

*Tenda*



All for better networking.

**AC23**

AC2100 Dual Band Gigabit WiFi Router

# Link



## 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.

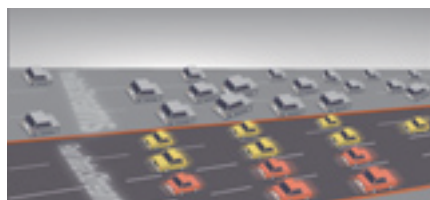
# Main Features

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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;<br>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℃ ~ 40℃;<br>Storage Temperature: -40℃ ~ 70℃."                            |
| Humidity                 | "Operating Humidity:10% ~ 90% RH non-condensing;<br>Storage Humidity: 5% ~ 90%RH non-condensing." |
| Factory Default 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         | Wireless Router*1                                                                                 |
|                          | Power Adapter *1                                                                                  |
|                          | Install Guide*1                                                                                   |
|                          | Ethernet Cable*1"                                                                                 |



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