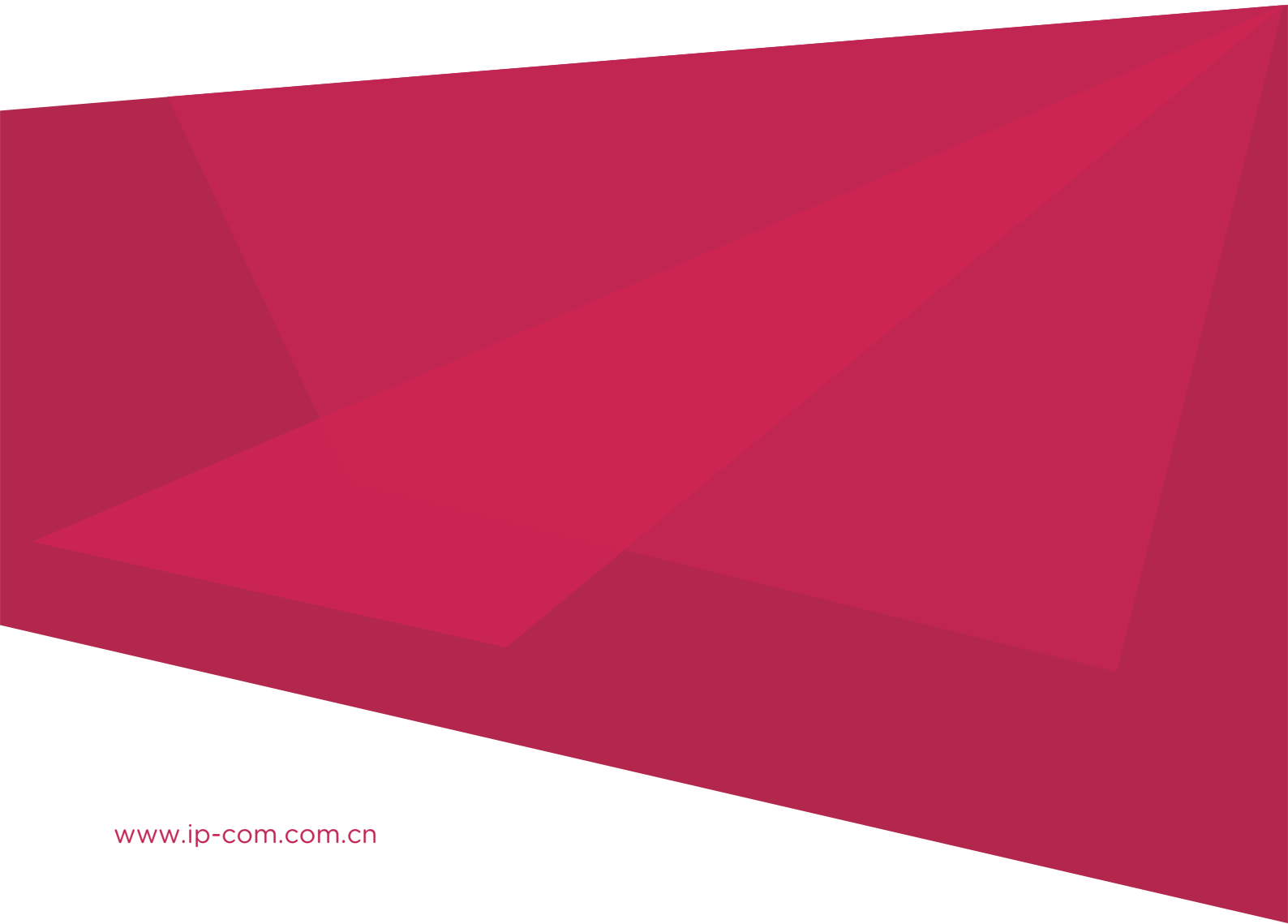
IP-COM
World Wide Wireless

# W36AP

## AC1200 Dual Band Gigabit In-Wall Access Point



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# W36AP

## AC1200 Dual Band Gigabit In-Wall Access Point

## Product Introduction

The AC1200 Dual Band Gigabit In-Wall Access Point (AP) is an IP-COM high-performance wireless access point designed for hotel rooms, villas, large apartments, KTV compartments and other places. Compliant with IEEE 802.11ac protocol and Wave 2 standard, and featured with the MU-MIMO technology, APs of this series support a dual-band concurrent wireless speed of up to 1167 Mbps. Adoption of the standard 86 mm x 86 mm in-wall design enables that the AP can be installed in any in-wall electrical boxes of 86 mm x 86 mm and 75 mm x 75 mm. Elegant and exquisite appearance goes well with the interior decoration design of the room. With the assistance of the existing in-wall electrical box structure, the AP helps you deploy your wireless networks easily, freeing you from time-consuming networking, and effectively addressing the weak WiFi signal problem in guest rooms.

# Key Features

- Multicolor decals for colorful AP panels.
- Up to 1167 Mbps dual-band concurrent wireless speed.
- 86 mm x 86 mm in-wall design, ultra-thin shell and fashionable appearance.
- Standard PoE power supply supported, making installation easier.
- Central management of IP-COM full system AC and enterprise router supported.

# Product Features

## Colorful panel pastes, a perfect match for the installation environment

Multicolor panel decals make the AP go well with the installation environment.

## Standard 86 mm x 86 mm design for easy installation

The standard 86 mm x 86 mm design and elegant appearance make the AP go well with various interior decoration.


## Complaint with IEEE 802.11ac and WAVE2.0

Featured with the MU-MIMO technology, a single AP can communicate with multiple wireless terminals at the same time, significantly improving the throughput of multi-user concurrency and enhancing user experience.

## Built-in omni-directional antennas

With the optimized built-in high-gain omni-directional antennas, W63AP outperforms in radiating wireless signals, and greatly broadens its wireless coverage.

# Product Features


## 2.4 GHz and 5 GHz concurrency for a higher capacity

With both pure 5 GHz band with less interference and 2.4 GHz band with stronger compatibility and longer transmission distance, the AP allows 2.4 GHz and 5 GHz wireless terminals to access at the same time, ensuring more wireless clients to access. The single AP has more than three times capacity of the traditional single band AP.


## Spectrum navigation (5 GHz priority), an escort for network performance

The AP intelligently enables the wireless clients to connect to 5 GHz wireless network in priority, ensuring load balancing at dual bands and improving the wireless performance.

## Precise RF signal optimization, a guarantee of 2-room WiFi coverage without dead zone

With the independent RF chip, the AP separates the power supply part and WiFi signal processing part, completely avoiding the interference of the power magnetic field on the WiFi signal. Boosted by the high-performance antenna, the AP can cover two side-by-side hotel rooms with full WiFi.

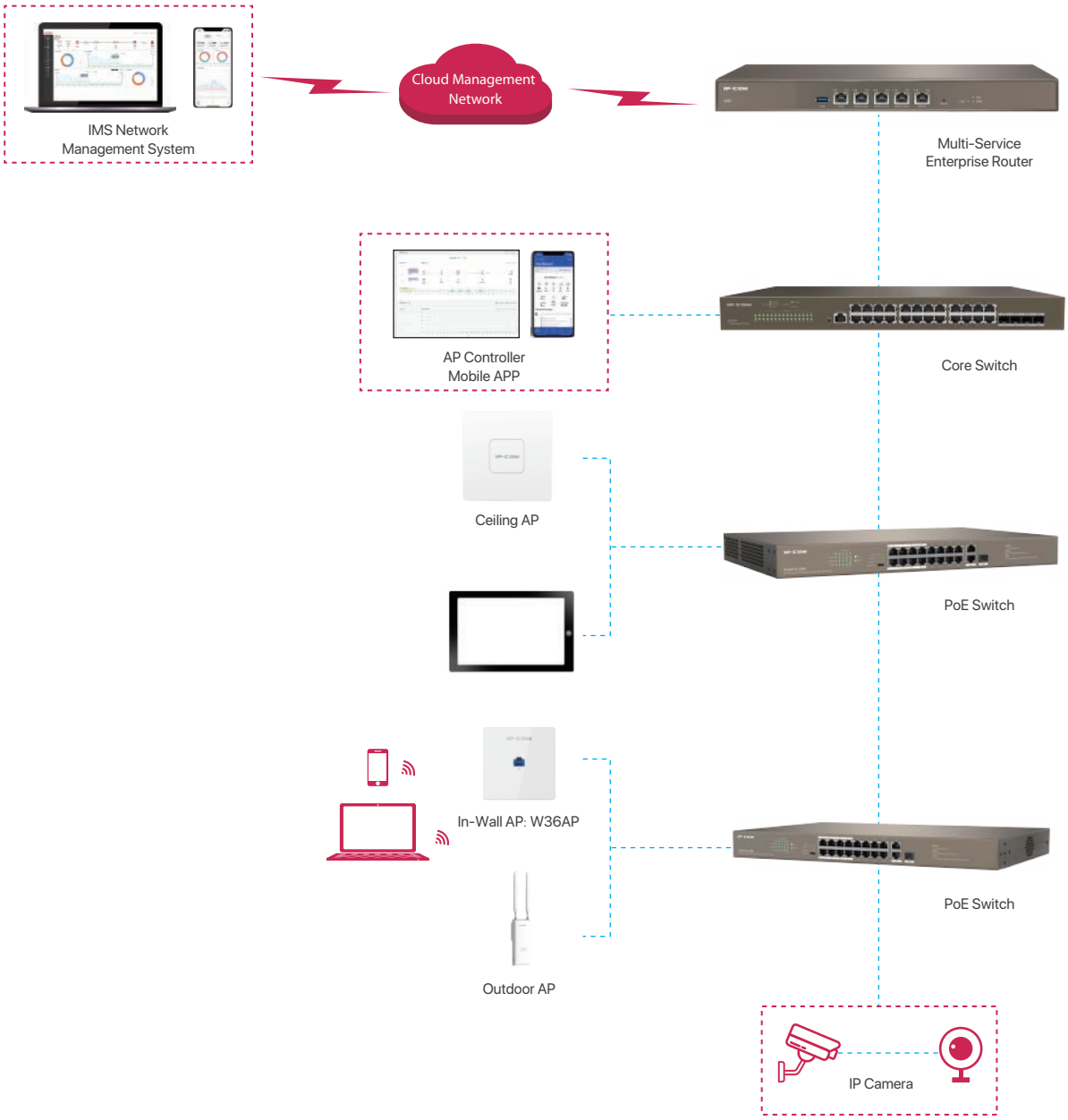

## Standard PoE power supply, an assurance of easy AP upgrade and installation

The AP can be powered by the PoE devices. With an Ethernet cable, the AP can be powered and transmit data at the same time. The maximum power supply distance of up to 100 meters enables the AP to be installed easily in hotels or your houses without breaking the existing power line layout.

## Supporting unified configuration and management

The AP supports the unified management and configuration of IP-COM ACs and enterprise routers, enabling the network administrators to manage, configure and monitor all APs conveniently.

# Application Scenarios



# Packaging

| Product Information | |
|---|---|
| Model | W36AP |
| Product Appearance | In-wall access point |
| Product Dimension | 86mm* 86mm* 32 mm |
| Application Scenarios | WiFi coverage for large-sized apartments/villas/hotel rooms |
| **Hardware Specifications** | |
| Working Frequency Band | 2.400-2.4835 GHz, 5.15 0 -5.250 GHz |
| Wireless Protocol Standard | IEEE 802.11a/b/g/n/ac |
| 2.4 GHz Access Rate | 1-300Mbps |
| 5 GHz Access Rate | 6-867Mbps |
| 2.4 GHz Maximum Connections | 128 |
| 5 GHz Maximum Connections | 128 |
| Ethernet Port | 2 10/100/1000 Base TX ports |
| Reset Button | 1 reset button |
| LED Indicators | 1 x SYS LED indicator and 1 x LAN LED indicator |
| Power Consumption of the Whole Device | Full load 7.8 W |
| Power Supply Mode | IEEE 802.3af |
| 2.4 GHz Antenna Gain | 4 dBi |
| 5 GHz Antenna Gain | 4 dBi |
| 2.4 GHz Output Power | 20+/-1.5 dBm |
| 5 GHz Output Power | 16+/-1.5 dBm |
| 11b 1 Mbps Received Sensitivity | -95 dBm |
| 11n MCS7 Received Sensitivity | -73 dBm |
| 11a 6 Mbps Received Sensitivity | -93 dBm |
| 11ac MCS7 Received Sensitivity | -75 dBm |
| **Hardware Specifications** | |
| Operating Mode | AP, Client + AP |
| SSID Hide | Supported |
| 2.4 GHz SSID Number | 8 |
| 5 GHz SSID Number | 4 |
| Chinese SSID | Supported |

# Packaging

| | |
|---|---|
| WEP | 64/128 bit encryption supported |
| WPA-PSK | AES/TKIP |
| WPA2-PSK | AES/TKIP |
| WPA | Supported |
| WPA2 | Supported |
| Wireless Access Control | MAC address-based filtering supported |
| TX Power Adjustment | Supported |
| SSID Isolation | Supported |
| AP Isolation | Supported |
| Wireless User Access Limit | Supported |
| Weak Signal Client Access Limit | Supported |
| WMM | Supported |
| 5 GHz Band Navigation (5 GHz Priority) | Supported |
| Multicast to Unicast | Supported |
| Detection Broadcast Message Reply Inhibition | Supported |
| Access Control | Supported |
| VLAN and SSID Binding | Supported |
| LED Control | Supported |
| Diagnostic Tool | ping |
| Timed Reboot | Supported |
| Cyclic Reboot | Supported |
| Device Management | Web management |
| Uplink Detection | Supported |
| Hardware Watchdog | Supported |
| Remote Log Management | Supported |
| Logs | System log |
| Firmware Upgrade | Local upgrade and upgraded by AC |
| Reboot | Local reboot and rebooted by AC |
| Reset | Local reset and reset by AC |
| Backup | Supported |
| Restore | Supported |
| AC Management | AC1000/AC2000/AC3000 supported |

# Packaging

| Wireless ceiling AP | |
|---|---|
| Default Login IP Address | 192.168.0.254 |
| Default User Name | admin |
| Default User Name | 192.168.0.254 |
| Operating Temperature | -10°C to 45°C |
| Operating Humidity | 10% - 90% RH (non-condensing) |
| Storage Temperature | -30°C to 70°C |
| Storage Humidity | 10% - 90% RH (non-condensing) |

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