

The Tenda logo is displayed in a stylized, italicized orange font at the top left of the page.

Tenda

Wi-Fi 7

TE6L Pro

BE5100 Dual Band Gigabit Wi-Fi 7
Router(2.5GE)

Abstract orange light trails and particle effects sweep across the bottom half of the page, creating a sense of motion and energy.

www.tenda.cn

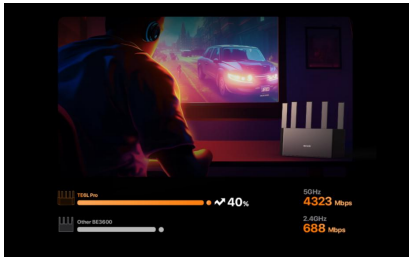


TE6L Pro

BE5100 Dual Band Gigabit Wi-Fi 7 Router (2.5GE)

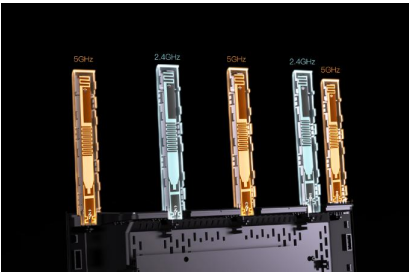
Introducing the latest Wi-Fi 7 technology, our router is tailored for users seeking top-tier performance, and it delivers a concurrent rate of up to 5011 Mbps. With a dual-core CPU and a 6nm Wi-Fi chip, this router ensures a stable and seamless network experience. Equipped with five high-gain antennas and five built-in FEMs, our Wi-Fi 7 router offers enhanced wall penetration and extended transmission range. Additionally, it supports the Wi-Fi+ Mesh function to effortlessly provide comprehensive coverage in large households. Furthermore, this router offers convenient features such as one-touch WiFi connection with NFC sticker and other special functions that cater to diverse internet usage scenarios.

Main Features



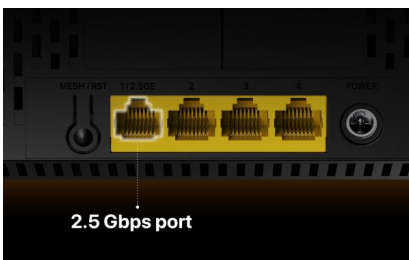
Next-Level Experience with Wi-Fi 7

The dual-band concurrent rate is up to 5011Mbps, and combined with the Multi-Link Operation and 4096QAM technology unique to the Wi-Fi 7, it can bring a higher-throughput, lower-latency network experience than ever before.



Boosted Wi-Fi Coverage Throughout Your Home

Featuring five high-gain external antennas and a 6nm Wi-Fi chip with enhanced integration and lower power consumption. This combination significantly boosts the strength of the Wi-Fi band, providing improved performance and range.



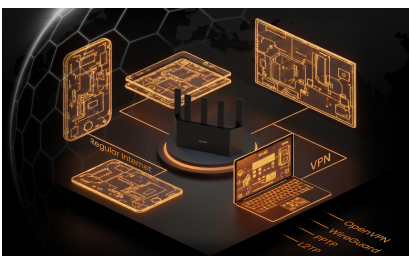
Lightning-Fast Wired Connections

It is equipped with a 2.5 Gbps port and supports WAN/LAN Port Auto-Negotiation function. It can easily handle 2000M broadband as a WAN port, and meet the high-speed transmission needs of home NAS intranet or computers as a LAN port.



One-Click WiFi Extension with Wi-Fi+

Supports networking with up to nine Tenda routers featuring Wi-Fi+ capabilities. The Wi-Fi coverage can be extended easily by pressing the Mesh button, ensuring a high-speed networking experience for larger homes.



Easier to Use and More Secure VPN

It supports both secure VPN and regular internet connections simultaneously, providing comprehensive network protection and unmatched flexibility.



More Useful and Rich Functions

Innovative use of NFC stickers to connect to the Internet in one touch, allowing visitors to connect to the Internet in one step; supports intelligent diagnosis function, which can quickly complete network self-checking and repair; also supports parental control function to ensure children's healthy Internet access.

Specification

Hardware Features	
Standard&Protocol	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3ae
CPU	Dual-Core 1GHz CPU
RAM	512MB
Interface	1*10/100/1000/2500Mbps WAN/LAN port 3*10/100/1000Mbps WAN/LAN ports
Antenna	5*external antennas
Button	1*Mesh/Reset button
Power	Input: AC 100–240V~50/60Hz Output: DC 12V= 1A
LED indicator	1* LED
Dimensions	(L*W*H) 244*56*200mm
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: 4323 Mbps (802.11ax, HE160) 2.4 GHz: 688 Mbps (802.11ax)
Transmission Power	CE: < 20 dBm (2.4GHz) < 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 System) Smart Diagnosis IPTV IPv6 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 Network Cable*1 NFC Sticker*1 Power Adapter*1 Quick Installation Guide*1

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