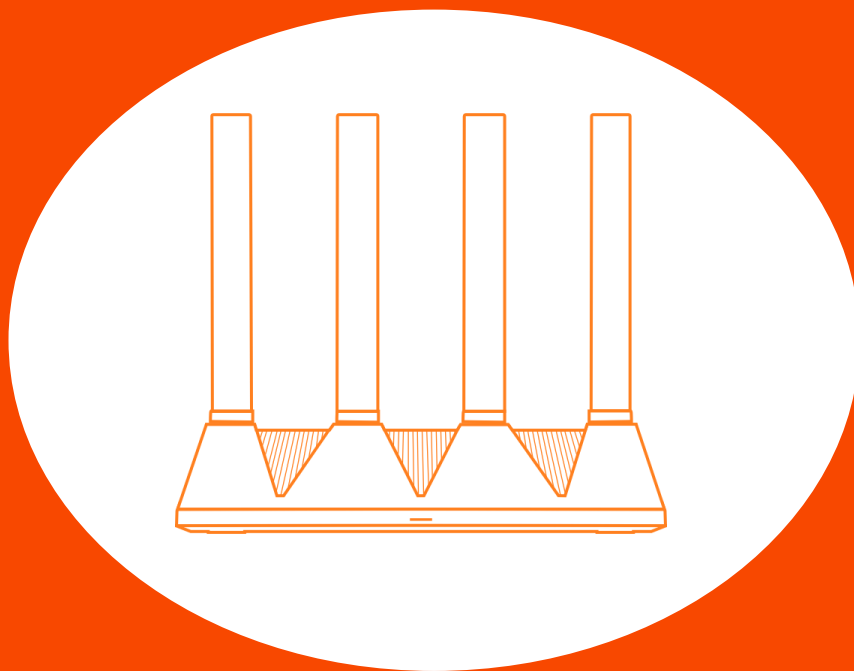


Tenda



AX12 Pro

AX3000 Dual-Band Gigabit Wireless Router



AX12 Pro

AX3000 Dual-Band Gigabit Wireless Router

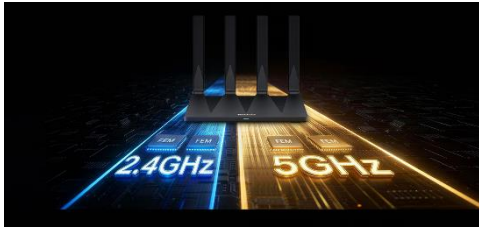
AX12 Pro is a high-performance dual-band Wi-Fi 6 router built for modern homes. It delivers speeds of up to 2976 Mbps and supports 160 MHz ultra-wide bandwidth, enabling fast, stable, and low-latency connectivity for all your devices. Powered by a 1.2 GHz dual-core processor, the AX12 Pro maintains smooth performance even during heavy multi-device use. With four high-efficiency FEMs and 7 dBi high-gain 5 GHz antennas, it achieves stronger signal penetration and wider coverage throughout your home. Additionally, the AX12 Pro supports Wi-Fi+ Mesh and EasyMesh technology, NFC Tap-to-Connect, and an IoT Network, providing a convenient and complete whole-home Wi-Fi experience.

Main Features



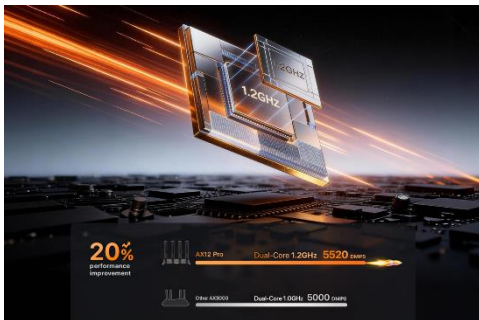
7 dBi High-Gain 5 GHz Antennas for Longer More Stable Coverage

The 5GHz band uses 7dBi high-gain antennas, delivering approximately 40% higher gain than traditional 5dBi antennas. This provides stronger signal performance, wider coverage, and fewer dead zones. Even in larger homes, you can enjoy a stable, high-speed network experience throughout the space.



External independent Signal Amplifiers for Stronger Wall Penetration

Both the 2.4 GHz and 5 GHz bands are equipped with independent external signal amplifiers. Compared with typical routers using internal amplification designs, this delivers stronger wall penetration and wider wireless coverage, helping ensure fast and stable Wi-Fi throughout your home.



Powerful Dual-Core CPU for Smoother Networking

Powered by a 1.2 GHz dual-core high-performance processor, delivering up to 20% higher processing performance compared with similar products. Even with multiple devices connected or under heavy network loads, it ensures faster response and consistently smooth network performance, improving your overall online experience.



180° Flexible Foldable Antennas for Multiple Placement Options

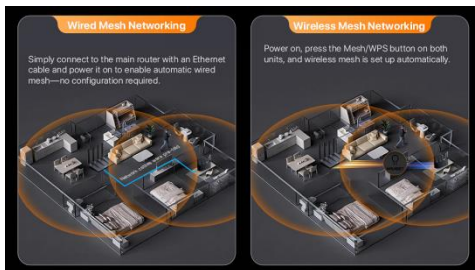
Unlike typical routers whose antennas fold only 90°, the AX12 Pro features an innovative 180° foldable design, allowing flexible placement to suit your home network setup.

Main Features



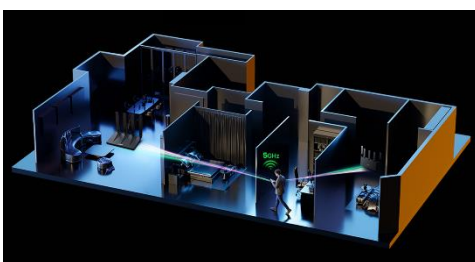
160MHz ultra-wide bandwidth, doubling the speed

The AX12 Pro delivers dual-band concurrent speeds of up to 2976 Mbps (5 GHz: 2402 Mbps, 2.4 GHz: 574 Mbps) and supports 160 MHz ultra-wide channels. When paired with devices that support 160 MHz, it provides higher transmission efficiency, enabling faster large file downloads and smoother HD video streaming, fully unleashing your device's performance.



Wi-Fi+ Mesh & EasyMesh Easily Expand Whole-Home Coverage

For large apartments or multi-story homes that require extended Wi-Fi coverage, the AX12 Pro supports Tenda's proprietary Wi-Fi+ Mesh technology, allowing you to easily expand your wireless network by pairing it with other Tenda devices that support Wi-Fi+ Mesh. The AX12 Pro also supports EasyMesh, enabling seamless network expansion by connecting with other EasyMesh-compatible routers, regardless of brand.



Wi-Fi Band Lock for Consistently Fast 5 GHz Speeds

The AX12 Pro can lock your devices to the 5 GHz band, allowing you to enjoy high-speed internet anytime you move around the house. TVs and security cameras can also lock to the best network node, ensuring clear and smooth video streaming and surveillance footage.



Simpler and More Secure VPN

Supports four VPN protocols: OpenVPN, WireGuard, PPTP, and L2TP, and is compatible with VPN service providers such as NordVPN and Surfshark. Each device can remotely access data at other locations (e.g., your office) via the home network without installing VPN software. Data is transmitted over a dedicated encrypted channel, ensuring it is secure and risk-free.

Main Features



NFC One-Tap Connection

With AX12 Pro's NFC one-touch connection, simply tap your phone on the router's NFC tag to connect to Wi-Fi without entering a password. It's quick, easy, and perfect for guests or family members to get online instantly.



AI Voice Parental Control for Safer Online Time

With AX12 Pro and the Tenda Wi-Fi app, parents can use the AI voice assistant to manage children's internet access with a simple command. Set daily online schedules, balance study and play, and ensure a safer, more controlled online experience for kids.



Dedicated IoT Network for Smart Homes

The AX12 Pro creates a dedicated IoT Network for smart home devices, separate from the main Wi-Fi. It's compatible with older devices, giving even legacy smart appliances a new lease on life.

Specification

Hardware Features	
Standard & Protocol	IEEE802.3, IEEE802.3u, IEEE802.3ab
CPU	Dual-core1.2 GHz
RAM	128 MB
Interface	1× Gigabit WAN Port 3× Gigabit LAN Ports
Antenna	4* High gain external antennas (5 GHz: 7 dBi, 2.4 GHz: 5 dBi)
Button	1*WPS/Reset button
Power	Input: AC 100–240V~50/60Hz Output: DC 12V=1A
LED indicator	1* LED
Dimensions	226*144*168mm (L*W*H)
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: 2.4 GHz: 2412–2472MHz(CH1–CH13) 5 GHz: 5150–5350MHz(CH36–CH64) FCC: 2.4 GHz: 2412–2462MHz(CH1–CH11) 5 GHz: 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)
Basic Functions	SSID broadcasting and hiding MU-MIMO Beamforming signal directional transmission technology 160 MHz OFDMA 1024-QAM
Wireless Security	WPA2-PSK WPA3-SAE/WPA2-PSK Wireless Security: Enable/Disable WPS(WiFi Protected Set-up) fast encryption

Specification

Software Function	
Internet Connection Type	PPPoE, Dynamic IP, Static IP PPPoE (Russia), PPTP (Russia), L2TP (Russia) Unify, Maxis, Maxis-special, Celcom, Digi, Other Special ISPs (VLAN/IPTV)
Network Protocol	IPv4&IPv6
Operating Mode	Router Mode AP Mode Universal Repeater Mode (Client+AP,WISP)
DHCP	DHCP Server DHCP Client List DHCP Static IP Address Reservation and Allocation
Parental Control	Client Filter URL Filter Time Limit AI Voice Control
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 OpenVPN Client WireGuard VPN Client
Special Features	Wi-Fi+ (Mesh System) EasyMesh IoT Network Wireless Access Binding NFC Stickers AI Voice Parental Control Auto Upgrade Firmware Guest Network Smart diagnosis Smart LED on/off Wi-Fi timer on/off WAN/LAN port auto-sensing

Specification

Software Function	
Other Function	Supports App and web management Bandwidth Control Guest Network MAC Address Clone Supports blacklist and whitelist Unify 2.4 GHz & 5 GHz Static Routing Remote Web Management Backup & Restore configurations Online firmware upgrade
Other Features	
Certification	CE, FCC, RoHS, UKCA
Temperature	Operating Temperature: 0°C ~ 40°C Storage Temperature: -40°C ~ 70°C
Humidity	Operating Humidity: 10% ~ 90% RH, non-condensing Storage Humidity: 5% ~ 90% RH, non-condensing
Package Content	Wi-Fi Router ×1 RJ45 Ethernet Cable ×1 Power Adapter ×1 Quick Installation Guide ×1

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