

**Tenda**



All for better networking.

**W13**

AX1500 Dual-Band Gigabit Wi-Fi 6 In-Wall AP

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# W13

## AX1500 Dual-Band Gigabit Wi-Fi 6 In-Wall AP

### Product Introduction

W13 is a Gigabit dual-band In-Wall AP built based on the new Wi-Fi 6 standard. The wireless rate of the whole machine is up to 1500Mbps. It supports fast roaming and can automatically select a wireless network with better quality. It supports one-click wireless network optimization to simplify network debugging steps. It also supports remote management and maintenance.

## Key Features

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- 2.4G/5G dual-band concurrent, wireless rate up to 1500Mbps
- Supports one-click wireless optimization
- Supports fast roaming;
- Supports remote management

## Product Features

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### 1500M wireless access speed

Adopting the new generation Wi-Fi 6 technology, with 2.4G/5G concurrency and a wireless speed of up to 1500Mbps, compared to mainstream Wi-Fi 5 AC1200 ceiling mounted APs, the speed has increased by 38%. Simultaneously equipped with multiple wireless technologies such as OFDMA and MU-MIMO, it supports access to more terminal devices and enables multiple terminal devices to access the internet at high speed with lower latency.



### Mainstream colors + frosted shading design

Carbon black, classic white, champagne gold, deep space gray, titanium space silver are five mainstream colors, classic and steady, versatile, and can be easily integrated into various decoration styles, suitable for villas/large flats/hotels, etc. The appearance design is simple and generous, with metal frosting technology, the texture is delicate and rich, making the decoration more beautiful.



### 10mm ultra-thin "seamless wall-mounted" design

The new generation of ultra-thin Wi-Fi 6 panel AP protrudes from the wall with a thickness of only 10mm, which is almost flush with ordinary switches and sockets. When installed on the wall, it can be integrated with the wall. It is beautiful and elegant without appearing abrupt, fully interpreting the design concept of "thin in shape and integrated into the wall".



### Seamless roaming throughout the house, no switching during movement

The whole house has a unified WiFi name. When you walk around the house, your Internet device automatically connects to the AP node with the best signal, and the switching delay is as low as 50ms. Whether you are playing games or watching videos, you can move freely between different rooms and play while walking without any lag in games or videos.

# Product Features

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## 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 RFchip, 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.



## Support standard PoE power supply

Supports 802.3af standard PoE network cable power supply, no external power supply is required, a network cable connected to the switch can achieve PoE power supply and data transmission, plug and play, no need to consider the socket position, power line routing, the maximum power supply distance can reach 100m, the wiring is neat and beautiful, and the networking is flexible.



## 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.

## Packaging

Product Information	
Model	W13
Category	In-wall
Dimension	86*86*32mm
Hardware Specifications	
Interface	One 10/100/1000 Mbps Ethernet Port One 10/100/1000 Mbps Ethernet Port (PoE)
Button	1*Reset
LED indicator	1*SYS
Maximum Power Consumption	6.8W
Power Supply	PoE 802.3af
Max. Number of Clients	256
Recommended Clients	40
Antenna	4*4dBi
2.4GHz maximum power	11b mode, transmit power $17 \pm 1.5$ dBm 11g mode, transmit power $17 \pm 1.5$ dBm 11n mode, MCS7 transmit power $14 \pm 1.5$ dBm
5GHz maximum power	11a mode, transmit power $16 \pm 1.5$ dBm 11n mode, MCS7 transmit power $14 \pm 1.5$ dBm 11ac mode, MCS9 transmit power $14 \pm 1.5$ dBm 11ax mode, MCS11 transmit power $12 \pm 1.5$ dBm
Reception Sensitivity	2.4GHz 802.11b -95dBm 2.4GHz 802.11n (MCS7) -74dBm 5GHz 802.11a -94dBm 5GHz 802.11n (40M-MCS7) -72dBm 5GHz 802.11ax (80M-MCS11) -60dBm
Frequency Range	2.4GHz&5GHz
Maximum wireless speed	2.4GHz: 300Mbps 5GHz: 1201Mbps
Bandwidth	20MHz/40MHz/80MHz

Software Specifications	
Operating Mode	AP/Client+AP
Max. No. of SSID	2.4GHz: 8 5GHz: 4
Hide SSID	Supported
OFDMA	Supported
Beamforming	Supported
Fast roaming (802.11k/v/r)	Supported
WEP	Supported
WPA-PSK	Supported
WPA2-PSK	Supported
WPA	Supported
WPA2	Supported
WPA3-SAE	Supported
Access control	Supported
Adjustable power transmit	Supported
Automatic channel	Supported
AP isolation	Supported
Guest network	Supported
Connected clients control	Supported
RSSI Threshold	Supported
Weak signal terminal elimination	Supported
Prioritize 5 GHz	Supported
VLAN tagging for SSID	Supported

<b>Software Specifications</b>	
WiFi Schedule	Supported
LED control	Supported
MU-MIMO	Supported
Diagnostics tool	Supported
Reboot at specified interval	Supported
Scheduled reboot	Supported
Device management	Web,Router,CloudFi APP,AC
System logs	Supported
Firmware upgrade	Supported
Reboot	Supported
Reset	Supported
Backup configuration	Supported
Restore configuration	Supported
<b>Others</b>	
Default IP	192.168.0.254 tendawifi.com
Operation Temperature	-10°C ~ 45°C
Operating Humidity	10% ~ 90% non-condensing
Storage Temperature	-30°C ~ 70°C
Storage Humidity	5%~90% non-condensing

## SHENZHEN TENDA

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