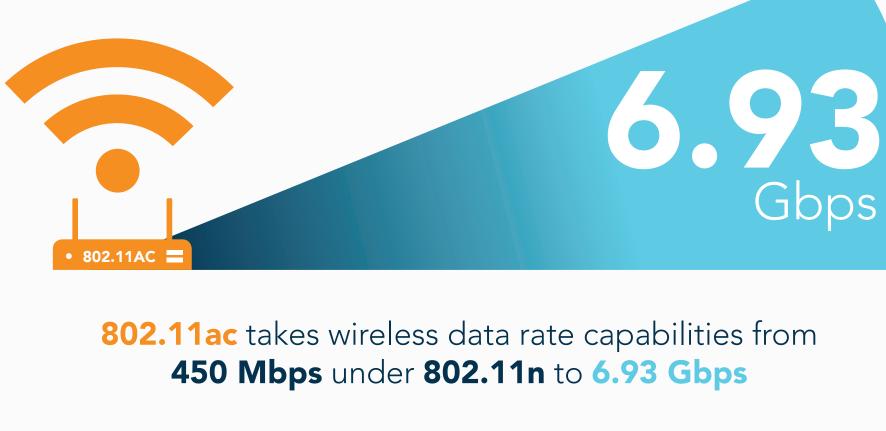
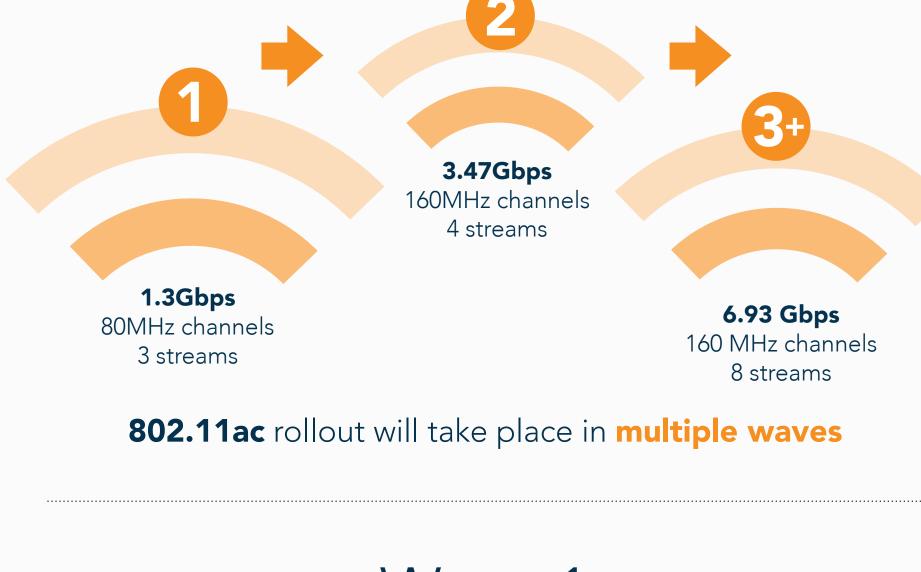


The ABCs of 802.11ac

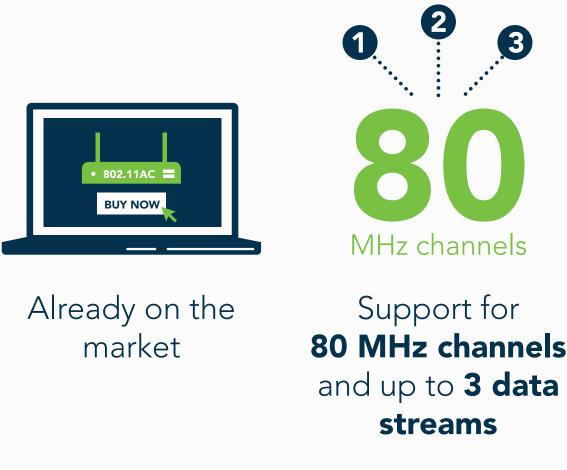
Gbps







Wave 1 802.11ac



Wave 2

Maximum data rate of **1.3 Gbps** 

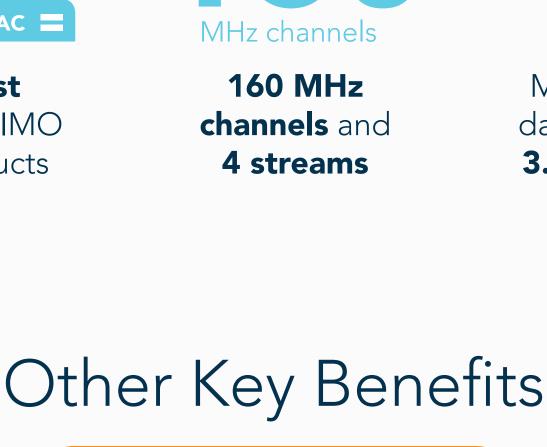
802.11ac Coming Soon WAVE 2 / 802.11AC

3.47 Gbps

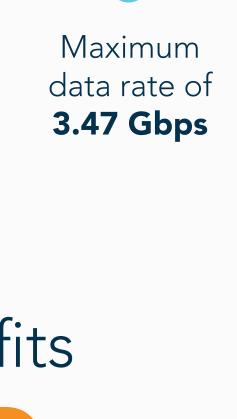


• 802.11AC

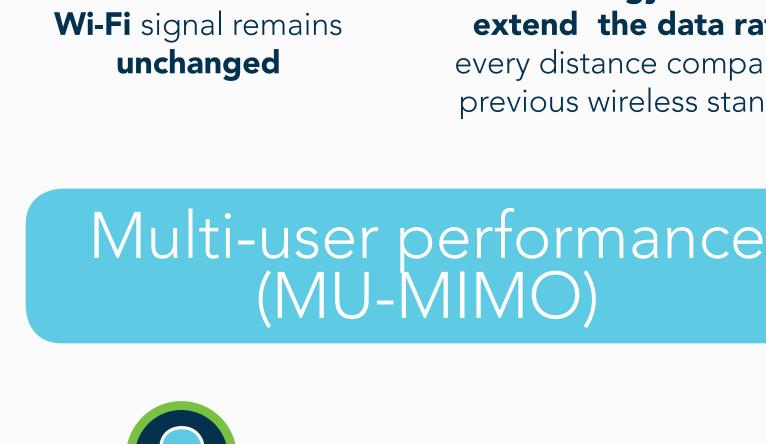
**First** 

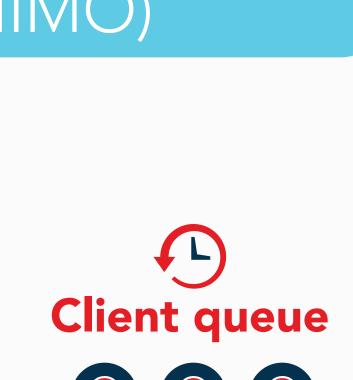


Rate at range



## Wi-Fi Reach unchanged The maximum reach of **Technology advances**



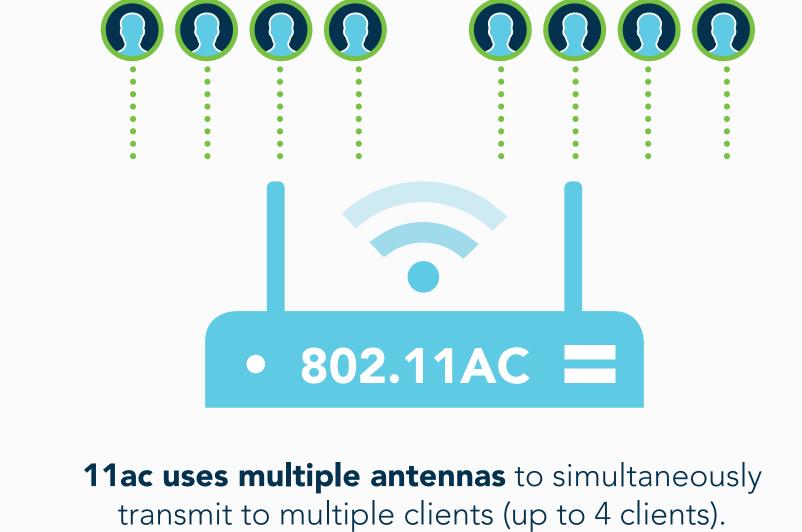


extend the data rate at

every distance compared to

previous wireless standards





Congestion This helps avoid slow throughput due to congestion

This is like a 4 port wired switch



Legacy Client

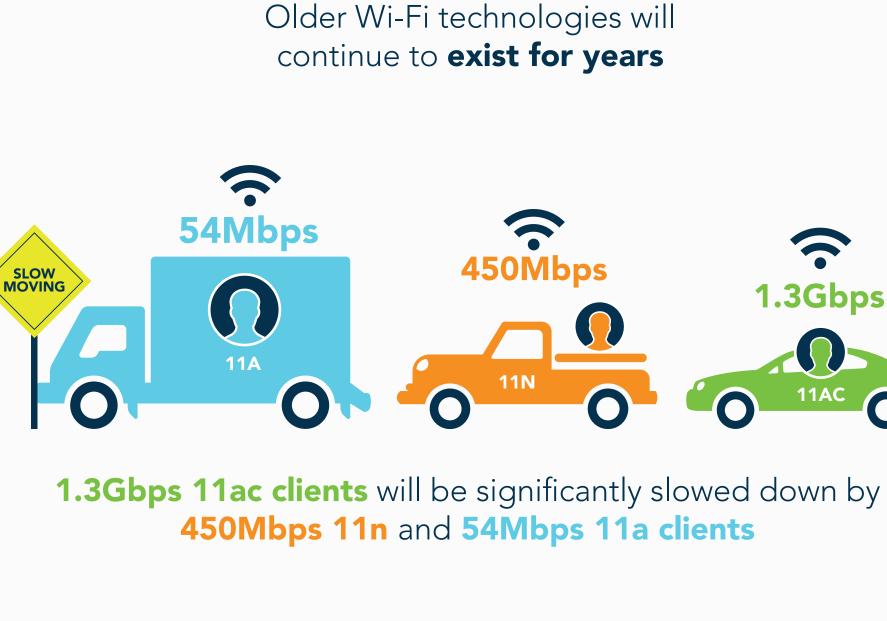
Impact

1997

5GHz 11n

**Today** 

5 GHz 11ac



Up to Gbps.

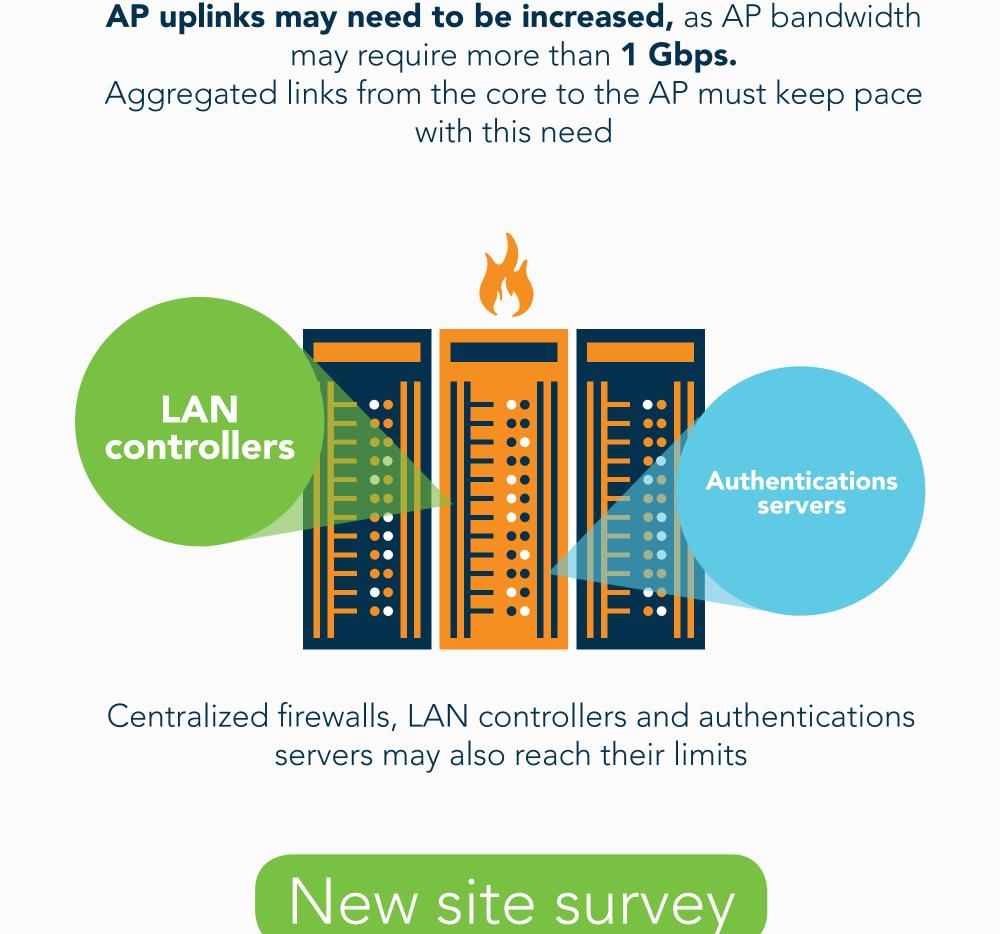
**AP uplinks** 

11n and 11a clients on 5GHz band should be isolated on

separate radios, rather than mixed with 11ac radios

Wired infrastructure

upgrades



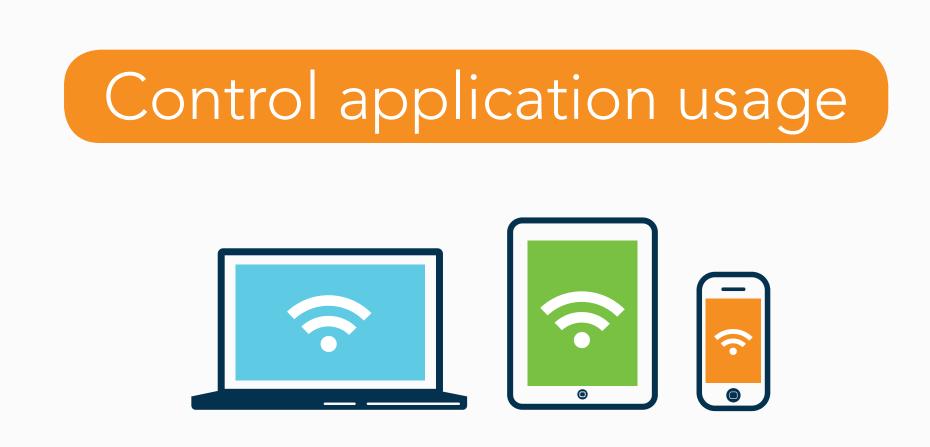
**11ac** 

Wi-Fi networks designed as recently as a couple years ago

were probably designed for coverage, not capacity and may

not properly account for smartphones, tablets, etc.

deployments



11ac deployments need to account for increased capacity

requirements and more diverse client capabilities

Faster speeds means clients can take advantage of

more/different applications

Applications that didn't used to be practical on mobile

devices may be now

**Learn more** 

http://wifi.xirrus.com/abcs-11ac