



All for better networking.

**EX12**

AX3000 Whole Home Mesh  
WiFi 6 System



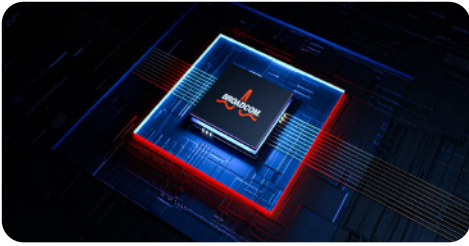
# EX12

## AX3000 Whole Home Mesh WiFi 6 System

The Nova EX12 is an AX3000 Whole Home Mesh Wi-Fi 6 System. EX12 delivers solid Wi-Fi coverage for up to 7,000 ft<sup>2</sup> with four independent wireless amplifiers and beam-forming technology. Compared with AX1800 Wi-Fi 6 products, EX12 is powered by Wi-Fi 6 technology with dual-band concurrency up to 2976Mbps, which is enhanced by 66%. AX3000 Wi-Fi 6 dual-band design and complete Gigabit port support can give full play to your high-speed broadband services. It has a powerful 1.7GHz 4-core CPU and 256 MB large memory, which can handle more terminal device access. All terminals can simultaneously enjoy high-speed Wi-Fi, low latency for online games, and smooth 4K video and VR HD applications. It has the characteristics of easy installation and allows automatic networking and MESH button networking. With the seamless roaming of the entire house, EX12 creates a high-speed and intelligent Mesh wireless network system for the entire family.control.

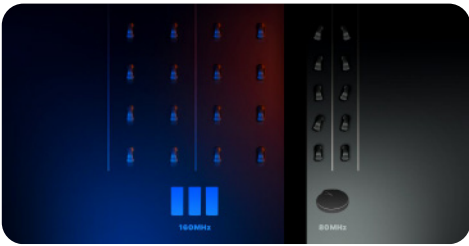
## Main Features

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### Ultra-fast Whole Home Coverage

Armed with next-gen Wi-Fi 6 technology and 1.7GHz Quad-Core Broadcom high-performance processor, the EX12 dual-band concurrent speed is up to 3000Mbps so that you can enjoy the fast network at all times.



### 160MHz Bandwidth: Feel the True Power of Wi-Fi 6

Support 160MHz ultra-large bandwidth, and use with mobile phones that support 160MHz bandwidth, allowing signals to come and go freely on a wider track, 5G signal frequency band speed is up to 2402Mbps, and the Internet experience is more fun!



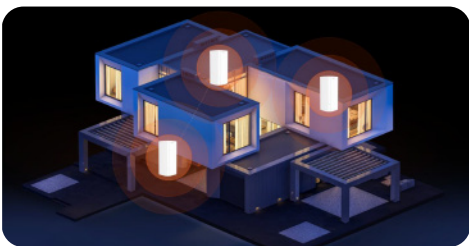
### Unstoppable Penetration. Superior Coverage.

With 4 independent wireless amplifiers and beamforming technology, EX12 provides stronger, stabler signal penetration. This is capable of blasting through three walls with one node and expanding whole home Wi-Fi coverage to up to 7,000 ft<sup>2</sup> from the front door to the backyard with three nodes.



### One Wi-Fi Name, Smooth Seamless Roaming

EX12 units work together under one unified network supported by 802.11k/v protocol and AP steering technology, creating seamless roaming experiences. Your devices will automatically connect to the best node as you move around in your house.



### Just Plug and Mesh

Just plug an additional EX12 and it will automatically connect with each other to form a Mesh network. No wiring to enjoy more coverage.

# Specification

Hardware Specification	
Processor	1.7GHz Quad-Core CPU
RAM	256MB DDR3
RF	CE: <20 dBm (2.4 GHz) <23 dBm (5 GHz) FCC: <30 dBm (2.4 GHz) <30 dBm (5 GHz)
Standard&Protocol	IEEE802.11a/b/g/n/ac/ax IEEE 802.3, IEEE 802.3u, IEEE 802.3ab
Ethernet Interface	3 x 10/100/1000Mbps RJ45 ports per node
Antenna	4 x 3dBi Internal antenna
Button	1 x Reset Button, 1 x MESH Button
LED Indicator	1 x Tri-color LED Indicator(Green,Yellow,Red)
Power	Input: 100-240V—50/60Hz, 0.6A Output: 12V1.5A
Dimension	86x86x190mm (3.39 x3.39 x 7.48 in)
Wireless Features	
Wireless Standards	IEEE802.11a/b/g/n/ac/ax
Mesh network Standard	WiFi EasyMesh
Wireless roaming	Comply with IEEE802.11k/v
Rate	2.4GHz: 574Mbps (802.11ax) 5GHz: 2402Mbps (802.11ax)
Frequency	CE: 2.4G: 2412-2472MHz(CH1-CH13) 5G: 5150-5350MHz(CH36-CH64) FCC: 2.4G: 2412-2462MHz(CH1-CH11) 5G: 5150-5350MHz(CH36-CH64) 5725-5850MHz(CH149-CH165)
Basic Features	Beamforming MU-MIMO AP Steering Band Steering OFDMA 1024-QAM
Wireless Security	WPA3-SAE/WPA2-PSK

# Specification

## Software Features

Operating Mode	Router Mode, AP Mode
Internet Connection Type	PPPoE, Dynamic IP, Static IP, PPPoE(Russia), PPTP(Russia), L2TP(Russia)
DHCP Server	DHCP Server, DHCP Client List
Virtual Server	Port Forwarding, DMZ Host, UPnP
Parental Control	Client Filter URL Filter Time Limit
Firewall	Forbid TCP/UDP flood attack
VPN	PPTP Server, PPTP/L2TP Client
Management	Tenda WiFi APP WEB( <a href="http://tendawifi.com">http://tendawifi.com</a> )
Others	Guest Network Firmware upgrade online IPv6 IPTV

## Package Contents

3-Pack	Mesh12X* 3, Power adapter x 3, QIG x 1, RJ45 Gigabit Ethernet cable x 1
2-Pack	Mesh12X* 2, Power adapter x 2, QIG x 1, RJ45 Gigabit Ethernet cable x 1
1-Pack	Mesh12X* 1, Power adapter x 1, QIG x 1, RJ45 Gigabit Ethernet cable x 1

## Others

Operating Temperature	0 ~ 40 °C
Storage Temperature	-40 ~ 70 °C
Operating Humidity	10%~90% RH non-condensing
Storage Humidity	5%~90% RH non-condensing
APP installation	Available in iOS 9.0 or later, Android 4.4 or later
Certification	CE, FCC, RoHS