

TOTO LINK

The Smartest Network Device

AX3000 Smart Home Mesh Wi-Fi 6 System



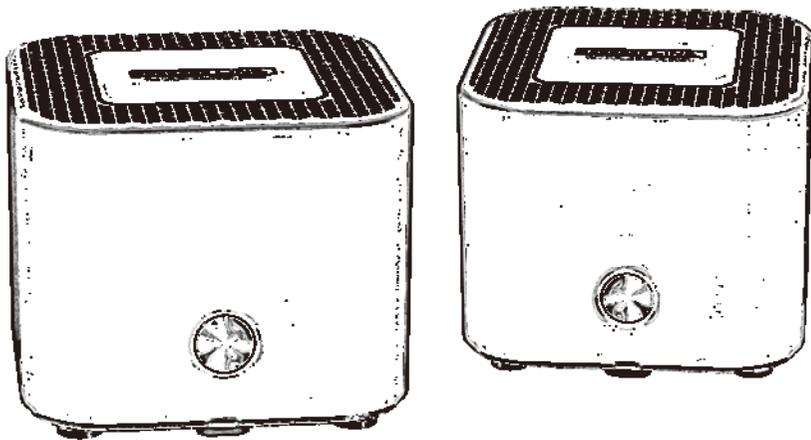
reddot winner 2022

X30 SE



Overview

X30 SE is AX3000 Wi-Fi 6 Smart Mesh System built with the latest generation Wi-Fi 6 technology, supports 160MHz 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. Meanwhile, the wireless roaming function helps exchange to better signal source, keeping you connected and enjoy high speed Wi-Fi throughout your house. Generally, X30 SE are designed for big-size homes with increasing demand of wide Wi-Fi network.



Features

- Complies with the next generation Wi-Fi 6 (IEEE 802.11ax) standard.
- Simultaneous 2402Mbps 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.
- 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

A new 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. X30 SE equips with the latest wireless technology, Wi-Fi 6, for faster speeds, greater capacity, and reduced network congestion.

Wi-Fi 6  3000Mbps

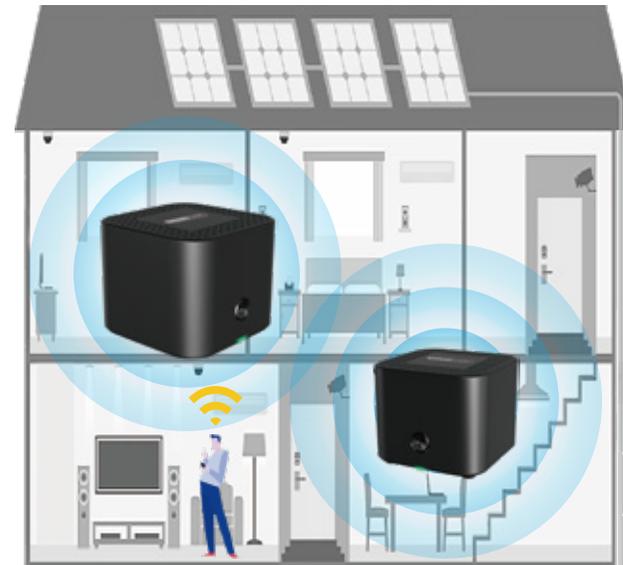
5GHZ

Wi-Fi 5  2402Mbps

5 GHZ

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 X30 SE as you move through your home for the fastest possible speeds.



**3000Mbps Ultra-Fast
Wi-Fi Speed**

It delivers Wi-Fi speeds of up to 2402Mbps on the 5GHz band and 574Mbps on the 2.4GHz band



**More Energy-efficient
Wi-Fi 6**

TWT (Target Wake Time) technology reduces your devices' power consumption to extend their battery life.



**160MHz
high bandwidth**

The bandwidth is doubled and the speed is doubled, which meets the high-speed connection requirements of multi-device line devices.

Highlights

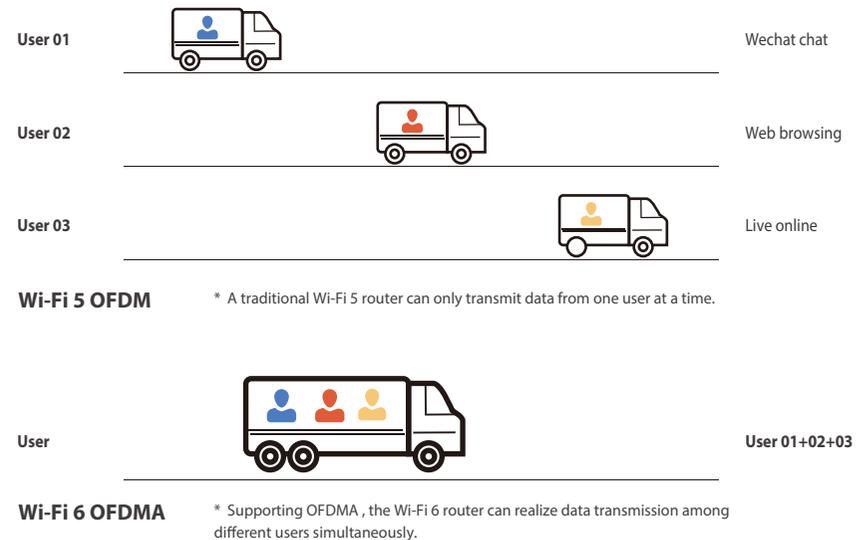
Full Gigabit WAN and LAN Ports

Equipped with full gigabit ports, X15 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.



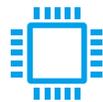
OFDMA More Device, Less Congestion

X30 SE 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.



Quick Setup

Easy setup and management with phone UI and TOTOLINK Router APP.



CPU

1.3GHz Dual-Core CPU perform outstanding ability in data-processing without any delay.



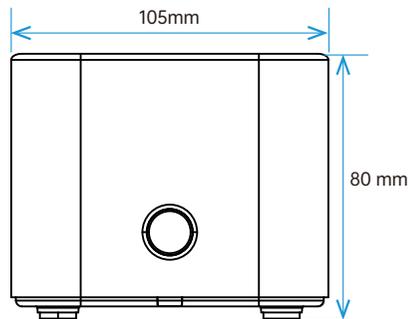
WPA3

Supports WPA3 wireless security protocols to ensure network security

Specification

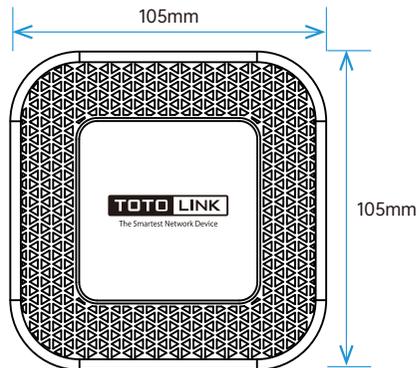
Hardware

- Interface :
 - 1 *1000Mbps LAN Ports
 - 1 *1000Mbps WAN Port
- Power Supply : 12VDC/1A
- Button : 1 *Mesh/RST Button
- LED Indicators :
 - 1 *System (Red/Green)
- Antenna :
 - 2 *Internal Antennas
- Dimensions (W x D x H) :
 - 105 x 105 x 87mm



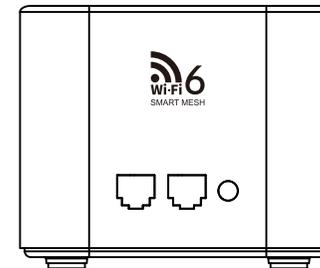
Wireless

- Standards :
 - IEEE 802.11ax, IEEE 802.11ac, IEEE 802.11a,
 - IEEE 802.11b, IEEE 802.11g, IEEE 802.11n,
 - IEEE 802.11s
- RF Frequency :
 - 2.4~2.4835GHz
 - 5.18~5.825GHz
- Data Rate :
 - 2.4GHz: Up to 574Mbps (2*2 40MHz)
 - 5GHz: Up to 2402Mbps (2*2 80MHz)
- EIRP :
 - 2.4GHz < 20dBm
 - 5GHz < 23dBm



Wireless

- Wireless Security :
 - WPA2/WPA Mixed ; WPA3
- 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



Specification

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
- WAN Type : Static IP, DHCP, PPPoE/Russia PPPoE, PPTP/Russia PPTP, L2TP/Russia L2TP
- 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
- Security : MAC Filtering ; IP/Port Filtering ; URL Filtering
- NAT : Virtual Server(Port Forwarding); DMZ ; VPN passthrough
- VPN Sever : L2TP VPN ; Account Management
- 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

Others

- Package Contents : X30 SE Wireless Router *1
Power Adapter *1
Ethernet Cable *1
Quick Installation Guide *1
- Environment :
Operating Temperature:
0°C~40 °C (32 °F~104°F)
Storage Temperature:
-40°C~70 °C (-40 °F~158°F)
Operating Humidity:
10%~90% non-condensing
Storage Humidity:
5%~90% non-condensing