TOTOLINK
The Smartest Network Device

AX3000 Wireless Dual Band Gigabit Wi-Fi 6 Router

X6000R is AX3000 Wireless Dual Band Gigabit Wi-Fi 6 Router built with the latest generation Wi-Fi 6 technology, supports 160MHzp bandwidth, provides 3000Mbps speed.

X6000R

Wi-Fi 6

160MHz
Large Bandwidth

DFDAM
Technology

Xtra Range
Technology

Full Gigabit
Ports

Easy Mesh

Overview

X6000R is AX3000 Wireless Dual Band Gigabit Wi-Fi 6 Router built with the latest generation Wi-Fi 6 technology, supports 160MHzp bandwidth, provides 3000Mbps speed. What's more, using MediaTek's new generation Filogic 820 chip, Dual-Core 1.3GHz CPU, the powerful processor ensures excellent performance for concurrent real-time applications, such as multimedia streaming, online games and audio/video chat.

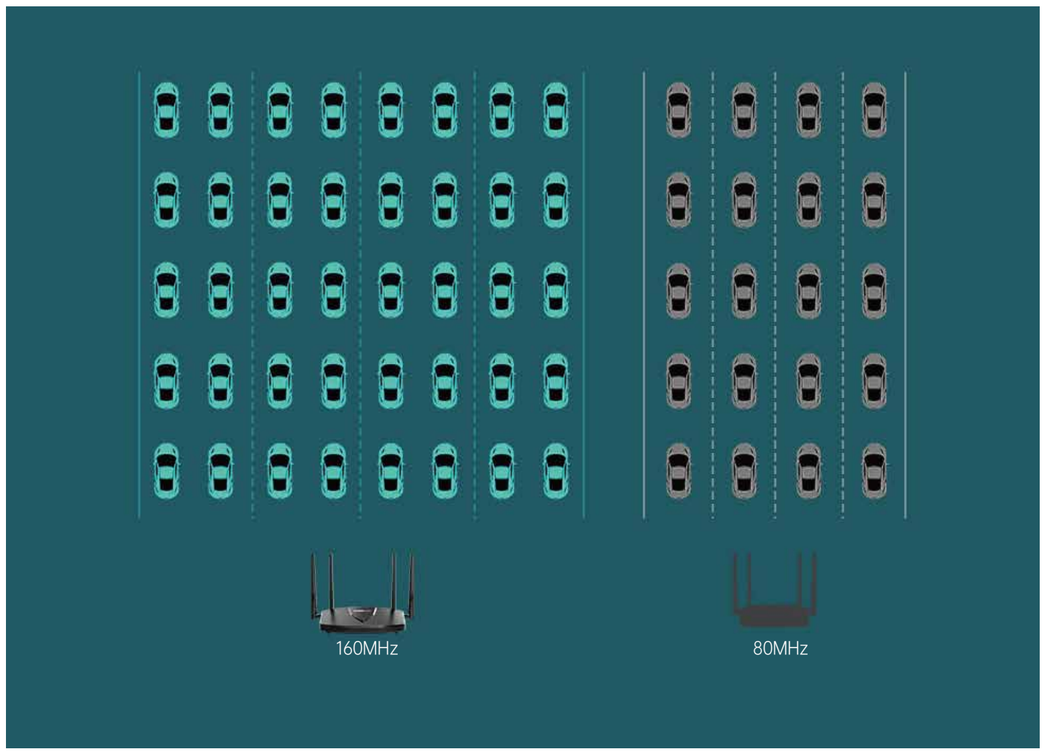
You can get best-in-class cybersecurity with the latest WPA3 to protect your family from malwares, stolen passwords, identity theft, and hacker attacks.

Frankly speaking, X6000R can be used in large houses and small offices for a stable and fast Wi-Fi experience.

Features

- Complies with the next generation Wi-Fi 6 (IEEE 802.11ax) standard.
- Simultaneous 2404Mbps on 5GHz and 574Mbps on 2.4GHz for a total of 3000Mbps.
- 1.3GHz Dual-Core CPU perform outstanding ability in data-processing without any delay.
- OFDMA to improve capacity and efficiency of your network, so more devices can connect without slowing down your Wi-Fi.
- TWT (Target Wake Time) technology reduces your devices' power consumption to extend their battery life.
- MU-MIMO technology allows to transfer data to multiple devices at the same time.
- 2.4GHz 2T2R, 5GHz 3T3R multiple antennas design.
- Beamforming technology improves directional signal transmission, improving the bandwidth efficiency.
- Full gigabit ports offer larger capability for data forwarding via cable connection.
- Supports DHCP, Static IP, PPPoE PPTP and L2TP broadband functions.
- Supports WPA3 wireless security protocols to ensure network security.
- Support VPN server, Universal Repeater, Guest network, Smart QoS, Wi-Fi Scheduler.
- Parental Control on the router lets you easily manage content and time online on any connected device.
- Easy Mesh function for easy Wi-Fi extension and seamless roaming.
- Easy setup and management with phone UI and TOTOLINK Router APP.

Highlights



The Next Generation --- Wi-Fi 6

Wi-Fi 6 (IEEE802.11ax) delivers a huge boost in speed and total capacity and takes your Wi-Fi to the next level while being backwards compatible with IEEE802.11a/b/g/n/ac Wi-Fi standards. X6000R equips with the latest wireless technology, Wi-Fi 6, for faster speeds, greater capacity, and reduced network congestion.

3000Mbps Ultra-Fast Wi-Fi Speed

Featuring a 160MHz bandwidth and 1024-QAM, X6000R delivers true Gigabit speeds of up to 3000Mbps. It delivers Wi-Fi speeds of up to 2404Mbps on the 5GHz band and 574Mbps on the 2.4GHz band. Every application feels more fluid with drastically improved Wi-Fi speeds. Both 2.4 GHz band and 5 GHz band get upgraded to the latest generation—perfect for 4K streaming, online gaming, and fast downloading.

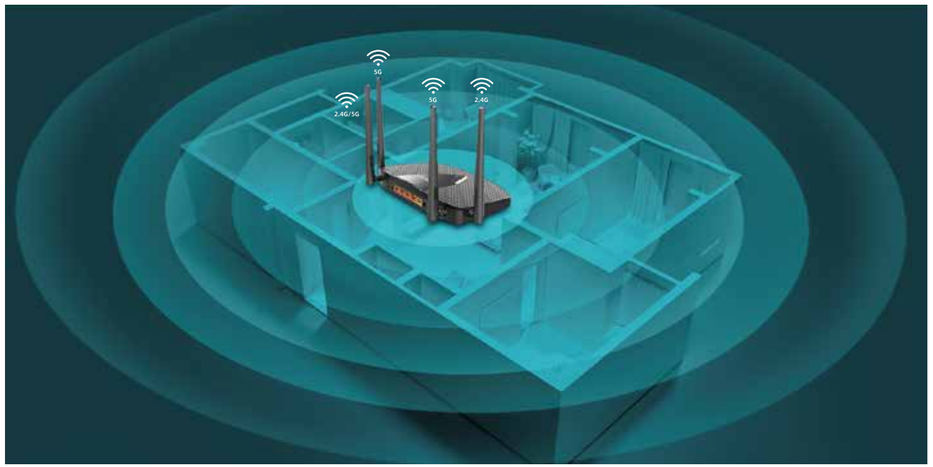
Quick Setup by Using Phone UI & APP

You can setup your router in minutes by using the specific phone UI or TOTOLINK Router App. The App allows you to manage network settings from any Android or iOS device.

Highlights

Powered by
MediaTek
Filogic 820

360° signal without dead angle | Improve 5GHz band signal | Signal anti blocking



Xtra Range Technology, Wide Wi-Fi Coverage

Compared with the traditional AX3000 router, the Xtra Range Technology has one more 5GHz antenna (1*dual-band antenna + 2*5GHz antennas). Through the 3T3R multi-antenna, multi-path optimization design, and Beamforming signal enhancement technology, the signal strength of the 5GHz frequency band can be greatly improved for broader coverage.

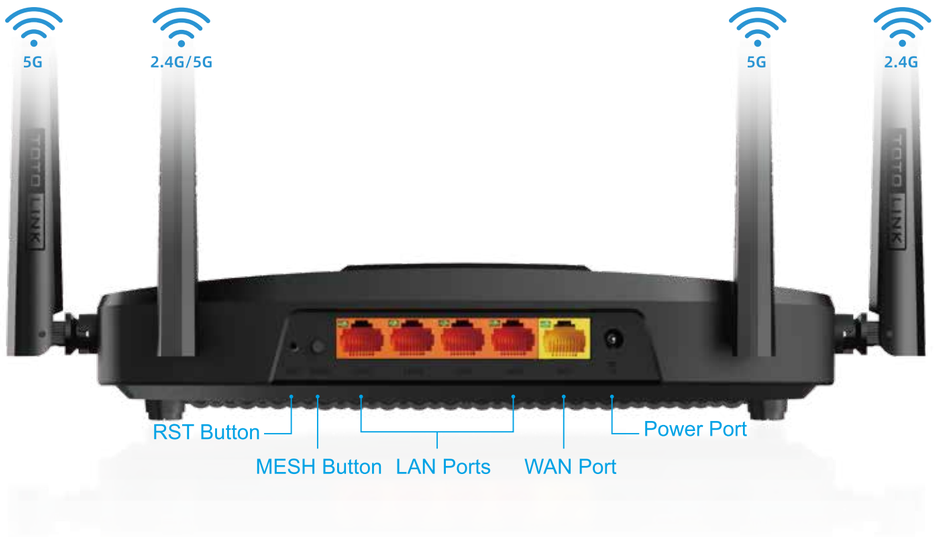
OFDMA More Device, Less Congestion

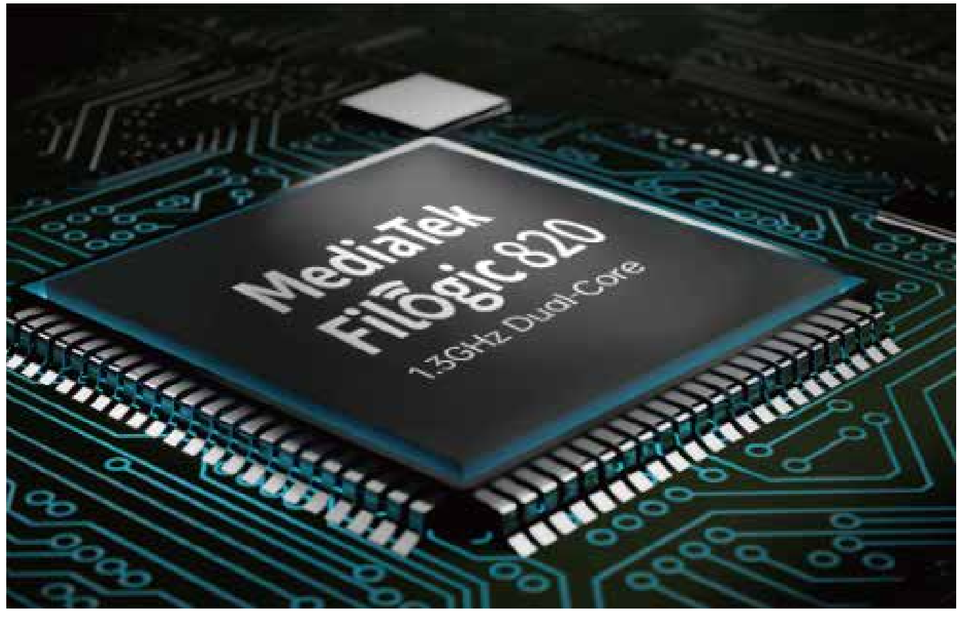
X6000R can easily handle dozens of devices streaming and gaming at the same time—OFDMA, greatly increases capacity by 4 times to enable simultaneous transmission to more devices. OFDMA separates a single spectrum into multiple units and enables different devices to share one transmission stream, increasing efficiency and reducing latency.

Easy Mesh, Wider Coverage and Seamless Roaming

With advanced Mesh technology, units work together to form a unified network with a single network name.Devices will automatically switch between X6000R as you move through your home for the fastest possible speeds.

Highlights





Full Gigabit WAN and LAN Ports

Equipped with full gigabit ports, X6000R offers a larger capability for data streaming via cable connection, making the best use of your Internet bandwidth, and compatible with your 100M/1000M network card. Plug in your PCs, smart TVs, and game consoles for fast and reliable connections.

1.3GHz Dual-Core CPU for Powerful Processing

Equipped with MediaTek's new generation Filogic 820 chip, Advanced 12nn process, Dual-Core 1.3GHz CPU, Device capacity Up to 256 users. X6000R handles demands of multiple users accessing your network simultaneously, ensuring everyone in your home is possible to surf the internet constantly at the same time.

MU-MIMO for Smooth Wi-Fi on All Your Devices

The latest IEEE802.11ax technology supports uplink and downlink, which has greatly improvement on the transmission rate than the standard AC routers. It designed to smoothen high-bandwidth Internet activities across multiple devices, such as 4k HD video streaming and online gaming.

Specifications

Hardware

Interface	- 1 * 1000Mbps WAN Port
	- 4 * 1000Mbps LAN Port
Power Supply	- 12VDC/1A
Antenna	- 4* external detachable antennas
	(1*Dual band antenna + 1* 2.4G antennas
	+2*5G antenna)
Button	- 1 * RST Button, 1 * MESH Button
LED	- 1 * SYSTEM LED, 1* WAN LED, 4* LAN LED
Dimensions (L x W x H)	- 241.0 x 147.0 x 48.5mm

Wireless

Standards	- IEEE 802.11ax, IEEE 802.11ac, IEEE 802.11n,
	- IEEE 802.11g, IEEE 802.11b, IEEE 802.11a
RF Frequency	- 2.4~2.4835GHz
	- 5.18~5.825GHz
Data Rate	- 2.4GHz: Up to 574Mbps
	- 5GHz: Up to 2402Mbps
EIRP	- 2.4GHz < 20dBm
	- 5GHz < 20dBm
Wireless Security	- WPA2/WPA Mixed
	- WPA3

Wireless

Reception Sensitivity	- 2.4G:11b 11M: -85dBm@8% PER
	11g 54M: -72dBm@10% PER
	11n HT20 MCS7: -68dBm@10% PER
	11n HT40 MCS7: -65dBm@10% PER
	11ax HT20 MCS11: -68dBm@10% PER
	11ax HT40 MCS11: -65dBm@10% PER
	- 5G: 11a 54M: -72dBm@10% PER
	11n HT20 MCS7: -68dBm@10% PER
	11n HT40 MCS7: -65dBm@10% PER
	11ac VHT80 MCS9: -55dBm@10% PER
	11ax HE80 MCS11: -51dBm@10% PER
	11ax HE160 MCS11: -46dBm@10% PER

Software

Home	- Quick Setup - Basic setup - Advanced setup
	- QR Code - LED - Logout
	- Reboot
Network	- WAN Setting - LAN Setting - DDNS Setting
	- IPTV Setting - IPv6 Setting
WAN Type	- Static IP, DHCP, PPPoE/Russia PPPoE,
	PPTP/Russia PPTP, L2TP/Russia L2TP

Specifications

Software	
Wireless	- Basic setup - Guest Network(Multiple SSID) - Wireless Schedule - Access Control - Advanced setup
Parental Control	- Internet time control based on MAC
QoS	- Up/Down speed control on WAN, Bandwidth control based on IP address
Device management	- Static Route - Routing Table - IP/MAC Binding
Security	- MAC Filtering - IP/Port Filtering - URL Filtering
NAT	- Virtual Server(Port Forwarding) - DMZ - VPN passthrough
VPN Sever	- L2TP VPN - Account Management

Software	
Tools	- Upgrade Firmware - Time Setup - UPnP - Remote management - Password Settings - Reboot Schedule - Ping Diagnosis - Route Tracking - TR-069 Config - System Log and so on

Others	
Package Contents	- X6000R Wireless Router *1 - Power Adapter *1 - Ethernet Cable *1 - Quick Installation Guide *1
Environment	- Operating Temperature: 0℃~40 ℃ (32 ℉~104℉) - Storage Temperature: -40℃~70 ℃ (-40 ℉~158℉) - Operating Humidity: 10%~90% non-condensing - Storage Humidity: 5%~90% non-condensing

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