

**Tenda**



All for better networking.

**EX6**

AX1800 Whole Home Mesh  
WiFi 6 System

[www.tendacn.com](http://www.tendacn.com)



# EX6

## AX1800 Whole Home Mesh WiFi 6 System

The Nova EX6 is an AX1800 Whole Home Mesh Wi-Fi System. With four independent wireless amplifiers and beamforming technology, EX6 is capable of delivering a strong Wi-Fi coverage for up to 6,000 ft<sup>2</sup>. Compared with AC1200 Wi-Fi 5 products, EX6 is powered by next-gen Wi-Fi 6 technology with dual band concurrency up to 1775Mbps, which is enhanced by 50%. Equipped with 1.5GHz Quad-Core Broadcom high-performance processor, for more responsive and stabler network. Also, EX6 units work together under one unified network supported by 802.11k/v protocol and AP steering technology, creating seamless roaming around the house. With MU-MIMO and OFDMA technology, simultaneous connection with multiple devices can be simple and easy. Let's enjoy whole home Wi-Fi 6.

# Main Features



## Stronger Penetration, More Coverage.

With four Skyworks independent wireless amplifiers and beamforming technology, EX6 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 6,000 ft<sup>2</sup> from the front door to the backyard with three nodes.



## Faster and Reliable Network around You

Compared with AC1200 Wi-Fi 5 products, EX6 is powered by dual-band Wi-Fi 6 (802.11ax) with speed up to 1775Mbps, which is enhanced by 50%. Also, by equipping with 1.5GHz Quad-Core Broadcom high-performance processor, EX6 provides a more responsive and stabler distributed network.

\*Testing from Tenda Lab and for reference only. Data varies according to the environment.



## Whole Home Seamless Roaming

EX6 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.

\* Roaming experience varies from device support, position and ambient interference. Please contact customer service for set-up advices.



## Just Plug and Mesh

Just plug an additional EX6 and it will automatically connect with each other to form a Mesh network. No wiring to enjoy more coverage.

# Main Features

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## Multiple Devices Will Be No Problem

With MU-MIMO and OFDMA technology, efficient Wi-Fi performance and reduction of latency are enabled, making simultaneous connection with over 160 devices simple and easy. Just enjoy a fast and smooth experience of multiplayer online game and Ultra HD video.



## Hi, Alexa!

Compatible with Amazon Alexa, which makes everything so easy. You can warmly welcome your guests to enjoy Wi-Fi network by simply saying "Alexa, turn on guest network".

\* More functions of voice control will be released.



## Remote Management in Your Hands

Supports Remote APP Management, easy network setup, parental control and black and list, EX6 brings you an easy remote management through your app in mobile devices.

# Specification

| Hardware Specification |  |
|------------------------|--|
| Processor              | 1.5GHz Quad-Core CPU   |
| RAM                    | 256MB DDR3   |
| RF                     | CE:<br>2.4GHz:19.99dBm(Max.ERIP)<br>5GHz:22.95dBm(Max.ERIP)                  |
| Standard&Protocol      | IEEE802.11a/b/g/n/ac/ax<br>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<br>Output: 12V1.5A                             |
| Dimension              | 86x86x190mm (3.39 x3.39 x 7.48 in)   |
| Wireless Specification |  |
| 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)<br>5GHz: 1201Mbps (802.11ax)                      |
| Frequency              | 2.4G: 2400MHz-2483MHz<br>5G: 5150MHz-5250MHz or 5725MHz-5825MHz              |
| Basic Features         | Beam Forming<br>MU-MIMO<br>AP Steering<br>Band Steering<br>OFDMA<br>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<br>URL Filter<br>Time Limit  |
| Firewall                 | Forbid TCP/UDP flood attack  |
| VPN                      | PPTP Server, PPTP/L2TP Client  |
| Management               | Tenda WiFi APP<br>WEB( <a href="http://tendawifi.com">http://tendawifi.com</a> )             |
| Others                   | Auto-sensing internet connection<br>Guest Network<br>Firmware upgrade online<br>IPv6<br>IPTV |

## Package Contents

|        |   |
|--------|---|
| 3-Pack | Mesh6X* 3, Power adapter x 3, QIG x 1, RJ45 Gigabit Ethernet cable x 1  |
| 2-Pack | Mesh6X * 2, Power adapter x 2, QIG x 1, RJ45 Gigabit Ethernet cable x 1 |
| 1-Pack | Mesh6X * 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                                       |

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