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W12

AC1200 Dual Band Gigabit In-Wall Access Point

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Product Overview

The AC1200 Dual Band Gigabit In-Wall Access Point (AP) is an TENDA 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 Tenda full system AC and IPv4,IPv6 Supported

Main 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.



2.4 GHz and 5.7 GHz concurrency for a higher capacity

With both pure 5.7 GHz band with less interference and 2.4 GHz band with stronger compatibility and longer transmission distance, the AP allows 2.4 GHz and 5.7 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.

Main Features



Spectrum navigation (5.7 GHz priority), an escort for network performance

The AP intelligently enables the wireless clients to connect to 5.7 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 TENDA ACs and enterprise routers, enabling the network administrators to manage, configure and monitor all APs conveniently.

Specification

Product Information	
Product Model	W12
Product Appearance	In-wall access point
Product Dimension	86*86*32mm
Application Scenarios	WiFi coverage for large-sized apartments/villas/hotel rooms
Software Specifications	
Working Frequency Band	2.400 — 2.483 GHz, 5.725 — 5.875 GHz
Wireless Protocol Standard	IEEE 802.11a/b/g/n/ac
2.4 GHz Access Rate	1-300Mbps
5.7 GHz Access Rate	6-867Mbps
2.4 GHz Maximum Connections	128
5.7 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	Full load 7.8 W
Power Supply Mode	IEEE 802.3af
2.4 GHz Antenna Gain	4dBi
5.7 GHz Antenna Gain	4dBi
2.4 GHz Output Power	18+/-1.5dBm
5.7 GHz Output Power	16+/-1.5dBm
11b 1 Mbps Received Sensitivity	-95dBm
11n MCS7 Received Sensitivity	-73dBm
11a 6 Mbps Received Sensitivity	-93dBm
11ac MCS7 Received Sensitivity	-75dBm

Specification

Software Specifications	
Operating Mode	AP,Client+AP
SSID Hide	Supported
2.4 GHz SSID Number	8
5.7 GHz SSID Number	4
Diagnostic Tool	ping
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
5.7 GHz Band Navigation	Supported
Multicast to Unicast	Supported
Detection Broadcast Message Reply Inhibition	Supported
Access Control	Supported
VLAN and SSID Binding	Supported
LED Control	Supported

Specification

Timed Reboot	Supported
Cyclic Reboot	Supported
Device Management	Web
Uplink Detection	Supported
Hardware Watchdog	Supported
Remote Log Management	Supported
Logs	Supported
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	Supported
Operating Environment	
Default Login IP Address	192.168.0.254
Default User Name	admin
Default password	admin
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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