

**Tenda**



**TX12**

**AX3000 Dual Band Gigabit Wi-Fi 6 Router**

[www.tendacn.com](http://www.tendacn.com)



# TX12

## AX3000 Dual Band Gigabit Wi-Fi 6 Router

### Description

TX12 is a dual-band Gigabit Wi-Fi 6 wireless router designed for users who pursue performance experience. Both its dual-bands support Wi-Fi 6 (802.11ax) technology and the concurrent rate is up to 2976Mbps (5GHz:2402Mbps, 2.4GHz: 574Mbps). TX12 is equipped with a 12nm process dual-core 1.3GHz CPU to ensure a stable and smooth network environment; supports Wi-Fi+, which can easily solve the problem of stable Wi-Fi coverage in very large homes; equipped with 5 built-in high-power FEMs , Wi-Fi has stronger wall penetration capabilities and longer transmission distances; it uses OFDMA+MU-MIMO technology to allow more devices to access the Internet at the same time, significantly improving transmission efficiency and significantly reducing latency.

## Main Features



### Dual-Core Processor , Smooth Network

TX12 is equipped with a 1.3GHz dual-core CPU, which uses an advanced 12nm process. Its comprehensive computing power is 30% higher than that of the old dual-core AX3000 router. This makes the router consume less power and generate less heat, and its strength ensures a stable and smooth network.



### Stronger Wi-Fi Signal Throughout Your Home

TX12 uses 4 external 6dBi high-gain omnidirectional antennas and 4 built-in high-performance signal enhancement modules to comprehensively improve signal transmission and reception sensitivity.



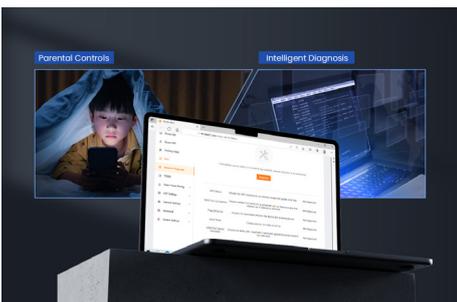
### Smooth Internet Experience with AX3000

The TX12 has a dual-band concurrent rate of up to 2976Mbps, with 2402Mbps for the 5GHz band and 574Mbps for the 2.4GHz band. It also supports an ultra-large 160MHz bandwidth, which can be used with mobile phones that support the same bandwidth. This allows for the signal to travel freely over a wider channel, maximizing the performance of your devices and enhancing your internet experience.



### Ultra-wide Coverage with Wi-Fi+

Equipped with the Wi-Fi+ function, multiple TX12 can be easily networked without configuration, realizing a high-speed whole-home Wi-Fi experience for larger units.



### Rich Functions , Easy to Master

Using Tenda WiFi APP or Web management page, you can instantly have a variety of practical functions: such as controlling children's Internet access, intelligent fault diagnosis to prevent addiction to the network, quick self-test and complete network repair. More features, please stay tuned!

# Technical Specifications

| Hardware features  |  |
|--------------------|--|
| Standard&Protocol  | IEEE802.3, IEEE802.3u, IEEE802.3ab   |
| CPU                | Dual-Core 1.3GHz CPU   |
| RAM                | 256MB  |
| Interface          | 1× Gigabit WAN Port<br>2× Gigabit LAN Ports  |
| Antenna            | 4*6dbi external antennas   |
| Button             | 1*WPS/Mesh button<br>1*Reset button  |
| Power              | Input: AC 100-240V~50/60H<br>Output: DC 12V---1A   |
| LED indicator      | 1* LED   |
| Dimensions         | (L*W*H)267*166*222 mm  |
| Wireless features  |  |
| Wireless Standards | IEEE 802.11ax/ac/n/a 5 GHz<br>IEEE 802.11ax/n/b/g 2.4 GHz  |
| Data Rate          | 5 GHz: 2402 Mbps (802.11ax, HE160)<br>2.4 GHz: 574 Mbps (802.11ax)   |
| Frequency          | CE:<br>2.4G: 2412-2472MHz(CH1-CH13)<br>5G: 5150-5350MHz(CH36-CH64)<br>FCC:<br>2.4G: 2412-2462MHz(CH1-CH11)<br>5G: 5150-5350MHz(CH36-CH64)<br>5725-5850MHz(CH149-CH165) |
| Transmission Power | CE:<br><20 dBm (2.4 GHz)<br><23 dBm (5 GHz)<br>FCC:<br><30 dBm (2.4 GHz)<br><30 dBm (5 GHz)  |

## Technical Specifications

|                          |   |
|--------------------------|---|
| Basic Functions          | SSID broadcasting and hiding<br>MU-MIMO<br>Beamforming signal directional transmission technology<br>160MHz<br>OFDMA<br>1024-QAM                          |
| Wireless Security        | WPA2-PSK<br>WPA3-SAE/WPA2-PSK<br>Wireless Security: Enable/Disable<br>WPS(WiFi Protected Set-up) fast encryption  |
| <b>Software Function</b> |   |
| Internet Connection Type | PPPoE, Dynamic IP, Static IP<br>PPPoE(Russia), PPTP(Russia), L2TP(Russia)<br>Unify, Maxis, Maxis-special, Celcom, Digi                                    |
| Network Protocol         | IPv4&IPv6   |
| Operating Mode           | Router Mode<br>AP Mode<br>Universal Repeater Mode (Client+AP,WISP)  |
| Parental Control         | Client Filter<br>URL Filter<br>Time Limit   |
| DHCP                     | DHCP Server<br>DHCP Client List<br>DHCP Static IP Address Reservation and Allocation  |
| Virtual Server           | Port Forwarding, DMZ Host, UPnP   |
| Firewall                 | ICMP Flood Attack Defense<br>TCP Flood Attack Defense<br>UDP Flood Attack Defense<br>Block Ping From WAN  |
| DDNS                     | DynDNS, no-ip, oray, 88ip   |
| VPN                      | IPSec Transparent Transmission<br>PPTP Transparent Transmission<br>L2TP Transparent Transmission<br>PPTP VPN Server<br>PPTP VPN Client<br>L2TP VPN Client |

## Technical Specifications

|                       |   |
|-----------------------|---|
| Special Features      | <ul style="list-style-type: none"> <li>Wi-Fi+(Mesh System)</li> <li>Smart diagnosis</li> <li>IPTV</li> <li>IPv6</li> <li>Smart LED on/off</li> </ul>  |
| Other Function        | <ul style="list-style-type: none"> <li>Support App and web management</li> <li>Bandwidth Control</li> <li>Guest Network</li> <li>MAC Address Clone</li> <li>Supports black list and white list</li> <li>Unify 2.4 GHz &amp; 5 GHz</li> <li>Static Routing</li> <li>Remote Web Management</li> <li>Backup &amp; Restore configurations</li> <li>Firmware upgrade online</li> </ul> |
| <b>Other Features</b> |   |
| Temperature           | <ul style="list-style-type: none"> <li>Operating Temperature : 0 °C ~40 °C</li> <li>Storage Temperature : -40C ~70 C</li> </ul>   |
| Humidity              | <ul style="list-style-type: none"> <li>Operating Humidity : 10 %~90% RH non-condensing</li> <li>Storage Humidity : 5 %~ 90%RH non-condensing</li> </ul>   |
| Certification         | CE, FCC,RoHS  |
| Package Content       | <ul style="list-style-type: none"> <li>Wi-Fi Router *1</li> <li>RJ45 Ethernet Cable*1</li> <li>Power Adapter*1</li> <li>Quick Installation Guide*1</li> </ul>   |

## **SHENZHEN TENDA TECHNOLOGY CO.,LTD.**

Tenda Technology Bldg.Int'l E-City,  
#1001 Zhong Shan Yuan Rd.,Nanshan District,Shenzhen China.

E-mail:support@tenda.com.cn

Tel:+86-755-2765 7098

Fax:+86-755-2765 7178

PC:518055

