SOLUTION OVERVIEW

UPGRADE AND MODERNIZE TODAY, FOR TOMORROW

With the arrival of 802.11ac technology, Aruba is upgrading its controller platforms to ensure that there is enough capacity within the network backbone to support 802.11ac Wi-Fi. There are three factors driving the demand for 802.11ac and the need for a hardware upgrade.

Firstly, the Wi-Fi networks of yesterday are increasingly under pressure to deliver better, faster service. The increase in mobile device density demands greater capacity within the network. Secondly, the type of applications that are common on mobile devices has also changed. As the average screen size of smartphones continues to grow (20 to 40% over the last 4 years), multimedia apps continue to demand greater bandwidth from the network. And one thing's for sure – the updates and innovation we see in mobile tech is not going to stop any time soon. There will be increasing demand for more Wi-Fi bandwidth in the near future. It's important to plan for bandwidth needs now so that your Wi-Fi network infrastructure is ready for the future.

MIGRATING TO THE NEXT GENERATION OF ARUBA WLANS

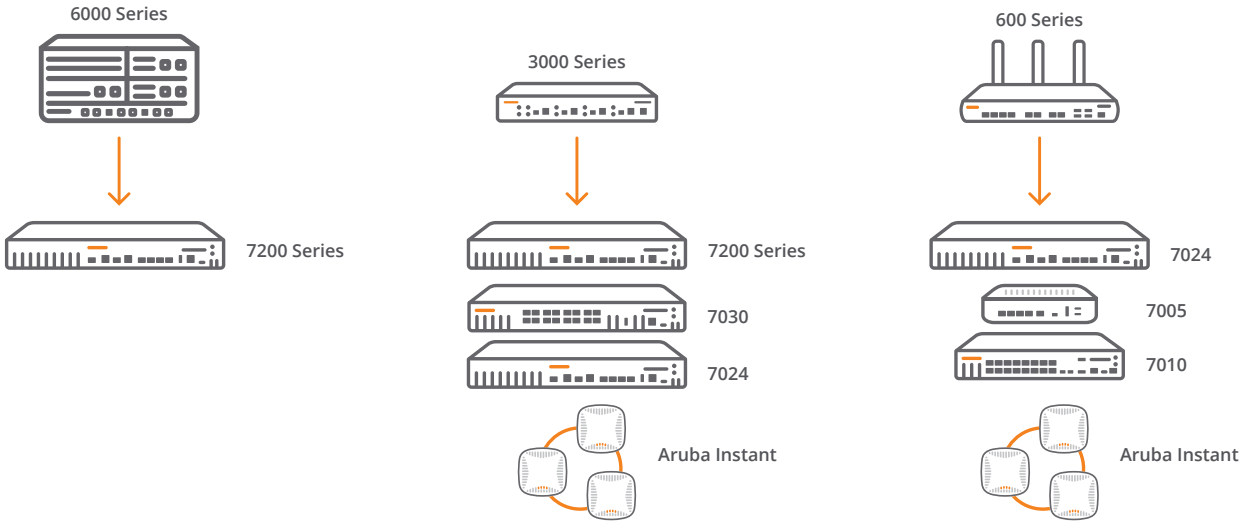
Over the past 12 years, Aruba has successfully guided customers through hardware transitions. So we have a good idea about how this works. Here are a few things to keep in mind:

Select your software release: The new controller and 802.11ac platforms come with dependencies on the ArubaOS™ and InstantOS™ software, so it's a good idea to work with your Aruba rep to get familiar with the new services available in each release. The more you're able to check out the software, the smoother your transition will be.

Upgrade the controller hardware for controller-based WLANs: Next step is to make sure that there is enough capacity within the network backbone to support 802.11ac Wi-Fi. That means that controller hardware and architecture selection needs to come before the access point type and technology selection to get your WLAN ready for increased speeds and feeds. If the controller infrastructure is not ready to deliver on the promise of 802.11ac, you will not get to experience the promised improvements in performance.

For customers who use 3000 and 600 series controllers as part of their infrastructure, we recommend migrating to 7000 and 7200 series next generation platforms in the near future to meet the increasing capacity demands. For some locations, if you choose to migrate away from controller-based WLAN design and implement controllerless architecture instead, we have got you covered with Aruba Instant.

MIGRATING FROM LEGACY TO NEW



CONTROLLER PORTFOLIO

7000 SERIES – STANDARD OR LOCAL

7005	7010	7024	7030
			
16 APs 1K Users 2 Gbps FW	32 APs 2K Devices 12 PoE Ports 4 Gbps FW	32 APs 2K Users 24 PoE Ports 4 Gbps FW	64 APs 4K Devices 8 Gbps FW

7200 SERIES – MASTER, STANDARD OR LOCAL

7205	7210	7220	7240
			
256 APs 8K Users 15 Gbps FW	512 APs 16K Users 20 Gbps FW	1,024 APs 24K Devices 40 Gbps FW	2,048 APs 32K Devices 40 Gbps FW

WHY UPGRADE WITH ARUBA?

Rightsize your network infrastructure: As customers migrate their business and security applications towards private or public cloud deployment options, the Aruba 7000 series cloud services controllers integrate essential networking functions in a single platform, such as switching with up to 24 Ethernet PoE+ ports and WAN uplink redundancy with dual Ethernet + USB LTE. With zero touch provisioning, IT organizations get a chance to not only upgrade to a faster, better WLAN controller, but also slash the time it takes to power up LAN, WLAN, and WAN services at a remote branch location.

Protect existing software investments: Existing software licenses on Aruba mobility controllers can be transferred to the new platforms, at no extra cost. The new controllers will manage the existing set of 802.11n and possible new 802.11ac APs at the same time, giving you the flexibility to create a migration timeline at your own pace – and without having to re-design the network architecture.

A flexible architecture: For customers who want to move to controllerless Aruba Instant Wi-Fi design and retire some of their existing controllers, we offer same set of access point hardware platforms. This enables our customers to deploy and manage a mix of controllerless and controller-based WLAN infrastructure, without having to adapt a separate set of technologies for the same network. Think iPad and iPhone – if you can use one, you are ready to use the other.

GET READY FOR TOMORROW'S NETWORK

Our existing 802.11n platforms continue to offer the highest possible performance for Wi-Fi connectivity on many mobile devices, but in the coming years, 802.11ac will be the dominant technology for mobile device connectivity at work. It is also important to note that 802.11ac access points deliver better and more reliable Wi-Fi connection to mobile devices that are 802.11n capable. By preparing your network infrastructure today, you will be able to realize the promise of 802.11ac performance, tomorrow.

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