

Tenda

Wi-Fi 7

BE12 Pro

BE7200 Dual Band Wi-Fi 7 Router

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The BE12 Pro is a BE7200 dual-band Wi-Fi 7 router designed for households that demand an ultimate networking experience, delivering combined dual-band speeds of up to 7,141 Mbps. It is equipped with a 2.0 GHz quad-core CPU delivering up to 18,400 DMIPS, ensuring fast internet performance even with multiple devices connected and under heavy network loads. Its MLO multi-link scheduling is handled directly on a single chip, reducing CPU overhead and enabling faster aggregated dual-band speeds.

In addition, the BE12 Pro features 9 FEMs and adopts 5T5R technology on the 5 GHz band, effectively enhancing signal strength and expanding coverage. Combined with AI-powered five antennas, Xtra Range™ 3.0, Wi-Fi+ Mesh & EasyMesh, NFC one-tap connection, the BE12 Pro delivers a faster, more stable, and more convenient wireless networking experience.

Main Features



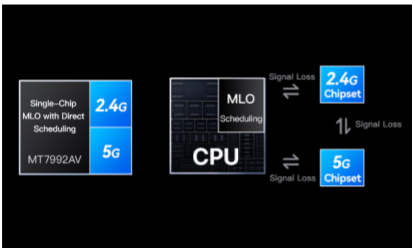
Wi-Fi 7 BE7200 for Ultra-Fast Internet Speeds

Featuring next-gen Wi-Fi 7, the router delivers ultra-fast combined dual-band speeds of up to 7,141 Mbps. With our exclusive single-chip MLO design, compatible Wi-Fi 7 devices can transmit data across both bands simultaneously—unlocking a faster, smoother, next-level networking experience.



Quad-Core Flagship CPU, BE7200 Beyond Fast

Equipped with a 2.0 GHz quad-core CPU delivering up to 18,400 DMIPS of processing power, far surpassing comparable routers in its class. Even under heavy network loads, data transmission remains smooth, with near-instant response when running multiple applications simultaneously.



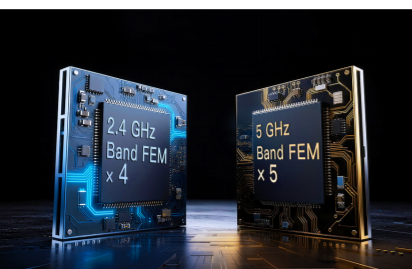
Single-Chip MLO For Faster Combined Dual-Band Speeds

With single-chip MLO, multi-link scheduling is handled directly on the chipset—without relying on the CPU. When paired with Wi-Fi 7 devices, this enables faster combined dual-band speeds and lower latency, delivering a noticeably smoother online experience.



Dual 2.5GE ports, 2.5x faster than Gigabit port

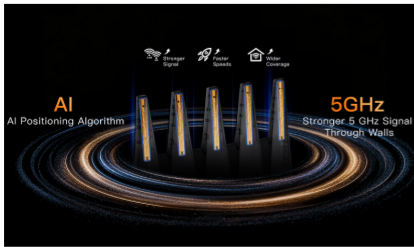
The BE12 Pro features two high-speed 2.5GbE ports—connect one to your modem to fully enjoy ultra-fast broadband, or link it to a NAS or PC for high-speed local network transfers, unlocking the full potential of your bandwidth.



9 Signal Enhancement Modules, Built for Flagship-Level Coverage & Stability

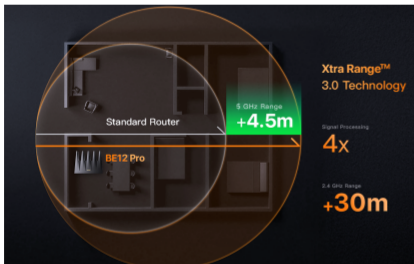
5 modules boost 5 GHz speed and coverage with 5T5R technology, while 4 dedicated 2.4 GHz modules enhance long-range, wall-penetrating performance for whole-home coverage.

Main Features



Powerful AI 5-antenna, full signal coverage

AI-powered 5-antenna design intelligently directs stronger Wi-Fi signals to your devices. Premium F4B antennas provide superior signal quality and transmission performance compared to standard FR4 designs.



Xtra Range™ 3.0, Enhanced Dual-Band Coverage Across Your Home

Powered by Xtra Range™ 3.0, the BE12 Pro boosts signal processing by up to 4x for significantly wider whole-home coverage. The 2.4 GHz and 5 GHz bands extend coverage by up to 30m and 4.5m, delivering stable connections—even in the yard.



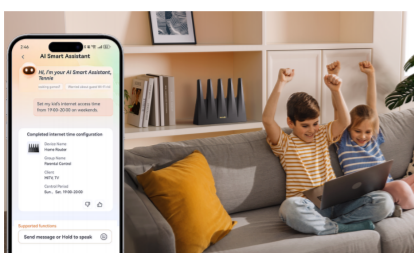
Wi-Fi⁺ Mesh & EasyMesh, Easily Expand Whole-Home Coverage

Designed for large apartments and multi-story homes, the BE12 Pro supports both Tenda Wi-Fi⁺ Mesh and the EasyMesh standard, allowing flexible expansion of Wi-Fi coverage with compatible devices.



NFC One-Tap Connection

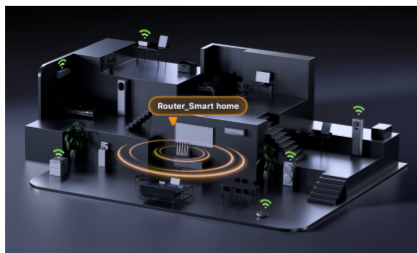
Unique NFC password-free function, simply requiring the visitor's phone to be close to the dedicated NFC sticker to connect to the Wi-Fi.



AI Voice Parental Control

Parents can manage their children's online time with a simple voice command via the Tenda Wi-Fi app's AI assistant, balancing study and entertainment for a safer, worry-free internet experience.

Main Features



Dedicated IoT Network For Smart Homes

The BE12 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.



Simpler and More Secure VPN

Supports OpenVPN, WireGuard, PPTP, and L2TP, compatible with NordVPN and Surfshark, enabling secure remote access with encrypted data transmission—no VPN software required on individual devices.



Wi-Fi 7's Four Core Technologies — Faster, More Stable, Smarter

With advanced Wi-Fi 7 technologies—including 4K QAM modulation, Enhanced OFDMA, MRU resource scheduling, and Preamble Puncturing—this router unlocks the full performance potential of Wi-Fi 7.



Vertical Design for More Stable Performance

The Tenda BE12 Pro's vertical design not only saves space compared to traditional routers, but also provides better heat dissipation under heavy loads and multiple device usage, keeping performance rock-solid at all times.

Specification

Hardware Features	
Standard & Protocol	IEEE802.3, IEEE802.3u, IEEE802.3ab,
CPU	4-Core 2GHz CPU
RAM	512MB
Interface	2*10/100/1000/2500Mbps WAN/LAN ports 3*10/100/1000Mbps WAN/LAN ports
Antenna	5*external antennas
Button	1*Mesh/WPS button, 1*Reset button
Power	Input: AC 100–240V~50/60Hz, 0.5A Output: DC 12V= 2 A
LED indicator	1* LED
Dimensions	(L*W*H) 290.25mm*230mm* 52.4mm
Wireless Features	
Wireless Standards	IEEE 802.11be/ax/ac/n/a 5 GHz IEEE 802.11be/ax/n/b/g 2.4 GHz
Frequency	2.4G: 2412–2472MHz(CH1–CH13) 5G: 5150–5350MHz(CH36–CH64) 5725–5850MHz(CH149–CH165)
Data Rate	5 GHz: 5765 Mbps (802.11be, HE160) 2.4 GHz: 1376 Mbps (802.11be)
Transmission Power	CE: <20 dBm (2.4 GHz) <23 dBm (5 GHz) FCC: <30 dBm (2.4 GHz) <30 dBm (5 GHz)
Basic Features	SSID broadcasting and hiding MU-MIMO Beamforming signal directional transmission technology OFDMA Multi-Link Operation (MLO) 4K-QAM Multi-RUs
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
Network Protocol	IPv4 & IPv6
Software Function	
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
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 Client
Special Features	WAN/LAN Port Auto-Negotiation Wi-Fi* Mesh & EasyMesh Smart Diagnosis Wi-Fi timer switch Wireless power adjustment NFC IPTV IPv6 IoT Network Power Control Smart LED on/off

Specification

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	
Certification	CE, FCC, RoHS
Temperature	Operating Temperature : 0°C~40°C Storage Temperature : -40C ~70°C
Humidity	Operating Humidity : 10 %~90% RH non-condensing Storage Humidity : 5 %~ 90% RH non-condensing
Package Content	Wi-Fi Router *1 Cat 6 Cable*1 NFC Sticker*1 Power Adapter*1 Quick Installation Guide*1

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