amped | wireless

HIGH POWER 700mW DUAL BAND AC WI-FI ACCESS POINT

UP TO **8,000** SQ* FT

MORE POWER = MORE RANGE

APA20

The Amped Wireless High Power 700mW Dual Band AC Wi-Fi Access Point adds long range, Wi-Fi access for existing wired networks or networks with older wireless technology. The APA20 is equipped with a total of ten amplifiers, two 2.4GHz amplifiers, four 5.0GHz amplifiers, four low noise amplifiers, and three high gain antennas to provide extreme range, gigabit Wi-Fi coverage. Powered by 802.11ac Wi-Fi technology the APA20 provides gigabit Wi-Fi speeds (AC1200: three times faster than 802.11n) with enough bandwidth to deliver multiple HD streams simultaneously to all of your Wi-Fi devices for next generation Wi-Fi access throughout your entire home, backyard or office. True Plug and Play set up, makes setup as simple as connecting the Access Point to your router's network port. No software or additional setup needed.

2.4GHz 5.0GHz SIMULTANEOUS

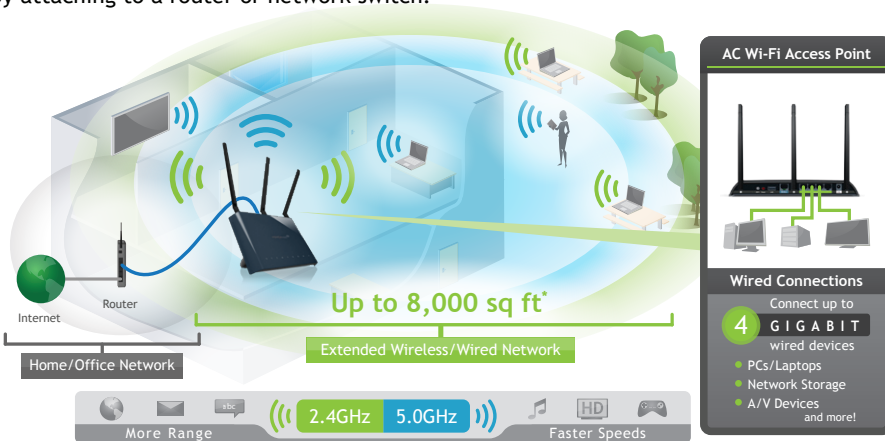GIGABIT WI-FI 802.11 a/b/g/n **AC**

KEY FEATURES

Extreme Dual Band Range
Simultaneous dual band Wi-Fi, great for large homes and offices

Powerful 2 Stage Amplifiers
Double amplification helps Wi-Fi penetrate walls

Ultra-Fast AC Wi-Fi Technology
AC1200: 2.4GHz 300Mbps + 5.0GHz 867Mbps Wi-Fi data transfer speeds

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

Wi-Fi Coverage Control
Adjust the distance of your wireless network

True Plug-and-Play Setup
No software or configuration needed.

USB Storage Support
Share files from a USB storage device*

Additional Gigabit Ports
Connect up to 4 additional wired devices

Works with AirPlay® & AirPrint™
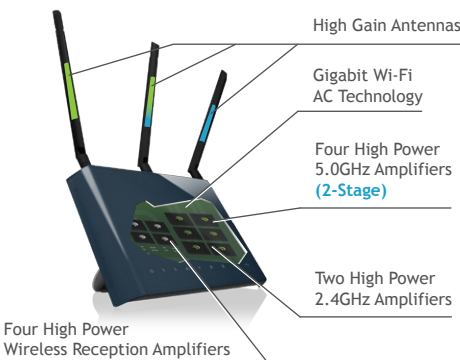Works great with Apple® networking features

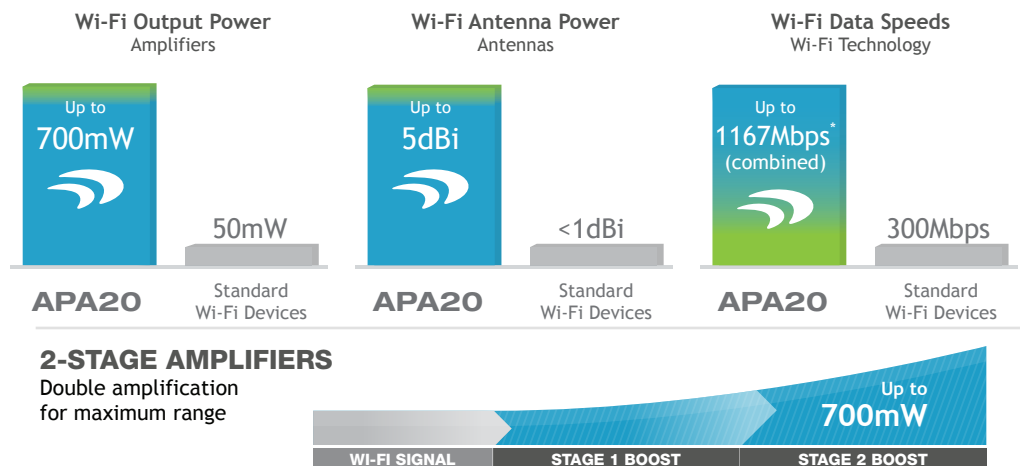* USB Storage device not included.

HOW IT WORKS

The APA20 Access Point adds ultra-fast, long range Wi-Fi access to any existing network by attaching to a router or network switch.

Internet

Router

Home/Office Network

Up to 8,000 sq ft*

Extended Wireless/Wired Network

More Range   2.4GHz 5.0GHz   Faster Speeds

AC Wi-Fi Access Point

Wired Connections
Connect up to
4 GIGABIT
wired devices
- PCs/Laptops
- Network Storage
- A/V Devices
  and more!

AMPED TECHNOLOGY

High Gain Antennas

Gigabit Wi-Fi AC Technology

Four High Power 5.0GHz Amplifiers **(2-Stage)**

Two High Power 2.4GHz Amplifiers

Four High Power Wireless Reception Amplifiers

2-Stage Amplifiers boost a single Wi-Fi signal twice using two amplifiers for maximum performance.

Wi-Fi Output Power
Amplifiers

Up to **700mW** APA20

50mW — Standard Wi-Fi Devices

Wi-Fi Antenna Power
Antennas

Up to **5dBi** APA20

<1dBi — Standard Wi-Fi Devices

Wi-Fi Data Speeds
Wi-Fi Technology

Up to **1167Mbps*** (combined) APA20

300Mbps — Standard Wi-Fi Devices

2-STAGE AMPLIFIERS
Double amplification for maximum range

Up to 700mW

WI-FI SIGNAL   STAGE 1 BOOST   STAGE 2 BOOST

mW = Milliwatt (Output Power Measurement)   dBi = Decibel (Antenna Gain Measurement)

PRODUCT FEATURE SET & PERFORMANCE COMPARISON

	Standard Access Point	N300 Access Point **AP300**	N600 Dual Band Access Point **AP20000G**	AC1200 Dual Band AC Access Point **APA20**
SPEED PERFORMANCE				
150Mbps Wireless-N Speeds	●			
300Mbps Wireless-N Speeds		●		
600Mbps Dual Band N600 Speeds			●	
Up to 1,167Mbps Dual Band N+AC Speeds				●
OUTPUT POWER/COVERAGE				
50mW / Limited	●			
Up to 100mW / 5,000 sq ft		●		
Up to 600mW / 7,500 sq ft			●	
Up to 700mW / 8,000 sq ft				●
Dual Band Amplifiers			●	●
Advanced 2-Stage Amplifiers				●
ANTENNAS				
External - High Gain		●	●	●
Detachable Antennas		②	②	③
Dual Band			●	●
KEY FEATURES				
Adjustable Wi-Fi Coverage		●	●	●
User Access Scheduling		●	●	●
Gigabit Ports & Power Processor		●	●	●
Plug-and-Play Setup		●	●	●
Simultaneous Dual Band Less Interference			●	●
USB Storage Support			●	●

TECHNICAL SPECIFICATIONS:

Wireless Standard: 802.11a/b/g/n/ac
Frequency Band: 2.4GHz/5.0GHz
Wireless Speed: 2.4GHz 300Mbps +
5.0GHz 867Mbps (simultaneous)
Amplifiers: 2 x 2.4GHz Amplifiers
4 x 5.0GHz Amplifiers (2-stage)
4 x Low Noise Amplifiers
Wireless Security: WEP, WPA, WPA2, WPA Mixed, WPS
Wireless Access Scheduling: Specific day and time
Wireless Coverage Control: 15%-100% Output Power
Guest Wireless Networks (Up to 8 Additional)
Parental Controls (Website Blocking)
User Access Control (MAC, IP Filtering)
Antenna: 1 x Detachable High Gain 2.4GHz Antenna
1 x Detachable High Gain 5.0GHz Antenna
1 x Detachable High Gain Dual Band Antenna
Ports: 1 x RJ-45 10/100/1000M (To Router)
4 x RJ-45 10/100/1000M (LAN)
1 x USB 2.0 Port for USB Storage
Warranty: 1 Year

SETUP REQUIREMENTS:

- A router or network switch with an available network (LAN) port
- Computer with wired (RJ-45) or wireless (802.11a/b/g/n or ac) adapter

PRODUCT CONTENTS:

- High Power 700mW Dual Band AC Wi-Fi Access Point
- Detachable High Gain 2.4GHz Antenna
- Detachable High Gain 5.0GHz Antenna
- Detachable High Gain Dual Band Antenna
- Power Adapter (100-240v)
- RJ-45 Ethernet Cable
- Setup Guide
- CD: User's Guide
- Desktop Stand / Cable Organizer

DESKTOP STAND / CABLE ORGANIZER

Specifications are subject to change without notice.

* Range specifications are based on performance test results. Actual performance may vary due to differences in operating environments, building materials and wireless obstructions. 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. AC1200 wireless signal speeds achieved when connecting to other 802.11ac devices.

Designed by Amped Wireless in the USA

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