

ATHENA-R2 HIGH POWER™ AC2600 WI-FI® ROUTER WITH MU-MIMO

The **ATHENA-R2** is the ultimate router for the multi-device household. Built with a 1.3GHz Quad-Core Processor, 16 high power amplifiers, and 4 high gain antennas, the ATHENA-R2 delivers unmatched Wi-Fi performance. It is equipped to provide unprecedented coverage, speed, and reliability for the most demanding networks with many connected devices. Extremely fast AC2600 Wi-Fi technology provides up to 2.53Gbps, making lag and buffering a thing of the past for everyone.³ The ATHENA-R2 also features cutting edge MU-MIMO technology that enables multiple devices to receive data at once, granting uninterrupted streaming for all.²

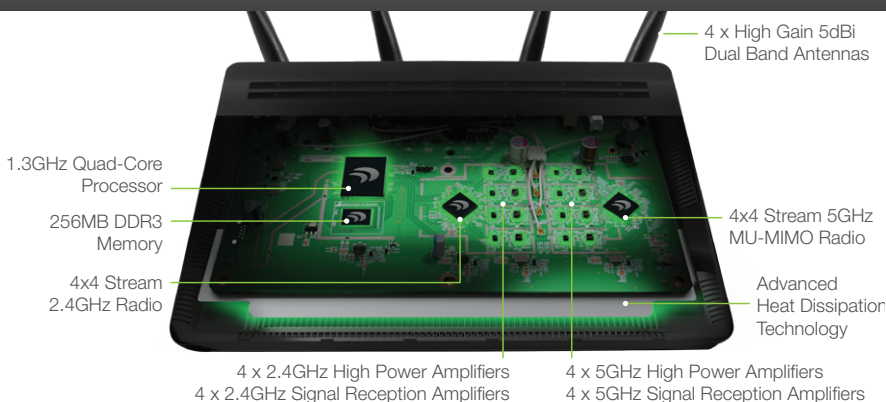


HOW MU-MIMO WORKS

Standard routers stream data to just one device at a time, but the **ATHENA-R2** with MU-MIMO streams data to multiple devices at once. This means increased Wi-Fi speeds and overall better performance for all connecting devices.²



HIGH POWER TECHNOLOGY



A total of 16 amplifiers, a powerful Quad-Core Processor and 4 Antenna Technology deliver unprecedented performance, reliability and coverage.

ULTIMATE RANGE

KEY FEATURES

- Maximum Wi-Fi Range**
High Power Wi-Fi for whole home or whole office coverage
- 16 Powerful Amplifiers & 4 Antennas**
Amplify Wi-Fi to the max with advanced amplifiers and 4 antennas
- Advanced Multi-User MIMO**
Deliver data to multiple devices at once for a boost in performance and up to 4X more speed²
- Unmatched AC2600 Wi-Fi Speeds**
Move faster than ever with speeds up to 2.53Gbps: 2.4GHz 800Mbps + 5GHz 1733Mbps³
- 4x4 4 Antenna Technology**
Advanced 4 antenna, 4 stream architecture strengthens connections & covers more ground
- High Power Quad-Core Processor**
A 1.3GHz quad-core processor handles heavy traffic with ease, for the best Wi-Fi experience
- Advanced Security Features**
Adjust the coverage of your network, block websites and utilize SPI Firewall
- Beamforming Technology**
Strengthen Wi-Fi connections with focused Wi-Fi streams for each connected device
- 4K Ultimate Gaming, HD & 4K**
Seamlessly stream HD and 4K content to multiple devices and eliminate gaming lag
- Bandwidth Optimization**
Prioritize bandwidth for specific applications, networks and devices on your network
- Share Files with USB 3.0**
Attach a USB drive to share files, locally or remotely, at faster speeds than ever before
* USB Storage device not included.



Actual component placement and size may differ.

PRODUCT COMPARISON

SPEED PERFORMANCE

	Standard 802.11ac Router	ARTEMIS High Power AC1300 Router RTA1300M	TITAN High Power AC1900 Router RTA1900	ATHENA-R2 High Power AC2600 Router RTA2600-R2
AC750 Dual Band N+AC Speeds	●			
AC1300 Dual Band N+AC Speeds		●		
AC1900 Dual Band N+AC Speeds			●	
AC2600 Dual Band N+AC Speeds				●

COVERAGE

	Standard 802.11ac Router	ARTEMIS High Power AC1300 Router RTA1300M	TITAN High Power AC1900 Router RTA1900	ATHENA-R2 High Power AC2600 Router RTA2600-R2
Number of Amplifiers		8	14	16
Extreme Range		●		
Ultimate Range			●	●

ANTENNAS

	Standard 802.11ac Router	ARTEMIS High Power AC1300 Router RTA1300M	TITAN High Power AC1900 Router RTA1900	ATHENA-R2 High Power AC2600 Router RTA2600-R2
External		2	4	4
High Gain		●	●	●
4 Antenna Technology			●	●

KEY FEATURES

	Standard 802.11ac Router	ARTEMIS High Power AC1300 Router RTA1300M	TITAN High Power AC1900 Router RTA1900	ATHENA-R2 High Power AC2600 Router RTA2600-R2
4X Stream Wi-Fi				●
MU-MIMO Technology		●		●
Dual-Core Processor			●	
Quad-Core Processor		●		●
Advanced Prioritizations (QoS)		●	●	●
USB 2.0 Storage			●	●
USB 3.0 Storage		●	●	●
Gigabit Ports		4	4	4
Smart Security / Parental Controls		●	●	●

2.4GHz | 5GHz SIMULTANEOUS

WORKS WITH
802.11 a/b/g/n AC

TECHNICAL SPECIFICATIONS

Frequency Bands: 2.4GHz/5GHz 802.11a/b/g/n/ac

Wireless Speed: 2.4GHz 800Mbps +

5GHz 1733Mbps (simultaneous)

Processor: High Power 1.3GHz Quad-Core Processor

Memory: 128MB Flash, 256MB DDR3

Amplifiers: 4 x 2.4GHz Amplifiers

4 x 5GHz Amplifiers

8 x Low Noise Amplifiers

Antennas: 4 x Detachable High Gain 5dBi Dual Band Antennas

Ports: 1 x RJ-45 10/100/1000M (WAN)

4 x RJ-45 10/100/1000M (LAN)

1 x USB 3.0 Port

1 x USB 2.0 Port

PACKAGE CONTENTS

• ATHENA-R2

High Power AC2600 Wi-Fi Router with MU-MIMO

• 4 x Detachable High Gain Dual Band Antennas

• Power Adapter (100-240v)

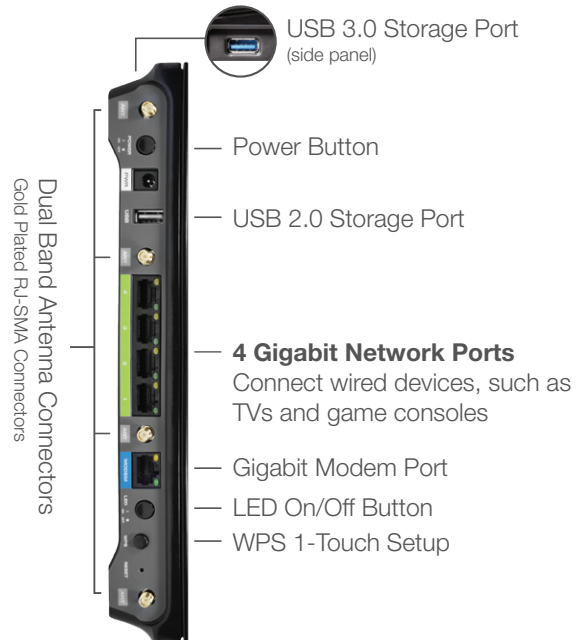
• RJ-45 Ethernet Cable

• Setup Guide

SYSTEM REQUIREMENTS

• Broadband Internet modem with Ethernet port

• Computer with wired or wireless network adapter



Designed by Amped Wireless in the USA

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Specifications are subject to change without notice.

¹ Range specifications are based on performance test results. Actual performance may vary due to differences in operating environments, building materials and wireless obstructions. Performance may increase or decrease over the stated specification. Wireless coverage claims are used only as a reference and are not guaranteed as each wireless network is uniquely different. Maximum wireless signal rate derived from IEEE 802.11 standard specifications. Actual data throughput may vary as a result of network conditions and environmental factors. Output power specifications are based on the maximum possible radio output power plus antenna gain. May not work with non-standard Wi-Fi devices such as those with proprietary software or drivers. Supports all Wi-Fi standards that are compatible or backwards compatible with 802.11a/b/g/n/ac Wi-Fi standards.

² For MU-MIMO to work, additional MU-MIMO capable devices must be connected to the network. To achieve the "up to 4X" data rate increase, four or more 1x1 MU-MIMO devices are needed with optimal network environment conditions.

³ All transmission rates listed, for example 800Mbps for 2.4GHz and 1733Mbps for 5GHz, are the physical data rates. Actual data throughput will be lower and may depend on external factors as well as the combination of devices connected to the router. AC2600 wireless speeds are achieved when connecting to other AC2600 capable devices.

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