. output power | 21.5+/-1.5 dBm |
| 5 GHz Max. output power | 23.5+/-1.5 dBm |
| 2.4 GHz 802.11b RX sensitivity | -95.5 dBm |
| 2.4 GHz 802.11n (MCS7) RX sensitivity | -72.5 dBm |
| 5 GHz 802.11a RX sensitivity | -97.5 dBm |
| 5 GHz 802.11n (MCS7) RX sensitivity | -77.5 dBm |

# Specifications

| Software Specifications | |
|---|---|
| Operating mode | AP, Client+AP |
| Hide SSID | Supported |
| Max. No. of SSID | 2.4 GHz: 8<br>5 GHz: 8 |
| OFDMA | Supported |
| Beamforming | Supported |
| TWT | Supported |
| 802.11k/v/r | Supported |
| WEP | Supported |
| WPA-PSK | AES/TKIP |
| WPA2-PSK | AES/TKIP |
| WPA3-SAE | AES |
| WPA | Supported |
| WPA2 | Supported |
| Access control | MAC address-based |
| Adjustable power transmit | Supported |
| Frequency analysis | Supported |
| AP isolation | Supported |
| Connected clients control | Supported |
| Weak Signal Client Limitation | Supported |
| Prefer 5 GHz | Supported |
| WMM | Supported |
| VLAN tagging for SSID | Supported |
| LED indicator control | Supported |
| Diagnostics tool | Ping |
| Scheduled reboot | Supported |
| Reboot at specified interval | Supported |

# Specifications

| Software Specifications | |
| --- | --- |
| Device management | Web management, controller management, cloud platform management, APP management |
| System logs | Supported |
| Firmware Upgrade | Local and AC upgrade |
| Reboot | Local and AC reboot |
| Reset | Local and AC reset |
| Backup configuration | Supported |
| Restore configuration | Supported |

| Operating Environment | |
| --- | --- |
| Default login IP address | 192.168.0.254 |
| Default user name | admin |
| Default password | admin |
| Operating temperature | -10℃ - 40℃ |
| Operating humidity | (10% - 90%) RH, non-condensing |
| Storage temperature | -30℃ - 70℃ |
| Storage humidity | (5% - 90%) RH, non-condensing |

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