

*Tenda*



All for better networking.

**AC23**

AC2100 Dual Band Gigabit WiFi Router

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# AC23

## AC2100 Dual Band Gigabit WiFi Router

### What it does

AC23 is a dual band gigabit wireless router specially designed for households with high speed internet access. It supports 802.11ac wave2 technology and provides WiFi speed up to 2033Mbps (2.4 GHz: 300Mbps, 5GHz: 1733Mbps) to achieve the best performance for your fiber internet connection. Powered by 4X4 MU-MIMO technology of 5GHz band, it provides wider WiFi coverage and faster WiFi speed than regular routers with 3X3 MU-MIMO technology. Equipped with full gigabit ports, it supports up to 1000Mbps bandwidth access. The 28nm 1GHz CPU equipped with 500MHz co-processor, dual-core design brings a faster processing speed and provides optimized operation. Featured with 7\*6dBi external antennas, AC23 outshines in performance and wall penetration capacity.

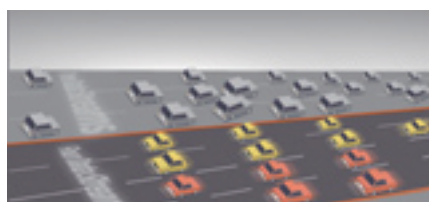
# Main Features

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## AC2100 for Advanced WiFi Speed

AC23 is a dual-band gigabit wireless router, adopted with 802.11 ac wave2 technology and provides speed up to 2033 Mbps to get the most out of your gigabit fiber internet.



## 4x4 MU-MIMO for 5GHz Band

Powered by 4X4 MU-MIMO technology of 5 GHz band, it provides wider WiFi coverage and faster WiFi speed than regular routers with 3X3 MU-MIMO technology.



## Built-in Signal Amplifier for Main Chip

Built-in signal amplifier used both on 2.4GHz and 5GHz bands of AC23 to enhance the penetration capability and expand the WiFi coverage.



## 7\*6dBi External Antennas for Better WiFi Signal

With 7\*6 dBi external antennas and four data streams of 5GHz band, the AC23 can provide optimized WiFi coverage and better 5GHz WiFi signal.



## Support Fiber Internet Up to 1000Mbps

Equipped with full gigabit ports, it supports up to 1000Mbps bandwidth access.



## Dual-core Design Bring a More Stable Operation

The 28nm 1GHz CPU equipped with 500MHz co-processor, dual-core design brings a faster processing speed and provides optimized operation.



## Support IPv6 Protocol

AC23 supports IPv6, it can reduce the data transmission time and minimize the lag, provide a better gaming experience.

# Specification

Hardware Specification			
Standards	IEEE802.3, IEEE802.3u, IEEE802.3ab		
Interface	1*10/100/1000Mbps WAN port; 3*10/100/1000Mbps LAN ports;		
Antenna	7*6dBi external antennas		
Button	1* WPS/Reset button,		
Power	Input : AC 100-240V~50/60Hz 0.6A		
	Output: DC 12V1.5A		
Dimensions	238.9*144.3*40.3mm		
LED Indicator	Sys*1, WAN*1, LAN*1, WiFi/WPS*1		
Wireless Features			
Wireless Standards	IEEE 802.11ac wave2/a/n 5GHz		
	IEEE 802.11b/g/n 2.4GHz		
Environment	5GHz: Up to 1733Mbps		
	2.4GHz: Up to 300Mbps		
Frequency	2.400-2.4835GHz, 5.150-5.250GHz		
Transmit Power	CE: <20dBm(2.4G) <23dBm(5G)		
Basic Features	SSID Broadcast: Enable/Disable;		
	Transmission Power: high, medium, low		
	Beamforming		
	MU-MIMO		
Wireless Security	WPA-PSK/WPA2-PSK, WPA/WPA2;		
	Wireless Security: Enable/Disable;		
	WPS(WiFi Protected Set-up) fast encryption"		
Software Features			
Internet Connection Type	PPPoE, Dynamic IP, Static IP		
	PPPoE(Russia), PPTP(Russia), L2TP(Russia)		
Operating Mode	Wireless Router Mode		
	Universal Repeater Mode		
	WISP Mode		
DHCP Server	DHCP Server	DHCP Client List	DHCP Reservation
Virtual Server	Port Forwarding	DMZ Host	UPnP

# Specification

Software Features		
Security	Client Filter	
	Parental Control(support black list and white list)	
	Remote Web Management	
Firewall	Forbid UDP flood attack	Forbid TCP flood attack
	Forbid flood attack	Forbid WAN PING from internet
DDNS	Support DynDNS, Oray.com, 88ip	
VPN	IPsec pass through	PPTP pass through
	L2TP pass through	PPTP server
	PPTP client	L2TP client
Special Features	Smart Traffic Prioritisation	PPPoE Username/password Clone
	Smart WiFi Schedule	Smart Power Saving
	Smart LED on/off	Tenda Cloud
	Tenda App	
Special Features	Bandwidth Control	Guest Network
	IPTV	MAC Clone
	Static Routing	System Log
	Backup & Restore configurations	Firmware upgrade online
	Firmware upgradeable via browser	Supports IPv6

Software Features	
Temperature	"Operating Temperature: 0°C ~ 40°C; Storage Temperature: -40°C ~ 70°C."
Humidity	"Operating Humidity:10% ~ 90% RH non-condensing; Storage Humidity: 5% ~ 90%RH non-condensing."
Factory Defaul Settings	Default Access: tendawifi.com
Certificates	CE/FCC/RoHS
EIRP Power (Max)	2.400-2.4835GHz:19.86dBm (EIRP); 5.150-5.250GHz:22.96dBm (EIRP)
Package Contents	Wireles Router*1 Power Adapter *1 Install Guide*1 Ethernet Cable*1"



## 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:+86-755-2765 7098

Fax:+86-755-2765 7178

**EU DECLARATION OF CONFORMITY (No. TWL20AC23)**

SHENZHEN TENDA TECHNOLOGY CO., LTD., registered at Tower E3, No. 1001,  
Zhongshanyuan Road, Nanshan District, Shenzhen, China.

We, as manufacturer, declare under our sole responsibility that the product:

**Product Name:** AC2100 Dual Band Gigabit WiFi Router

**Model No.:** AC23

**Software Version:** V16.03.09.14

To which this declaration relates is in conformity with the following normative  
European and International standard(s):

**Health & Safety (Directive 2014/53/EU Art. 3(1)(a))**

EN 62368-1:2014+A11:2017; EN 50385: 2017(MPE); EN 50581: 2012 (RoHS)

**EMC (Directive 2014/53/EU Art. 3(1)(b))**

EN 301 489-1 V2.2.3 (2019-11); EN 301 489-17 V3.2.2 (2019-12)

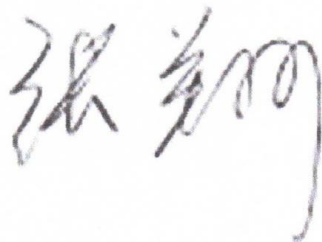
**Radio Spectrum (Directive 2014/53/EU Art. 3(2))**

EN 300 328 V2.2.2 (2019-07); EN 301 893 V2.1.1 (2017-05)

**By conformance with the standard(s) referenced, this product follows the provisions of the  
directives listed below:**

Radio Equipment Directive 2014/53/EU; RoHS Directive 2011/65/EU; Commission Delegated  
Directive (EU) 2015/863

Signed for and on behalf of: SHENZHEN TENDA TECHNOLOGY CO., LTD.



Zhang Xiang  
Sales manager of international business

Place of issue: Shenzhen, China

Date of issue: Jul.-10-2021



**ΕΥ Δήλωση Συμμόρφωσης (No. TWL20AC23)**

Η SHENZHEN TENDA TECHNOLOGY CO., LTD., που εδρεύει στον Πύργο Ε3,  
No.1001, Zhongshanyuan δρόμο, περιοχή Nanshan, Shenzhen, China.

Εμείς, ως κατασκευαστής, δηλώνουμε με αποκλειστική μας ευθύνη ότι το προϊόν

**Όνομα προϊόντος:** AC2100 Dual Band Gigabit WiFi Router

**Μοντέλο:** AC23

**Έκδοση Προγράμματος:** V16.03.09.14

Το οποίο αφορά η παρούσα δήλωση είναι σύμφωνο με τα ακόλουθα κανονιστικά  
Ευρωπαϊκά και Διεθνή πρότυπα (α):

**Υγεία & Ασφάλεια (Οδηγία 2014/53/EU Art. 3(1)(a))**

EN 62368-1:2014+A11:2017; EN 50385: 2017(MPE); EN 50581: 2012 (RoHS)

**EMC (Οδηγία 2014/53/EU Art. 3(1)(b))**

EN 301 489-1 V2.2.3 (2019-11); EN 301 489-17 V3.2.2 (2019-12)

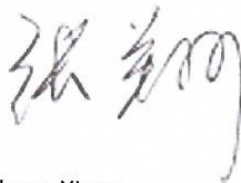
**Φάσμα Ραδιοσυχνοτήτων (Οδηγία 2014/53/EU Art. 3(2))**

EN 300 328 V2.2.2 (2019-07); EN 301 893 V2.1.1 (2017-05)

**Σύμφωνα με τα αναφερόμενο(α) πρότυπα, αυτό το προϊόν ακολουθεί τις διατάξεις των  
οδηγιών που αναφέρονται παρακάτω:**

Οδηγία για Ραδιοεξοπλισμό 2014/53/EU; RoHS Οδηγία 2011/65/EU; Κατ' εξουσιοδότηση  
Οδηγία της Επιτροπής (ΕΕ) 2015/863

Υπογράφηκε για λογαριασμό και εξ' ονόματος της: SHENZHEN TENDA TECHNOLOGY CO.,LTD.



Zhang Xiang

Υπεύθυνος πωλήσεων διεθνών επιχειρήσεων

Τόπος έκδοσης: Shenzhen, China

Ημερομηνία έκδοσης: Jul.-10-2021

