Tenda

All for better networking.

EX6

AX1800 Whole Home Mesh WiFi 6 System

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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^2. Compared with AC1200 Wi-Fi 5 products, E X6 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, E X6 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 ft² from the front door to the backyard with three nodes.

Faster and Reliable Network around You

Compared with AC1200 Wi-Fi 5 products, E X6 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 fromTenda 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 E X6 and it will automatically connect with each other to form a Mesh network. No wiring to enjoy more coverage.

Main Features

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: 2.4GHz:19.99dBm(Max.ERIP) 5GHz:22.95dBm(Max.ERIP)
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 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: 1201Mbps (802.11ax)
Frequency	2.4G: 2400MHz-2483MHz 5G: 5150MHz-5250MHz or 5725MHz-5825MHz
Basic Features	Beam Forming 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(http://tendawifi.com）
Others	Auto-sensing internet connection Guest Network Firmware upgrade online IPv6 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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