amped | wireless

ATHENA
HIGHPOWER™ AC2600
WI-FI® ROUTER WITH MU-MIMO

The **ATHENA** is the ultimate router for the multi-device household. Built with a 1.4GHz Qualcomm® Dual Core Processor, 16 high power amplifiers, and 4 high gain antennas, the ATHENA 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 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** 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]
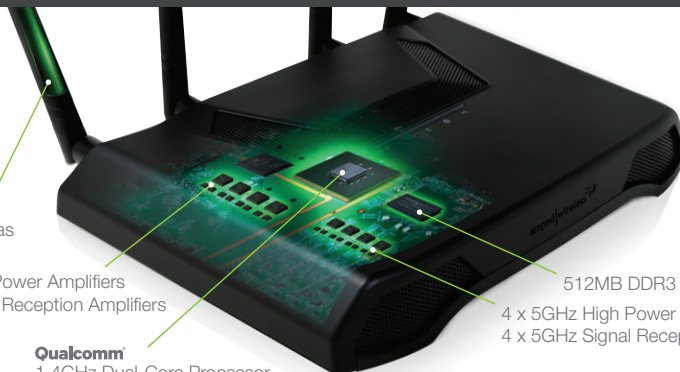

ATHENA
Multi-User MIMO

Standard Router
Single-User MIMO

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

Multi User MIMO
Deliver data to multiple devices at once for a boost in performance and up to 3X more speed[2]

Unmatched AC2600 Wi-Fi Speeds
Move faster than ever with speeds up to 2.53Gbps: 2.4GHz 800Mbps + 5GHz 1733Mbps[3]

4 Simultaneous Wi-Fi Streams
Achieve the fastest speeds for maximum performance and connection reliability

High Power Qualcomm® Processor
A 1.4GHz dual 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

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* and instantly share files at blazing-fast speeds, locally or remotely
* USB Storage device not included.

HIGH POWER TECHNOLOGY

A total of 16 advanced amplifiers, 4 high gain antennas and a powerful 1.4GHz Dual-Core Qualcomm® processor deliver unprecedented Wi-Fi performance and coverage.

4 x High Gain 5dBi Dual Band Antennas

4 x 2.4GHz High Power Amplifiers
4 x 2.4GHz Signal Reception Amplifiers

Qualcomm® 1.4GHz Dual-Core Processor

512MB DDR3 Memory

4 x 5GHz High Power Amplifiers
4 x 5GHz Signal Reception Amplifiers

Actual component placement and size may differ.

ATHENA
Output Power: Up to 800mW[1]

Standard Router
Up to 50mW

PRODUCT COMPARISON

	Standard 802.11ac Router	High Power AC1750 Router **RTA1750**	*TITAN* High Power AC1900 Router **RTA1900**	*ATHENA* High Power AC2600 Router **RTA2600**
SPEED PERFORMANCE				
AC750 2.4GHz: 300Mbps + 5GHz: 433Mbps	●			
AC1750 2.4GHz: 450Mbps + 5GHz: 1300Mbps		●		
AC1900 2.4GHz: 600Mbps + 5GHz: 1300Mbps			●	
AC2600 2.4GHz: 800Mbps + 5GHz: 1733Mbps				●
OUTPUT POWER / COVERAGE				
Number of Amplifiers		12	14	16
Up to 800mW | Extreme Range		●		
Up to 800mW | Ultimate Range			●	●
ANTENNAS				
External | High Gain		●	●	●
Detachable		3	4	4
4 Antenna Technology			●	●
KEY FEATURES				
4X Stream Wi-Fi				●
MU-MIMO Technology				●
1GHz Dual Core Processor			●	
1.4GHz Dual Core Processor				●
Advanced Prioritizations (QoS)			●	●
USB 3.0 Storage			●	●
USB 2.0 Storage		●	●	●
Gigabit Ports		●	●	●
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: Qualcomm® 1.4GHz Dual Core Processor
Memory: 128MB Flash, 512MB 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)
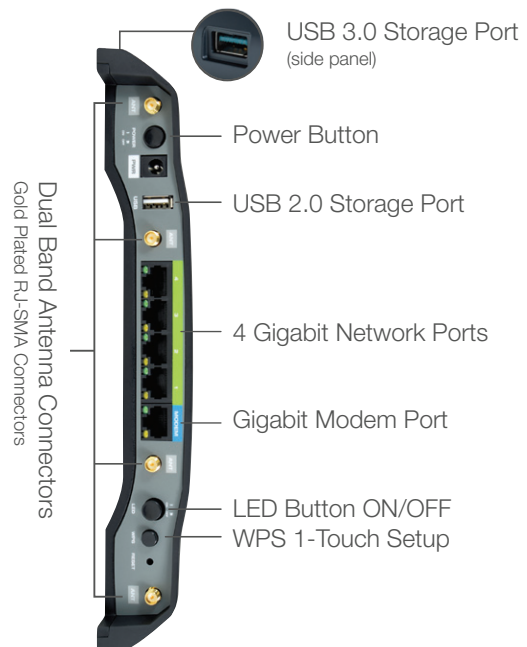   1 x USB 3.0 Port
          1 x USB 2.0 Port

PACKAGE CONTENTS

- **ATHENA**
  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
- CD: User's Guide & Installation Video

SYSTEM REQUIREMENTS

- Broadband Internet modem with Ethernet port
- Computer with wired or wireless network adapter

USB 3.0 Storage Port
(side panel)

Power Button

USB 2.0 Storage Port

4 Gigabit Network Ports

Gigabit Modem Port

LED Button ON/OFF
WPS 1-Touch Setup

Dual Band Antenna Connectors
Gold Plated RJ-SMA Connectors