

Tenda



All for better networking.

5G01

AX1500 Wi-Fi 6 5G NR Router

www.tendacn.com



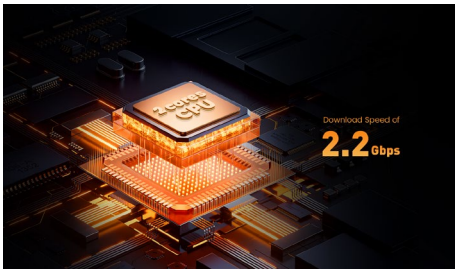
5G01

AX1500 Wi-Fi 6 5G NR Router

Description

The 5G01 is an AX1500 Wi-Fi 6 5G NR router, combining powerful features such as 5G/4G full-network connectivity, ultra-fast gigabit download speeds, Mesh, and plug-and-play convenience. It supports simultaneous Wi-Fi sharing for up to 64 devices. With its lightning-fast 5G network and advanced Wi-Fi 6 technology, coupled with intelligent system support, it provides you with a high-speed, stable, and user-friendly network experience.

Main Features



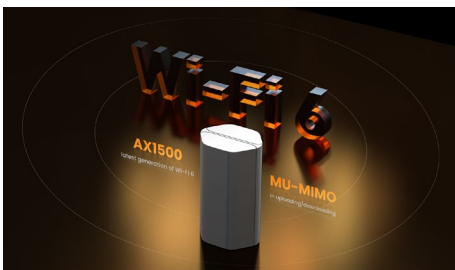
Ultra Gigabit Downloading, One Step Ahead

Featuring a 12nm advanced process chip with a dual-core CPU and support for 4 carrier aggregations, the 5G01 achieves a theoretical download speed of 2.2Gbps, easily enjoy the boundless fun of gaming, e-sports, binge-watching, and more.



Ultra-fast Uploading, Living and Streaming

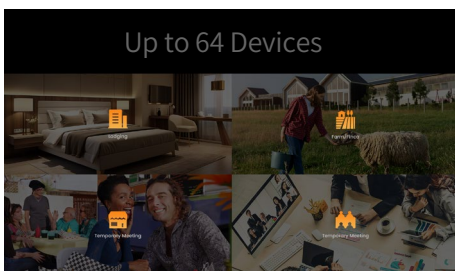
It adopts powerful 5G cellular technology, the uplink speed is boosted to 1Gbps, which is 20 times faster than 4G upload speeds, ensuring smoother and more stable experiences for activities like HD live streaming, video calls, and remote meetings.



Latest generation of Wi-Fi 6

Supports MU-MIMO for both downloading and uploading, simultaneously supports multiple devices to share up to gigabit high-speed Wi-Fi perfectly compatible with your existing Wi-Fi devices.

*Wi-Fi 6 operates only in the 5GHz frequency band.



Up to 64 Devices, Stable Connection

With OFDMA technology and BSS Coloring mechanism, 5G01 allows you to connect up to 64 devices simultaneously, sharing your happy hours with your friends together!

Main Features



Plug and Play, No Configuration Required

Supporting up to twelve 5G bands, integrated with thousands of operators' parameters. Plug and play, anytime, anywhere.



Ultra-wide Coverage with Mesh

5G01 is adapting Tenda Mesh system, allowing multiple satellite routers to easily form a network without the need for configuration, achieving high-speed Wi-Fi coverage throughout large households.

*WiFi+ is exclusive to Tenda devices that support mesh functionality.



Smart Network Backup, Always Use Faster Network

In case of poor network conditions, it can seamlessly transition between wired and 5G networks, ensuring stable signals and an exceptional surfing experience.

Technical Specifications

Hardware Specifications	
Cellular Technologies	5G/4G/3G Multi-Mode, 5G NR SA/NSA, 4G FDD/TDD LTE, 3G WCDMA
5G NR 3GPP	Release 15
4G Category	DL: Cat12/UL: Cat13
5G NR Peak Download Speed	SA: 2 Gbps, NSA: 2.2Gbps
5G NR Peak Upload Speed	SA: 1 Gbps, NSA: 575Mbps
NR Frequency Band	5G SA NR: (Bands n1, n3, n5, n7, n8, n20, n28, n38, n40, n41, n66, n77, n78) 5G NSA NR (Bands n1, n3, n7, n38, n40, n41, n66, n77, n78) FDD-LTE (Bands 1, 2, 3, 4, 5, 7, 8, 20, 28) TDD-LTE (Bands 38, 40, 41, 66) WCDMA (850, 900, 1900, 2100 MHz)
5G NR Download MIMO	n1/n41/n77/n78 4*4 MIMO n28 2*2 MIMO
5G NR Modulation	256QAM
Wireless Connectivity	Wi-Fi 6 (802.11ax) with 2x2 MIMO
Wi-Fi speed	300Mbps 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
Antennas and Ports	4 × Internal 5G/4G Antennas 2 × Internal Wi-Fi Antennas
LED indicators	1 × Internet indicator 1 × 5G/4G signal 1 × Wi-Fi indicator
Dimensions (L*W*H)	92*118.5*196mm
Weight	Net weight: 460 grams Gross Weight: 810 grams

Technical Specifications

Power supply	Power adapter: Input power AC 100V-240V 50/60Hz Output power: DC 12V==1.5A
Software Specifications	
WAN Type	4G/5G or Wired
5G/4G Features	Auto-APN 5G SA/NSA dual mode Auto dial-up 5G Location optimization Roaming SMS(Send/Receive/Delete) USSD Data limited PIN Management
Wi-Fi functions	WPS
Wi-Fi security	WPA3-SAE/WPA2-PSK, WPA2-PSK
Software features	WiFi+ (Mesh) Parental control DHCP(DHCP Server and Client) Guest Wi-Fi Upgrade firmware from local or OTA IPV4/IPV6 dual stack Local/remote management/APP TR069
Working Environment	
Temperature	Operating Temperature: 0°C~40°C Storage Temperature: -30°C~70°C
Humidity	Operating Humidity: 10% ~ 90% RH Non-condensing Storage Humidity: 5% ~ 90% RH Non-condensing
Package lists	
In the Box	1 * 5G NR Router 1 * Ethernet cable 1 * Power adapter 1 * User Guide

SHENZHEN TENDA TECHNOLOGY CO.,LTD.

Tenda Technology Bldg.Int'l E-City,
#1001 Zhong Shan Yuan Rd.,Nanshan District,Shenzhen China.

E-mail:support@tenda.com.cn

Tel:+86-755-2 765 7098

Fax:+86-755- 2765 7178

