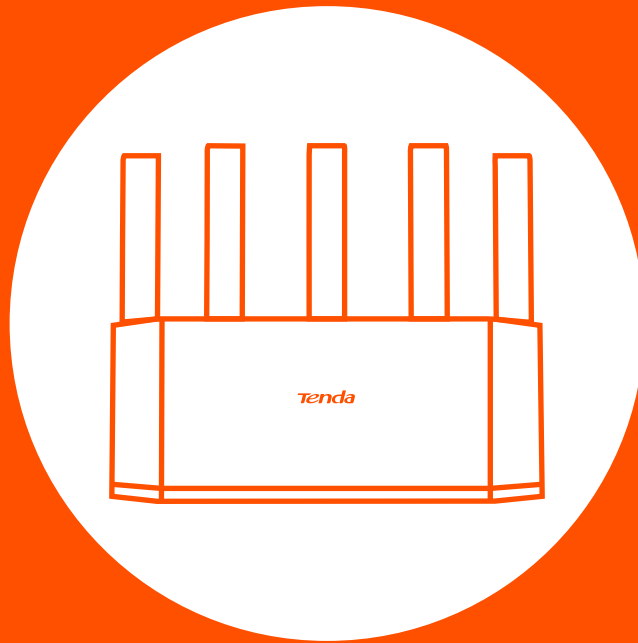# Tenda

TX12L Pro

AX3000 Dual Band Gigabit Wi-Fi 6 Router
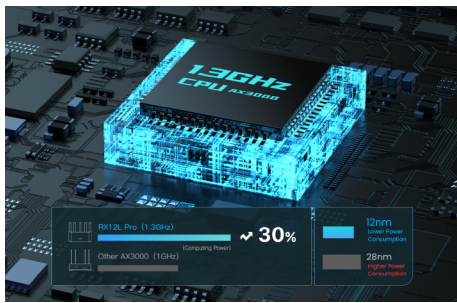
TX12L Pro

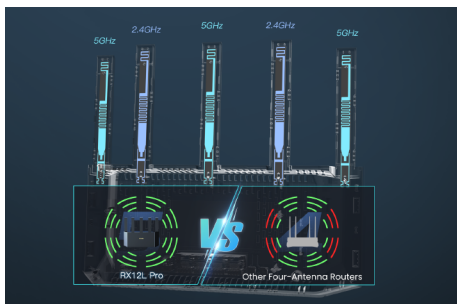## AX3000 Dual Band Gigabit Wi-Fi 6 Router

Description

TX12L Pro 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). TX12L Pro 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

TX12L Pro 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.
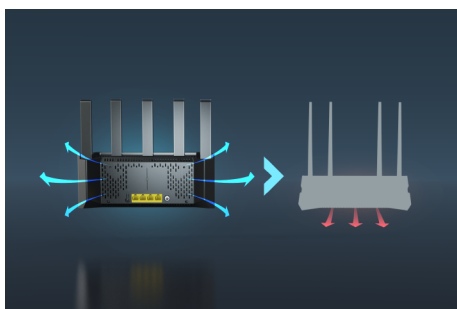

Stronger Wi-Fi Signal Throughout Your Home

TX12L Pro uses 5 external 6dBi high-gain omnidirectional antennas and 5 built-in high-performance signal enhancement modules to comprehensively improve signal transmission and reception sensitivity. The 5GHz signal is faster and more stable, making it easy to achieve high-speed whole-house Wi-Fi 6 for medium and large apartments.

Smooth Internet Experience with AX3000

The TX12L Pro 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.

Vertical Design for More Stable Signal

With a vertical structure design, compared with traditional routers, the air contact area is wider and the heat dissipation efficiency is significantly improved, which bring us a more stable network.

Ultra-Wide Coverage with Wi-Fi+

Equipped with the Wi-Fi+ function, multiple TX12L Pro can be easily networked without configuration, realizing a high-speed whole-home Wi-Fi experience for larger units.

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 3× Gigabit LAN Ports
Antenna	5*6dbi external antennas
Button	1*WPS/Reset button
Power	Input：AC 100-240V~50/60H Output：DC 12V⎓1A
LED indicator	1* LED
Dimensions	(L*W*H)244*56*200mm
Wireless features	
Wireless Standards	IEEE 802.11ax/ac/n/a 5 GHz IEEE 802.11ax/n/b/g 2.4 GHz
Data Rate	5 GHz: 2402 Mbps (802.11ax, HE160) 2.4 GHz: 574 Mbps (802.11ax)
Frequency	CE: 2.4G: 2412-2472MHz(CH1-CH13) 5G: 5150-5350MHz(CH36-CH64) FCC: 2.4G: 2412-2462MHz(CH1-CH11) 5G: 5150-5350MHz(CH36-CH64) 5725-5850MHz(CH149-CH165)
Transmission Power	CE: <20 dBm (2.4 GHz) <23 dBm (5 GHz) FCC: <30 dBm (2.4 GHz) <30 dBm (5 GHz)

Technical Specifications

Basic Functions	SSID broadcasting and hiding MU-MIMO Beamforming signal directional transmission technology 160MHz OFDMA 1024-QAM
Wireless Security	WPA2-PSK WPA3-SAE/WPA2-PSK Wireless Security: Enable/Disable WPS(WiFi Protected Set-up) fast encryption

Software Function

Internet Connection Type	PPPoE, Dynamic IP, Static IP PPPoE(Russia), PPTP(Russia), L2TP(Russia) Unify,Maxis,Maxis-special,Celcom,Digi
Network Protocol	IPv4&IPv6
Operating Mode	Router Mode AP Mode Universal Repeater Mode （Client+AP,WISP）
Parental Control	Client Filter URL Filter Time Limit
DHCP	DHCP Server DHCP Client List DHCP Static IP Address Reservation and Allocation
Virtual Server	Port Forwarding, DMZ Host, UPnP
Firewall	ICMP Flood Attack Defense TCP Flood Attack Defense UDP Flood Attack Defense Block Ping From WAN
DDNS	DynDNS, no-ip, oray, 88ip
VPN	IPSec Transparent Transmission PPTP Transparent Transmission L2TP Transparent Transmission PPTP VPN Server PPTP VPN Client L2TP VPN Client

Technical Specifications

Special Features	Wi-Fi+(Mesh System) Smart diagnosis IPTV IPv6 Smart LED on/off
Other Function	Support App and web management Bandwidth Control Guest Network MAC Address Clone Supports black list and white list Unify 2.4 GHz & 5 GHz Static Routing Remote Web Management Backup & Restore configurations Firmware upgrade online

Other Features

Temperature	Operating Temperature : 0℃~40℃ Storage Temperature : -40C ~70℃
Humidity	Operating Humidity : 10 %~90% RH non-condensing Storage Humidity : 5 %~ 90%RH non-condensing
Certification	CE, FCC,RoHS
Package Content	Wi-Fi Router *1 RJ45 Ethernet Cable*1 Power Adapter*1 Quick Installation Guide*1

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