Tenda

All for better networking.

5G03

AX1800 Wi-Fi 6 5G NR Router

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AX1800 Wi-Fi 6 5G NR Router

Product Description

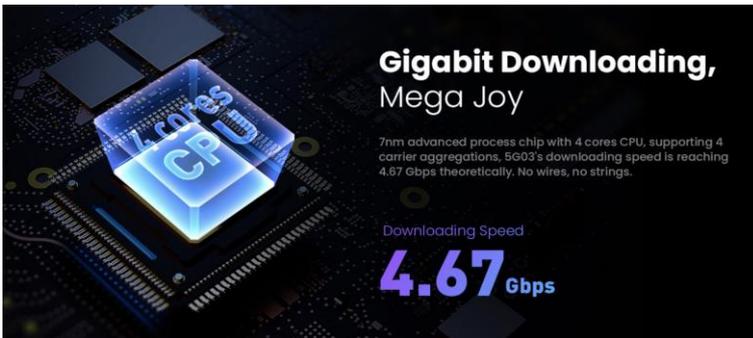**Reintroduce 5G, Rebuild Connection**

All new 5G network, fast WiFi6 and exceptional smart system. With all the new techs, now, introducing 5G03, the innovative Internet access entrance for you, most advanced geek pioneers, and the most advanced internet experience for you. Also, 5G03's deep black and delicate design of texture and highlight on the surface take our progressive geek philosophy to a new dimension.
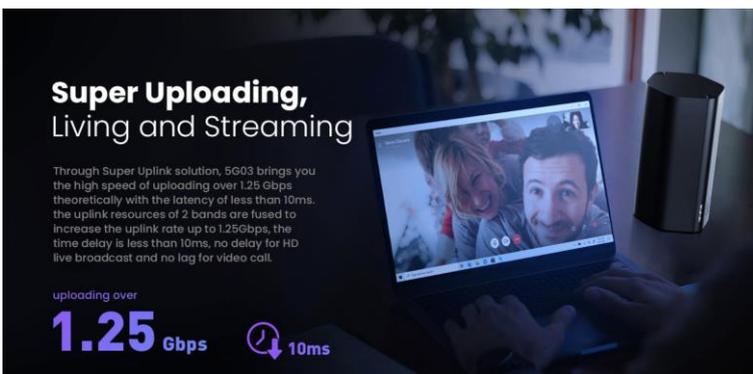
It's all about 5G

Superior 5G, Location Free, Worry Free

Adaptive array formed by 8 smart antennas, with Location-Based Optimization (LBO) tech, Supporting 12 5G and 4G frequency bands perspectivity, 5G03 is making the signals sending and receiving smoothly, blazing-fast your home internet speeds.
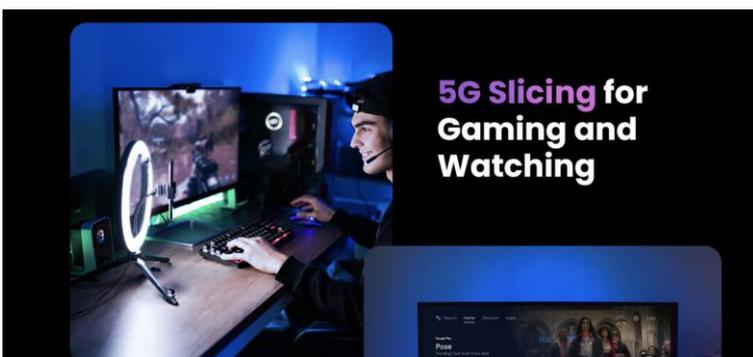

Gigabit Downloading, Mega Joy

7nm advanced process chip with 4 cores CPU, supporting 4 carrier aggregations, 5G03's downloading speed is reaching 4.67 Gbps theoretically. No wires, no strings.

Super Uploading, Living and Streaming

Through Super Uplink solution, 5G03 brings you the high speed of uploading over 1.25 Gbps theoretically with the latency of less than 10ms. the uplink resources of 2 bands are fused to increase the uplink rate up to 1.25Gbps, the time delay is less than 10ms, no delay for HD live broadcast and no lag for video call.

5G Slicing for Gaming and Watching

With 5G Slicing tech, 5G03 can smartly diagnose and choose exclusive Gaming or Watching mode. Smooth switch and smooth experience.

Wi-Fi 6, boost your home Wi-Fi

Ultra Powerful Wi-Fi 6

The latest generation of Wi-Fi 6 (AX1800), supporting MU-MIMO in downloading/uploading, 5G03 brings you all the benefits of new Wi-Fi 6 and works perfectly with all your existing Wi-Fi devices!

Up to 128 Devices, Connect Equally

With OFDMA technology and BSS Coloring mechanism, 5G03 allows you to connect up to 128 devices simultaneously, sharing your happy hours with your friends together!

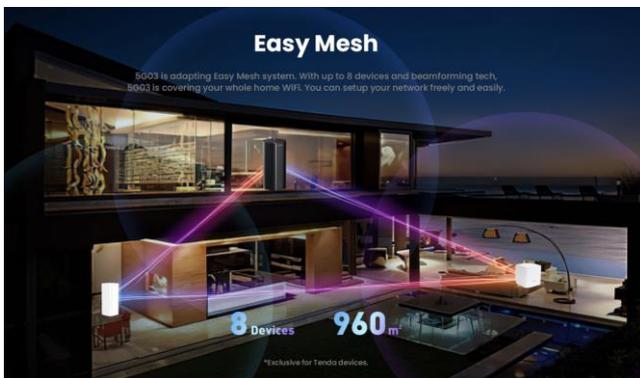### WPA3, New-Gen Security Protocol

Equipped with the next-generation Wi-Fi security standard WPA3, 5G03 increases the algorithm and network password cracking difficulty, protecting your privacy in open Wi-Fi networks.

Smart network, smart experience

Plug and Play

Supports up to twelve 5G bands, integrated with thousands of operators' parameters. Whenever and wherever you are, plug and play.

Easy Mesh

5G03 is adapting Easy Mesh system. With up to 8 devices and beamforming tech, 5G03 is covering your whole home Wi-F. You can setup your network freely and easily.

Intelligent Match

Using Band Steering tech, 5G03 can switch between 2.4 GHz and 5GHz Wi-Fi to suit your devices smartly, always providing stable signals and wonderful surfing experiences.

All for pioneers

Providing advanced tech for all pioneers like you with fantastic Internet experience. 5G03's deep black, delicate design of texture and highlight on the surface take our progressive geek philosophy to a new dimension.

Specification

Hardware Specifications	
Processor	7nm, Quad cores,core frequency 2 GHz
Cellular Technologies	5G/4G/3G Multi-Mode, 5G NR SA/NSA, 4G FDD/TDD LTE,3G WCDMA;
5G NR 3GPP	Release 15
5G NR Peak Download Speed	4.67 Gbps
5G NR Peak Upload Speed	1.25 Gbps
NR Frequency Band	5G NR (Bands n1, n3, n5, n7, n8, n20, n28, n38, n40, n41, n77, n78) FDD-LTE (Bands 1, 3, 5, 7, 8, 20, 28, 32) TD-LTE (Bands 38, 40, 41, 42, 43) WCDMA (850, 900, 2100 MHz)
5G NR Download MIMO	SISO,2*2,4*4;
5G NR Upload MIMO	SISO,2*2;
5G NR Download Modulation	QPSK, 16QAM,64QAM,256QAM
5G NR Upload Modulation	QPSK, 16QAM,64QAM,256QAM
Wireless Connectivity	Wi-Fi 6 (802. 11ax) with 2x2 MIMO
Wi-Fi speed	574Mbps on 2.4 GHz ; 1201Mbps on 5 GHz;
Wi-Fi standards	802. 11b/g/n,802. 11ac,802. 11AX
Wi-Fi frequency	2.4GHz,5GHz
Wi-Fi transmit Power	2.5GHz:up to 20dBm ; 5GHz: up to 23dBm;
Ethernet Ports	1 × 10/100/1000 Mbps LAN/WAN Port
	1 × 10/100/1000 Mbps LAN Port
SIM Card	1 ×Nano-SIM(4FF) Card Slot
Button	1 × Power on/off
	1 × RST hole
	1×MESH/WPS
Antennas and Ports	8 × Internal 5G/4G Antennas; 2 × Internal Wi-Fi Antennas; 2 × TS-9 antennas ports

Specification

Software Specifications	
WAN Type	4G/5G or Wired
5G/4G Features	Auto-APN
	5G SA/NSA dual mode
	Auto dial-up
	5G Location optimization
	5G/4G E-UTRAN New Radio – Dual Connectivity
	Roaming
	SMS(Send/Receive/Delete)
	USSD
	Data limted
	PIN Management
Wi-Fi functions	Broadcast and Hide Wi-Fi name
	Priority 5GHz Wi-Fi
	Guest network
	Wi-Fi schedule
	OFDMA
	MU-MIMO
Wi-Fi security	WPA2/WPA3,WPA/WPA2,WPA2-PSK,WPA-PSK,WEP
Software features	EasyMesh
	Parental control
	DHCP(DHCP Server and Client)
	Virtual Server(UPnP/DMZ/Port Forwarding)
	DDNS(DynDns, 88ip)
	VPN(PPTP Client/L2TP Client/PPTP Server/IPSEC)
	Firewall
	QOS
	Upgrade firmware from local or OTA

Specification

Certifications	
Certifications	FCC Granted
	CE Granted
	ROHS Granted

Working Environment	
Temperature	Operating Temperature: 0℃~40℃ Storage Temperature: -30ºC~70ºC
Humidity	Operating Humidity: 10% ~ 90% RH Non-condensing Storage Humidity: 5% ~ 90% RH Non-condensing

Package lists	
Contents	1 * 5G NR Router 1 * Ethernet cable 1 * Power adapter 1 * User Guide

TENDA TECHNOLOGY CO.,LTD.