TOTO LINK
The Smartest Network Device

AX6000 Wi-Fi 6 Smart Mesh System

X60 is AX6000 Wi-Fi 6 Smart Mesh System built with the latest generation Wi-Fi 6 technology, supports 160MHz bandwidth, provides 6000Mbps speed.

X60

| Wi-Fi 6 | 6000Mbps High Speed | Quad-Core CPU | Mesh Wi-Fi System | Wired Backhaul | Max 512 Users | WPA3 |

Overview

X60 is AX6000 Wi-Fi 6 Smart Mesh System built with the latest generation Wi-Fi 6 technology, supports 160MHz bandwidth, provides 6000Mbps speed.
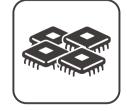
What's more, using MediaTek's new generation Filogic 830 chip, Quad-Core 2GHz CPU, the powerful processor ensures excellent performance for concurrent real-time applications, such as multimedia streaming, online games and audio/video chat.

Meanwhile, the wireless roaming function helps exchange to better signal source, keeping you connected and enjoy high speed Wi-Fi throughout your house.
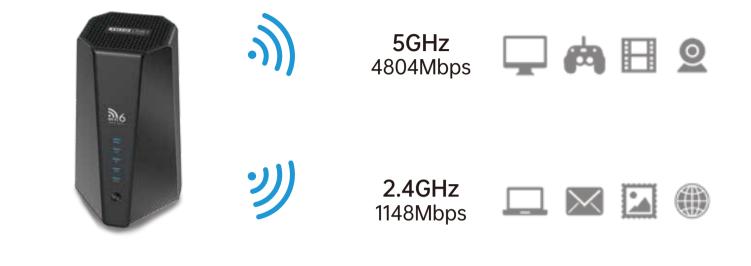
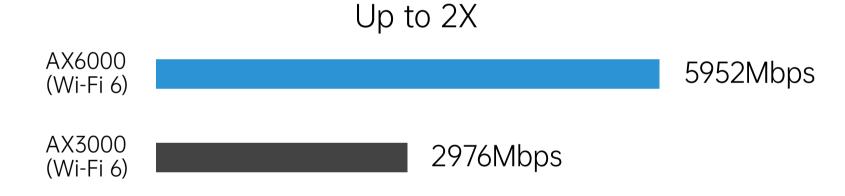Generally, X60 are designed for big-size homes with increasing demand of wide Wi-Fi network.
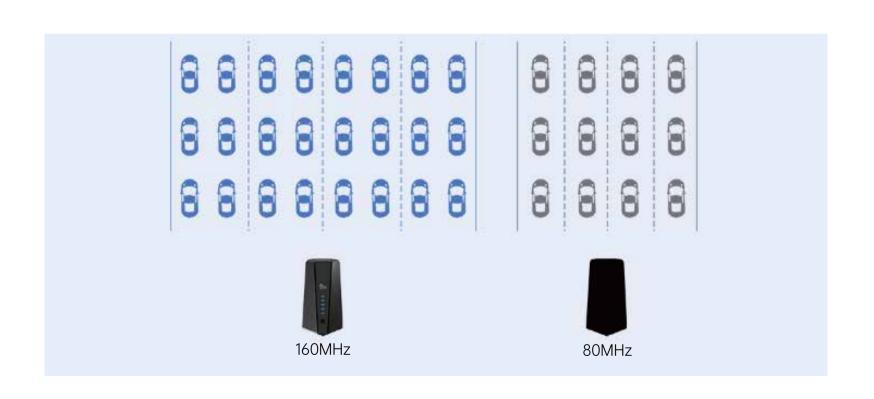
Features

- Simultaneous 4804Mbps on 5GHz and 1148Mbps on 2.4GHz for a total of 6000Mbps.
- 2GHz Quad-Core CPU perform outstanding ability in data-processing without any delay.

- Complies with the next generation Wi-Fi 6 (IEEE 802.11ax) standard.
- 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.
- 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

5GHz
4804Mbps

2.4GHz
1148Mbps

Up to 2X

AX6000
(Wi-Fi 6)
5952Mbps

AX3000
(Wi-Fi 6)
2976Mbps

160MHz

80MHz

6000Mbps Ultra-Fast Wi-Fi Speed

Featuring a 160 MHz bandwidth and 1024-QAM, X60 delivers true Gigabit speeds of up to 6000bps. It delivers Wi-Fi speeds of up to 4804Mbps on the 5GHz band and 1148Mbps on the 2.4GHz band. Every application feels more fluid with drastically improved Wi-Fi speeds. Both 2.4GHz band and 5 GHz band get upgraded to the latest generation—perfect for 4K streaming, online gaming, and fast downloading.
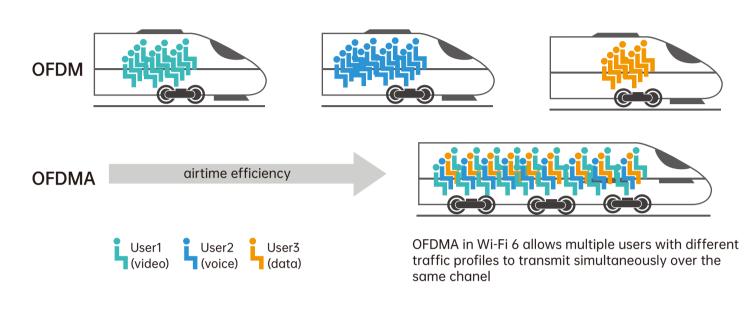
The Next Generation --- Wi-Fi 6

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. X60 equips with the latest wireless technology, Wi-Fi 6, for faster speeds, greater capacity, and reduced network congestion.

160MHz high bandwidth

Compared with the 80MHz bandwidth, the bandwidth is doubled andthe speed is doubled, which meets the high-speed connection requirementsof multi-device line devices.

Highlights

OFDM

OFDMA

airtime efficiency

User1 (video)　User2 (voice)　User3 (data)

OFDMA in Wi-Fi 6 allows multiple users with different traffic profiles to transmit simultaneously over the same chanel

MediaTek Filogic 830

high-performance internal antennas*4

OFDMA More Device, Less Congestion

X60 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.

2GHz Quad-Core CPU for Powerful Processing

Equipped with MediaTek's new generation Filogic 830 chip, Advanced 12nn process, Quad-Core 2GHz CPU, Device capacity Up to 512 users. X60 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.

Loop antennas layout, signal always online

With four high-performance internal dual-band antennas, Wi-Fi range improve dramatically. It will deliver improved Wi-Fi range throughout your home. You'll connect to your devices faster and no more dead zones.

Highlights

Full Gigabit WAN and LAN Ports

Equipped with full gigabit ports, X60 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.

LAN Ports

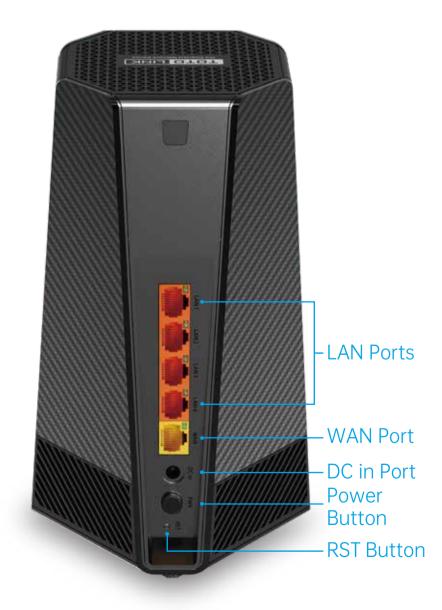WAN Port

DC in Port

Power Button

RST Button

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 X60 as you move through your home for the fastest possible speeds.

Specifications

Hardware

Interface	- 1 * 10/100/1000Mbps WAN Port - 4 * 10/100/1000Mbps LAN Ports
Power Supply	- 12V DC/1A
Antenna	- 4 * Internal Dual-band Antennas
Button	- 1 * RST Button, - 1 * MESH Button, - 1 *Power On/Off Button
LED	- PWR * 1, CPU * 1, 5G * 1, 2.4G * 1, MESH * 1
Dimensions (L x W x H)	- 127 * 142 * 216MM

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 1148Mbps(4*4 40MHz) - 5GHz: Up to 4804Mbps(4*4 160MHz)
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	- EasyMesh	- Basic setup
	- Advanced setup	- Multi-language auto	
	- LED	- Logout	- Reboot
Network	- WAN Setting	- LAN Setting	- DDNS Setting
	- IPTV Setting	- IPv6 Setting	- IP/MAC Binding

Specifications

Software	
Parental Control	- Internet time control based on MAC
QoS	- Up/Down speed control on WAN, Bandwidth control based on IP address
Security	- MAC Filtering - IP/Port Filtering - URL Filtering
NAT	- Virtual Server(Port Forwarding) - DMZ - VPN passthrough
Wireless	- Basic setup - Guest Network(Multiple SSID) - Wireless Schedule - Access Control - Advanced setup
Tools	- Upgrade Firmware - Time Setup - Remote management - UPnP - Password Settings - Reboot Schedule - Ping Diagnosis - Route Tracking - TR-069 Config - System Log and so on
Operation Mode	- Gateway mode - Bridge mode - Repeater mode - WISP mode

Software	
WAN Type	- Static IP, DHCP, PPPoE/Russia PPPoE, PPTP/Russia PPTP, L2TP/Russia L2TP
VPN Sever	- L2TP VPN - Account Management

Others	
Package Contents	- X60 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