

Feature	Aruba Controller 6.2	Aruba Instant 3.2	Comments
DEPLOYMENT			
· Deployment Model	Campus or Virtual Branch	Stand-alone, single site or multiple site deployments	-
· Controller functionality	Centralized	Virtual Controller	-
· Planning Tools	Yes	Yes	Instant: AirWave VisualRF
· Cloud Services	Yes (CSS)[1]	Yes	Instant: Content Security with OpenDNS and Image Server)
· Provisioning of APs	Controller	Activate, AirWave and Virtual Controller	-
MANAGEMENT			
· Management	Controller or AirWave	Stand-alone single site: Virtual Controller Multiple sites: Virtual Controller with AirWave	-
· SNMP	Yes	Yes	Instant: monitoring (read only)
· CLI	Yes	Yes	Instant: show, debug only
· SSH	Yes	Yes	-
· Amigopod Integration	Yes	Yes	-
SCALABILITY/RELIABILITY			
· AP scalability	Unlimited	Unlimited (With L3 roaming)	16 AP limit only applies to IAP-92/93 platform on Instant
· Client scalability	Unlimited	Unlimited	-
· High Availability	Centralized	Distributed	Instant: Automatic re-election of VC
WLAN Features and Adaptive Radio Management (ARM)			
· Mobility	L2 and L3	L2 and L3	-
· Bridging	On AP	Yes	Instant: Bridge mode forwarding

· Mesh Networking	On AP	Yes	Instant: dual radio AP only, Max hop count =2
· RF Management	On AP	Yes	-
· Spectrum Monitor Mode	On AP	On AP	"-
· Air Monitor Mode	On AP	Yes	-
· Heat Map	On Controller	Yes	Instant: AirWave VisualRF
· Location	Yes	Yes	Aruba RTLS (AirWave, Ekahau, and NearBuy), Aeroscout
· Band Steering (ARM)	Yes	Yes	On by default on Instant
· Voice-aware scanning (ARM)	On AP	Yes	On by default on Instant
· Air-Time Fairness (ARM)	Yes	Yes	On by default on Instant
· Channel Power Assignment (ARM)	Yes	Yes	On by default on Instant
· Co-channel interference	Yes	Yes	
· Load Aware Scanning (ARM)	Yes	Yes	On by default on Instant
· Spectrum Analysis	Yes	Yes	-
· Spectrum Load Balancing	Yes	No	Roadmap
· WMM	Yes	Yes	-
· Interference Reporting	Yes	Yes	Instant: Also on AirWave
SECURITY			
· Wireless Intrusion Detection	Yes	Yes	-
· Rogue AP Containment	Yes	Yes	Instant: Wireless - de-authentication frames Wired - Poison ARP packets on ENET; -
· Content Filtering	Aruba (CSS)[2]	OpenDNS	-
· Stateful Firewall	Controller/AP	Virtual Controller/IAP	-
· DoS Attack Detection	On AP	Yes	On Instant, L2-L3 DoS Prevention – Penetration Attack

· Encryption	Controller/AP	IAP	No support for centralized encryption on IAP
· VPN Features	Yes	Yes	VPN support introduced in Instant 3.0
- VPN termination (for Instant)	Yes	No	
- Auth Survivability	Yes	Yes	
SERVICES			
- PEF Application Visibility	Yes	No	
- LLDP	Yes	Yes	
- RFPlayback Utility	Yes	No	
- WISPr 1.0	Yes	Yes	
- RTLS for unassociated stations	No	Yes	
· Routing – OSPF	Yes	No	-
· IGMP Snooping	Yes	Yes	-
· VOIP Advanced Services	Yes	Yes	-
· OS Fingerprinting	Yes	Yes	-
· Distributed Multicast Optimization	Yes	Yes	-
· Wired and Wireless Policy Management	Yes	Yes	wired - mac auth and captive portal only. 802.1x auth roadmap
· DHCP Services	Controller (limited scale)	Virtual Controller	-
· Proxy DHCP	Yes	Yes	-
· VLAN Pooling	Yes	Yes	-
· DSCP and 802.1p tagging	Yes	Yes	-
· Application Layer Gateway	Controller/AP	Virtual Controller/IAP	-
· Voice ALGs	Yes	Yes	-
· Lync and FaceTime ALG	Yes	Yes	-
· Traffic Shaping	Controller/AP	IAP	-
· Traffic Bandwidth Limits	Per Controller/client	Per radio/client	-
· Percentage Airtime	Per radio	Per radio	
MDAC Based DHCP	Yes	Yes	-
AUTHENTICATION			

· MAC Authentication	Internal or External	Internal or External	-
· 802.1x Authentication	Internal or External	Internal or External	-
· Captive Web Portal	Controller or External	Virtual Controller or External	-
· LDAP and Secure LDAP	Yes	Yes	LDAP with support for PEAP MSCHAPv2 : Aruba Instant Roadmap
· RADIUS Server	Yes	Yes	-
· RADIUS Server per SSID	Yes	Yes	-
· Multiple RADIUS Servers	Yes	Yes	-
· RADIUS Server load balancing	No	Yes	
· RADIUS Proxy	Yes	Yes	-
· Machine Authentication	Yes	Yes	-
MISCELLANEOUS			
· Remote Wireless Packet Capture	Yes (Advanced)	Yes	-
· Role Based Policy Management	Yes	Yes	Per SSID, RADIUS Attribute, Machine Auth
· RAP support	Yes	Not Applicable	-