

# HELIOS HIGH POWER™ AC2200 TRI-BAND WI-FI® ROUTER

The HELIOS is a powerful tri-band router, specially designed for multi-device households. It's Quad-Core ARM Processor, 12 high power amplifiers, and 4 total high gain antennas deliver whole home Wi-Fi coverage at blazing-fast speeds. This tri-band router makes lag and buffering things of the past by delivering not just one, but two 5GHz networks to connect to. With 3 total bands, your entire network will be less congested and everything will move faster. The HELIOS also features cutting edge MU-MIMO technology that enables multiple devices to receive data at once, granting uninterrupted streaming for all. Whole-home Wi-Fi coverage is here, with HELIOS.



**Ultimate Wi-Fi Coverage**  
Bring long range, reliable Wi-Fi to your entire home or office¹



**Tri-Band Technology**  
Three Wi-Fi bands means more bandwidth for everyone



**Eliminate Wi-Fi Dead Spots**  
Amplify Wi-Fi to the max with 12 amplifiers and 4 high gain antennas



**AC2200 Wi-Fi Speeds**  
Speeds up to: 2.4GHz 399Mbps, 5GHz (1) 866Mbps + 5GHz (2) 866Mbps²



**MU-MIMO Technology**  
Deliver data to multiple devices at once for a boost in performance and speed³



**Wi-Fi Coverage Control**  
Adjust the distance of your Wi-Fi network for more control



**Guest Networks & User Access**  
Create up to 8 networks for guests and restrict access to specific users

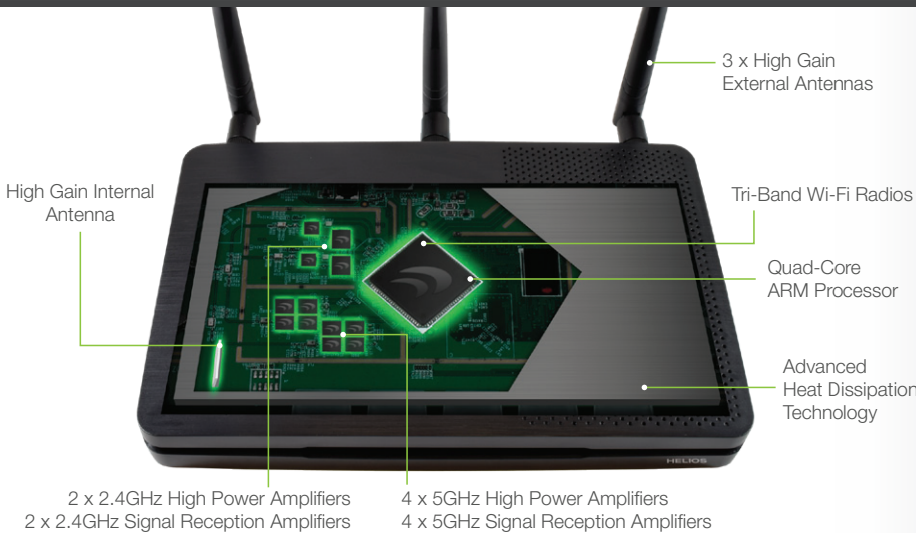


**AirPlay®, AirPrint™, & Home Sharing**  
Compatible with all Apple networking features



**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.

## HIGH POWER TECHNOLOGY



Actual component placement and size may differ.

## TRI-BAND TECHNOLOGY

Advanced Tri-Band Technology allows you to spread your Wi-Fi usage across three bands. This means more bandwidth for more devices, so more demanding activities like 4K video streaming can happen with ease without slowing down performance for other devices.

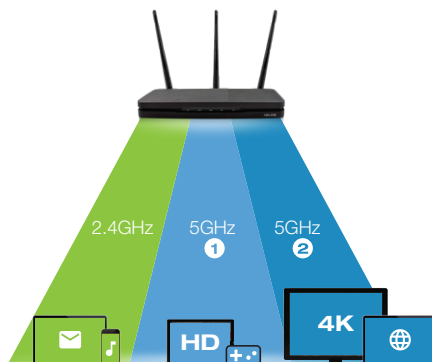
### 2.4GHz Band

Web browsing, streaming music, & email

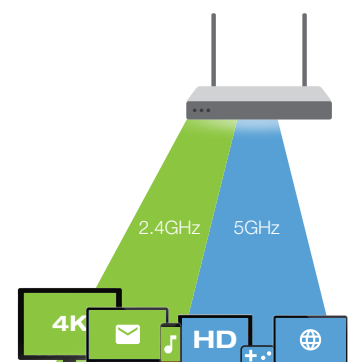
### 5GHz (1) & 5GHz (2) Bands

Gaming, HD and 4K streaming, & smart TVs

Tri-Band - Less congested, faster



Dual-Band - Very congested, slower



### PRODUCT COMPARISON

**ARTEMIS** High Power AC1300 Router **RTA1300M**  
**TITAN** High Power AC1900 Router **RTA1900**  
**HELIOS** High Power AC2200 Tri-Band Router **RTA2200T**  
**ATHENA-R2** High Power AC2600 Router with MU-MIMO **RTA2600-R2**

#### SPEED PERFORMANCE

AC1300 Dual Band N+AC Speeds	●		●	
AC1900 Dual Band N+AC Speeds		●	●	
AC2200 Dual Band N+AC Speeds			●	
AC2600 Dual Band N+AC Speeds			●	●

#### OUTPUT POWER / COVERAGE

Number of Amplifiers	8	14	12	16
Up to 800mW   Extreme Range	●		●	
Up to 800mW   Ultimate Range		●	●	●

#### ANTENNAS

External   Detachable	●	●	●	●
Dual Band	●	●	●	●

#### KEY FEATURES

Tri-Band Technology			●	
Gigabit Wired Ports	4	4	4	4
Dual-Core Processor	●	●	●	●
Quad-Core Processor			●	
USB 2.0 Storage		●	●	●
USB 3.0 Storage	●	●	●	●

### TECHNICAL SPECIFICATIONS

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

Wireless Speed: 2.4GHz 399Mbps

5GHz 866Mbps

5GHz 866Mbps

Processor: Quad-Core

Memory: 128MB DDR3

Amplifiers: 2 x 2.4GHz Amplifiers

4 x 5GHz Amplifiers

2 x 2.4GHz Low Noise Amplifiers

4 x 5GHz Low Noise Amplifiers

Antennas: 3 x Detachable High Gain 5dBi Antennas

1 x Internal High Gain Antenna

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

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

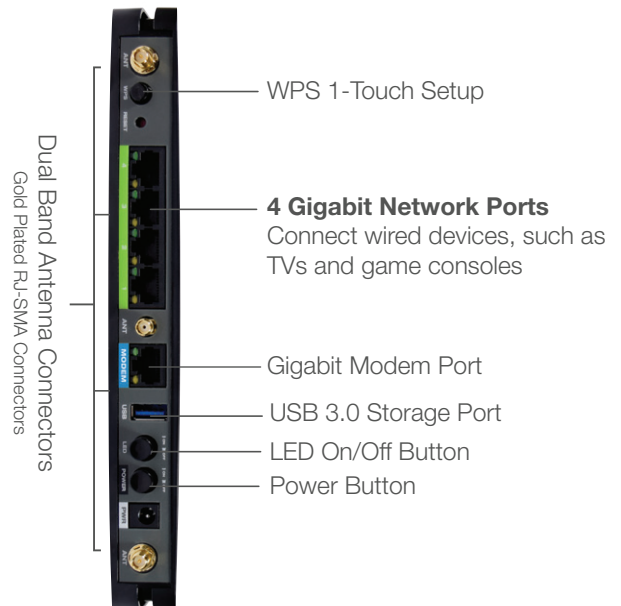
1 x USB 3.0 Port

### PACKAGE CONTENTS

- HELIOS High Power AC2200 Tri-Band Wi-Fi Router
- 3 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

Amped Wireless  
13089 Peyton Dr. #C307  
Chino Hills, CA 91709

www.ampedwireless.com

1 (888) 573-8830

Specifications are subject to change without notice.

<sup>1</sup> 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.

<sup>2</sup> All transmission rates listed, for example 399Mbps for 2.4GHz, 866Mbps for 5GHz (1), and 866Mbps for 5GHz (2), 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. AC2200 wireless speeds are achieved when connecting to other AC2200 capable devices.

<sup>3</sup> For MU-MIMO to work, additional MU-MIMO capable devices must be connected to the network. To achieve the "up to 3X" data rate increase, three or more 1x1 MU-MIMO devices are needed with optimal network environment conditions.