ARUBA MOBILE FIRST NETWORKS

ARUBA MOBILE FIRST INFRASTRUCTURE

ACCESS POINTS

Aruba 802.11ac wireless access points deliver superb Wi-Fi performance to meet the density and performance needs of your environment – they can be deployed as controller-managed or controller-less Aruba Instant APs depending on the design, scope and scale of your wireless network.

Aruba 330 Series

- Highest performance 802.11ac Wave 2 with HPE Smart Rate (1/2.5/5 GigE) multi-gigabit uplink and redundant 1 gigabit uplink
- Supporting 4x4:4SS with up to 3 MU-MIMO clients across 4 streams
- Delivers data rates up to 1,733 Mbps in the 5 GHz band and up to 800 Mbps in the 2.4 GHz band.
- Supports 160 MHz channel bandwidth (VHT160) and has an integrated Aruba Beacon (BLE)

AP-334/IAP-334 support 4 external dual-band RP-SMA antenna connectors.
AP-335/IAP-335 have 8 integrated down-tilt omni-directional antennas with dual-polarization.

Aruba 320 Series

- High performance 802.11ac Wave 2 with dual redundant Gigabit uplinks
- Supporting 4x4:4SS with up to 3 MU-MIMO clients across 3 streams
- Delivers data rates up to 1,733 Mbps in the 5GHz band and up to 800 Mbps in the 2.4 GHz band
- Supports 160 MHz channel bandwidth (VHT160) and has an integrated Aruba Beacon (BLE)

AP-324/IAP-324 support 4 external dual-band RP-SMA antenna connectors.
AP-325/IAP-325 have 8 integrated down-tilt omni-directional antennas.

Aruba 310 Series

- High performance, cost optimized 802.11ac Wave 2 with single Gigabit uplink
- Supporting 4x4:4SS with up to 3 MU-MIMO clients across 4 streams
- Delivers data rates up to 1,733 Mbps in the 5GHz band and up to 400 Mbps in the 2.4 GHz band
- Supports 160 MHz channel bandwidth (VHT160) and has an integrated Aruba Beacon (BLE)

AP-314/IAP-314 support 4 external dual-band RP-SMA antenna connectors.
AP-315/IAP-315 have 4 integrated down-tilt omni-directional antennas.

Aruba 300 Series

- Moderate performance, entry-level 802.11ac Wave 2 with single Gigabit uplink
- Supporting 3x3:3SS with up to 2 MU-MIMO clients across 2 streams
- Delivers data rates up to 1,300 Mbps in the 5GHz band and up to 400 Mbps in the 2.4 GHz band
- Supports 80 MHz channel bandwidth (VHT80) and has an integrated Aruba Beacon

AP-304/IAP-304 support 3 external dual-band RP-SMA antenna connectors.
AP-305/IAP-305 have 3 integrated down-tilt omni-directional antennas.

Aruba 220 Series

- High performance 802.11ac Wave 1 with dual redundant Gigabit uplinks
- Supporting 3x3:3SS
- Delivers data rates up to 1,300 Mbps in the 5GHz band and up to 600 Mbps in the 2.4 GHz band
- Supports 80 MHz channel bandwidth (VHT80)

AP-224/IAP-224 support 3 external dual-band RP-SMA antenna connectors.
AP-225/IAP-225 have 6 integrated down-tilt omni-directional antennas.

Aruba 210 Series

- High performance, cost optimized 802.11ac Wave 1 with single Gigabit uplink
- Supporting 3x3:3SS
- Delivers data rates up to 1,300 Mbps in the 5GHz band and up to 450 Mbps in the 2.4 GHz band
- Supports 80 MHz channel bandwidth (VHT80)

AP-214/IAP-214 support 3 external dual-band RP-SMA antenna connectors.
AP-215/IAP-215 have 6 integrated down-tilt omni-directional antennas.

Aruba 207 Series

- Moderate performance 802.11ac Wave 1 with single Gigabit uplink
- Supporting 2x2:2SS
- Delivers data rates up to 867 Mbps in the 5GHz band and up to 400 Mbps in the 2.4 GHz band
- Supports 80 MHz channel bandwidth (VHT80) and has an integrated Aruba Beacon

AP-207/IAP-207 have 2 integrated down-tilt omni-directional antennas.

Aruba 200 Series

- Moderate performance 802.11ac Wave 1 with single Gigabit uplink
- Supporting 2x2:2SS
- Delivers data rates up to 867 Mbps in the 5GHz band and up to 400 Mbps in the 2.4 GHz band
- Supports 80 MHz channel bandwidth (VHT80)

AP-204/IAP-204 support 2 external dual-band RP-SMA antenna connectors.
AP-205/IAP-205 have 4 integrated down-tilt omni-directional antennas.

Aruba 103 Series

- Moderate performance 802.11n with single Gigabit uplink
- Supporting 2x2:2SS
- Delivers data rates up to 300 Mbps in the 5GHz band and up to 300 Mbps in the 2.4 GHz band
- Supports 40 MHz channel bandwidth (VHT40)

AP-103/IAP-103 have 2 integrated down-tilt omni-directional antennas.

Aruba 228 Series

- Industrial, high performance 802.11ac Wave 1 with dual redundant Gigabit uplinks
- Supporting 3x3:3SS
- Delivers data rates up to 1,300 Mbps in the 5GHz band and up to 600 Mbps in the 2.4 GHz band
- Supports 80 MHz channel bandwidth (VHT80)
- Extended temperature range and dust sealing for deployment in industrial environments

AP-228/IAP-228 support 6 external single-band RP-SMA antenna connectors.

Aruba 270 Series

- Outdoor, high performance 802.11ac Wave 1 with dual redundant Gigabit uplinks
- Supporting 3x3:3SS
- Delivers data rates up to 1,300 Mbps in the 5GHz band and up to 600 Mbps in the 2.4 GHz band
- Supports 80 MHz channel bandwidth (VHT80)

AP-274/IAP-274 support 3 external dual-band RP-SMA antenna connectors.
AP-275/IAP-275 have 3 integrated omni-directional antennas with dual-polarization.
AP-277/IAP-277 have 3 integrated directional antennas with dual-polarization.

Aruba 360 Series

- Outdoor, cost optimized 802.11ac Wave 2 with Gigabit data rate
- Supporting 2X2:2SS MU-MIMO
- Delivers data rates up to 867 Mbps in the 5GHz and up to 400 Mbps in the 2.4 GHz band
- Supporting an outdoor temperature range of –40C to 55C (-40F to + 131F)
- Compliant with IP66/67
- Integrated Aruba BLE

AP-365 supports integrated omni antennas
AP-367 supports integrated directional antennas

Aruba 205H Series

- Moderate performance 802.11ac Wave 1 with single Gigabit uplink and 6 Ethernet ports for hospitality and branch deployments
- Supporting 2x2:2SS
- Delivers data rates up to 867 Mbps in the 5GHz band and up to 300 Mbps in the 2.4 GHz band
- Supports 40 MHz channel bandwidth (VHT40)
- Includes 3 local, 2 pass-through and 1 uplink Ethernet ports
- Includes wall mount and has an optional desk stand kit

AP-205H/IAP-205H have 4 integrated semi-directional antennas.

Aruba 103H Series

- Moderate performance 802.11n with single Gigabit uplink and 4 Ethernet ports for hospitality and branch deployments
- Supporting 2x2:2SS
- Delivers data rates up to 300 Mbps in the 5GHz band and up to 300 Mbps in the 2.4 GHz band
- Supports 40 MHz channel bandwidth (VHT40)
- Includes 1 pass-through port and 3 Ethernet ports
- Includes wall mount

AP-103H/IAP-103H have 2 integrated semi-directional antennas.

REMOTE ACCESS POINTS

RAP-155 Series Remote Access Points

- Moderate performance 802.11n with single Gigabit uplink and 5 Ethernet ports for small/medium business and branch offices
- Supporting 3x3:3SS
- Delivers data rates up to 450 Mbps (3SS) in the 5GHz band and up to 300 Mbps (2SS) in the 2.4 GHz band
- Supports 40 MHz channel bandwidth (VHT40)
- Includes 1 uplink and 4 local Ethernet ports
- Includes desk stand kit

RAP-155 has 5 integrated omni-directional antennas.

RAP-100 Series Remote Access Points

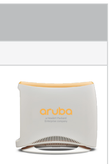
- Moderate performance 802.11n with single Gigabit uplink and 5 Ethernet ports for small/medium business, home and branch offices
- Supporting 2x2:2SS
- Delivers data rates up to 300 Mbps in the 5GHz band and up to 300 Mbps in the 2.4 GHz band
- Supports 40 MHz channel bandwidth (VHT40)
- Includes 1 uplink and 4 local Ethernet ports
- Includes desk stand kit

RAP-108 supports 2 external dual-band RP-SMA antenna connectors.
RAP-109 has 4 integrated omni-directional antennas.

RAP-3 Series Remote Access Points

- Moderate performance 802.11n with single Gigabit uplink and 3 Ethernet ports for home and branch offices
- Supporting 2x2:2SS
- Delivers data rates up to 300 Mbps in the 5GHz band and up to 300 Mbps in the 2.4 GHz band
- Supports 40 MHz channel bandwidth (VHT40)
- Includes 1 uplink and 2 local Ethernet ports
- Includes desk stand kit

RAP-3 has 2 integrated omni-directional antennas.



MOBILITY CONTROLLERS

Aruba 7200 Series Mobility Controllers

The 7200 series optimized for mobile application delivery to ensure the best mobility experience over Wi-Fi. It supports up to 32,000 mobile devices and performs stateful firewall policy enforcement at 40 Gbps – plenty of capacity and speed for BYOD and 802.11ac devices.

Campus deployment
- Aruba 7240/7240XM Mobility Controllers – 2,048 AP support, 40 Gbps FW-32K users
- Aruba 7220 Mobility Controller – 1,024 AP support, 40 Gbps FW-24K users
- Aruba 7210 Mobility Controller – 512 AP support, 20 Gbps FW-16K users
- Aruba 7205 Mobility Controller – 256 AP support, 15 Gbps FW-8K users

Aruba 7000 Series Mobility Controllers

Aruba 7000 series Mobility Controllers optimize cloud services and secure enterprise applications for hybrid WAN at branch offices, while reducing the cost and complexity of deploying and managing the network.

Branch deployment
- Aruba 7030 series Mobility Controller – 64 AP support, 8Gbps FW-4K users
- Aruba 7024series Mobility Controller – 32 AP support, 4Gbps FW-2K users
- Aruba 7010 series Mobility Controller – 32AP support, 4Gbps FW-2K users
- Aruba 7008 series Mobility Controller – 16 AP support, 2Gbps FW-1K users
- Aruba 7005 series Mobility Controller – 16 AP support, 2Gbps 1K users

Aruba Virtual Mobility Controller

Deployed as a Virtual Machine, the Virtual Mobility Controller (VMC) runs on ArubaOS 8 and provides a flexible deployment alternative to the hardware mobility controllers (72xx and 7xxx). The VM form factor makes it easy to dynamically scale to support the needs of a rapidly growing enterprise and make an efficient use of resources.

- MC-VA-50 – 50 AP support, 4K users
- MC-VA-250 – 250 AP support, 8K users
- MC-VA-1K – 1,000 AP support, 24K users

Virtual Mobility Master

Aruba Mobility Master is the next generation of master controller that runs ArubaOS 8 and is deployed as a virtual machine (VM) for more memory and compute power addressing today's technology needs for mobility and IoT. The Mobility Master provides automatic RF optimization for high density environment and enables hitless failover in an unlikely event of a controller outage.

- MM-VA-500 – support for 500 devices, 5,000 users
- MM-VA-1K – support for 1,000 devices, 10K users
- MM-VA-5K – support for 5K devices, 50K users
- MM-VA-10 – support for 10K devices, 100K users

HPE FLEXNETWORK INFRASTRUCTURE

HPE FLEXNETWORK ROUTERS

HPE FlexNetwork HSR6800 Router Series

High-performance WAN routers built for data center and campus deployments.

- HPE FlexNetwork HSR6802 Router Chassis (JG361A)
- HPE FlexNetwork HSR6804 Router Chassis (JG362A)
- HPE FlexNetwork HSR6808 Router Chassis (JG363A)

HPE FlexNetwork HSR6600 Router Series

High-performance services WAN routers built for campus WAN edge and high-end branch.

- HPE FlexNetwork HSR6602-G Router (JG353A)
- HPE FlexNetwork HSR6602-XG Router (JG354A)

HPE FlexNetwork 6600 Router Series

Series of 16-, 8-, 4-, and 2-HIM-slot routers with a complete portfolio of LAN and WAN interface modules and a hardware-based encryption engine.

- HPE FlexNetwork 6616 Router Chassis (JC496A)
- HPE FlexNetwork 6608 Router Chassis (JC177B)
- HPE FlexNetwork 6604 Router Chassis (JC178B)
- HPE FlexNetwork 6602 Router (JC176A)

HPE FlexNetwork VSR1000 Virtual Services Router Series

A virtualized application that runs on an industry-standard server and provides functionality that is similar to a physical router.

- HPE FlexNetwork VSR1001 Comware 7 Virtual Services Router E-LTU (JG811AAE)
- HPE FlexNetwork VSR1004 Comware 7 Virtual Services Router E-LTU (JG812AAE)
- HPE FlexNetwork VSR1008 Comware 7 Virtual Services Router E-LTU (JG813AAE)

HPE FlexNetwork MSR4000 Router Series

Next-generation modular chassis routers that deliver unmatched application services for extra-large branch offices, headquarters, and campuses.

- HPE FlexNetwork MSR4080 Router Chassis (JG402A)
- HPE FlexNetwork MSR4060 Router Chassis (JG403A)
- HPE FlexNetwork MSR4000 MPU-100 Main Processing Unit (JG412A)
- HPE FlexNetwork MSR4000 SPU-100 Service Processing Unit (JG413A)
- HPE FlexNetwork MSR4000 SPU-200 Service Processing Unit (JG414A)
- HPE FlexNetwork MSR4000 SPU-300 Service Processing Unit (JG670A)

HPE FlexNetwork MSR3000 Router Series

Next-generation routers with multiple interface and module options, plus security and convergence capabilities for medium-to-large branch offices.

- HPE FlexNetwork MSR3012 AC Router (JG409A)
- HPE FlexNetwork MSR3012 DC Router (JG410A)
- HPE FlexNetwork MSR3024 DC Router (JG407A)
- HPE FlexNetwork MSR3024 PoE Router (JG408A)
- HPE FlexNetwork MSR3024 AC Router (JG406A)
- HPE FlexNetwork MSR3044 Router (JG405A)
- HPE FlexNetwork MSR3064 Router (JG404A)

HPE FlexNetwork MSR2000 Router Series

Next-generation routers deliver flexible, economical, concurrent services for small to-medium branch offices.

- HPE FlexNetwork MSR2003 AC Router (JG411A)
- HPE FlexNetwork MSR2004-24 AC Router (JG734A)
- HPE FlexNetwork MSR2004-48 Router (JG735A)

HPE FlexNetwork MSR1000 Router Series

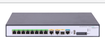
Next-generation routers deliver entry-level modular offerings with integrated services for small branch offices.

- HPE FlexNetwork MSR1003-8 AC Router (JG732A)
- HPE FlexNetwork MSR1003-8S AC Router (JH060A)
- HPE FlexNetwork MSR1002-4 AC Router (JG875A)

HPE FlexNetwork MSR95x Router Series

High-performance small branch routers with Comware v7 that deliver integrated routing, switching, security, and wireless; available with serial, ADSL2+, G.SHDSL, 3G, dual 3G and 4G LTE WAN connectivity options.

- HPE FlexNetwork MSR954 1GbE SFP 2GbE-WAN 4GbE-LAN CWv7 Router (JH296A)
- HPE FlexNetwork MSR954-W 1GbE SFP (WW) 2GbE-WAN 4GbE-LAN Wireless 802.11n CWv7 Router (JH297A)
- HPE FlexNetwork MSR954-W 1GbE SFP LTE (AM) 2GbE-WAN 4GbE-LAN Wireless 802.11n CWv7 Router (JH298A)
- HPE FlexNetwork MSR954-W 1GbE SFP LTE (WW) 2GbE-WAN 4GbE-LAN Wireless 802.11n CWv7 Router (JH299A)
- HPE FlexNetwork MSR954 Serial 1GbE Dual 4G LTE (WW) Router (JH373A)
- HPE FlexNetwork MSR958 1GbE and Combo 2GbE WAN 8GbE LAN Router (JH300A)
- HPE FlexNetwork MSR958 1GbE and Combo 2GbE WAN 8GbE LAN PoE Router (JH301A)



HPE FlexNetwork MSR900 Router Series

Delivers integrated routing, switching, security, and IEEE 802.11b/g wireless LAN in a single box for secure, reliable small branch connectivity.

- HPE FlexNetwork MSR920-W Router (JF815A)
- HPE FlexNetwork MSR920 Router (JF813A)
- HPE FlexNetwork MSR900-W Router (JF814A)
- HPE FlexNetwork MSR900 Router (JF812A)

HPE FlexNetwork MSR93x Router Series

High-performance small branch routers that deliver integrated routing, switching, security, and wireless; available with serial, ADSL2+, G.SHDSL, 3G, dual 3G, and 4G LTE WAN connectivity options.

- HPE FlexNetwork MSR930 Router (JG511B)
- HPE FlexNetwork MSR930 3G Router (JG513B)
- HPE FlexNetwork MSR931 Router (JG514A)
- HPE FlexNetwork MSR931 3G Router (JG515A)
- HPE FlexNetwork MSR931 Dual 3G Router (JG531B)
- HPE FlexNetwork MSR930 Wireless Router (JG512A)
- HPE FlexNetwork MSR930 4G LTE/3G CDMA Router (JG596A)
- HPE FlexNetwork MSR933 Router (JG516A)
- HPE FlexNetwork MSR933 3G Router (JG517A)
- HPE FlexNetwork MSR935 Router (JG518B)
- HPE FlexNetwork MSR930 Wireless 11n (NA) Router (JH012B)
- HPE FlexNetwork MSR935 Wireless Router (JG519A)
- HPE FlexNetwork MSR935 3G Router (JG520A)
- HPE FlexNetwork MSR936 Wireless Router (JG597A)
- HPE FlexNetwork MSR930 4G LTE/3G WCDMA Global Router (JG665A)
- HPE FlexNetwork MSR930 4G LTE/3G WCDMA ATT Router (JG704A)

ARUBA ACCESS SWITCHES

Aruba switches bring performance and reliability to the mobile-first campus. These industry-leading switches are scalable, secure, and feature HPE Smart Rate multi-gigabit ports for high-speed connectivity.

Aruba 5400R zl2 Switch Series

Advanced Layer 3 modular switch series delivers enterprise-class resiliency and innovative flexibility to mobile-first networks. Scalable aggregation with HPE Smart Rate multi-gigabit ports for high-speed 802.11ac devices, VSF stacking, hitless failover, line rate 40GbE, robust QoS and security. Easy to deploy and manage with advanced security and network management tools like Aruba ClearPass Policy Manager and Aruba AirWave and is SDN optimized with OpenFlow support.

Chassis bundles
- Aruba 5406R 8-port 1/2.5/5/10GBASE-T PoE+/8-port SFP+ (No PSU) v3 zl2 Switch (JL002A)
- Aruba 5406R 16-port SFP+ (No PSU) v3 zl2 Switch (JL095A)
- Aruba 5406R 44GT PoE+/4SFP+ (No PSU) v3 zl2 Switch (JL003A)
- Aruba 5412R 92GT PoE+/4SFP+ (No PSU) v3 zl2 Switch (JL001A)

Chassis options
- Aruba 5406R zl2 Switch (J9821A)
- Aruba 5412R zl2 Switch (J9822A)s

Aruba 3810 Switch Series

Advanced Layer 3 switch series delivers wireless aggregation and back haul capacity with modular 10GbE and 40GbE uplinks. Dual, redundant, hot-swappable power supplies and innovative backplane stacking technology delivers resiliency and scalability in a convenient 1U form factor. Supports HPE Smart Rate, OSPF, VRRP, MACsec, IPv6, IPv4 BGP, robust QoS, policy-based routing and is SDN optimized with OpenFlow support.

GbE PoE+ Switches
- Aruba 3810M 40G 8 HPE Smart Rate PoE+ 1-slot Switch (JL076A)
- Aruba 3810M 24G PoE+ 1-slot Switch (JL073A)
- Aruba 3810M 48G PoE+ 1-slot Switch (JL074A)

GbE Switches
- Aruba 3810M 24G 1-slot Switch (JL071A)
- Aruba 3810M 48G 1-slot Switch (JL072A)
- Aruba 3810M 16SFP+ 2-slot Switch (JL075A)

Aruba 2930F Switch Series

Basic Layer 3 switch series with enterprise-class features that's simple to deploy and manage with Aruba ClearPass Policy Manager, Aruba AirWave and cloud-based Aruba Central. Support for static and RIP routing, Access OSPF, IPv6, ACLs, built-in 1/10GbE uplinks, PoE+ and s SDN optimized with OpenFlow support.

GbE PoE+ Switches
- Aruba 2930F 48G PoE+ 4SFP+ Switch (JL256A)
- Aruba 2930F 48G PoE+ 4SFP Switch (JL262A)
- Aruba 2930F 24G PoE+ 4SFP+ Switch (JL255A)
- Aruba 2930F 24G PoE+ 4SFP Switch (JL261A)
- Aruba 2930F 8G PoE+ 2SFP+ Switch (JL258A)

GbE Switches
- Aruba 2930F 48G 4SFP+ Switch (JL254A)
- Aruba 2930F 24G 4SFP+ Switch (JL253A)
- Aruba 2930F 48G 4SFP Switch (JL260A)
- Aruba 2930F 24G 4SFP Switch (JL259A)

Aruba 2920 Switch Series

Flexible, scalable, and easy to use basic Layer 3 switch series for campus edge, branch offices, and SMB. Provides modular stacking and uplinks, static & RIP routing, Access OSPF, IPv6, SDN support, ACLs, and sFlow. Simple to deploy and manage with Aruba ClearPass Policy Manager, Aruba AirWave and cloud-based Aruba Central.

GbE PoE+ Switches
- Aruba 2920-24G-PoE+ Switch (J9727A)
- Aruba 2920-48G-PoE+ Switch (J9729A)
- Aruba 2920-48G-PoE+ 740W Switch (J9836A)

GbE Switches
- Aruba 2920-24G Switch (J9726A)
- Aruba 2920-48G Switch (J9728A)

Aruba 2530 Switch Series

Provides simple, agile and cost-effective access switching for enterprise edge, branch office, and SMB deployments. Fully managed Layer 2 switches with ACLs, enhanced access security, traffic prioritization, sFlow and IPv4/IPv6 host support. Includes models with up to 370 Watt PoE+ and 10GbE uplinks. Easy to deploy and manage with Aruba ClearPass Policy Manager and Aruba AirWave.

GbE PoE+ Switches
- Aruba 2530-48G-PoE+ Switch (J9772A)
- Aruba 2530-24G-PoE+ Switch (J9773A)
- Aruba 2530-8G-PoE+ Switch (J9774A)
- Aruba 2530-24G-PoE+-2SFP+ Switch (J9854A)
- Aruba 2530-48G-PoE+-2SFP+ Switch (J9853A)

10/100 Switches
- Aruba 2530-48 Switch (J9781A)
- Aruba 2530-24 Switch (J9782A)
- Aruba 2530-8 Switch (J9783A)

GbE Switches
- Aruba 2530-48G Switch (J9775A)
- Aruba 2530-24G Switch (J9776A)
- Aruba 2530-8G Switch (J9777A)
- Aruba 2530-24G-2SFP+ Switch (J9856A)
- Aruba 2530-48G-2SFP+ Switch (J9855A)

ARUBA BEACONS AND SENSOR

Aruba Beacons

Our Beacons leverage Bluetooth Low-Energy (BLE) technology to provide a more accurate blue-dot experience, and proximity-aware push notifications at venues. When standalone Aruba Beacons and those in APs are used in conjunction with the Meridian mobile app platform, they enable organizations to infuse their mobile apps with innovative wayfinding and notification features, like discount offers and conference room optimization data.

Aruba Sensor

The Aruba Sensor is a small, dual-band 802.11n client radio and a Bluetooth Low Energy (BLE) radio that makes it easy for IT to manage a large multi-location beacon deployment that does not involve Aruba wireless infrastructure. The Sensor provides the ability to pull data from the Beacons that can be viewed via a cloud management application.

ARUBA MOBILE FIRST PLATFORM

Aruba Mobile First Platform is the software layer between the Aruba network infrastructure and is designed to share rich, contextual insights with third party business, IT and end user facing applications.

NETWORK CONTROLS: ARUBAOS

ArubaOS is the operating system for all controller-managed wireless LANs and Aruba Mobility Controllers. ArubaOS 6.5 is able to deliver a wide range of critical campus mobility services such as unified wired and wireless, enterprise grade security, simplified operations with centralized licensing and application aware visibility and control in AppRF.

ArubaOS 8 deployed as a virtual machine running on servers, is the operating system for all Aruba Mobility Controllers, Virtual Mobility Controllers, Mobility Master and controller-based access points. With an extensive set of integrated technologies and capabilities, ArubaOS 8 delivers automated RF planning (AirMatch), multi tenancy in AP (MultiZone), an always-on network (Controller Clustering) to support high density environments.

NETWORK MANAGEMENT: ARUBA AIRWAVE

AirWave is a powerful and easy-to-use network operations system that not only manages wired and wireless infrastructures from Aruba and a wide range of third-party manufacturers, but also provides granular visibility into devices, users and applications running on the network.

Hardware	
AW-HWDL360-PRO	Pro Edition for up to 1500 managed devices
AW-HWDL360-ENT	Enterprise Edition for up to 4000 managed devices
Software Licenses	
LIC-AW	Airwave license for one managed device
AW-(x)-FR	AirWave failover software licenses for (x) devices

CLOUD NETWORKING: ARUBA CENTRAL

Aruba Central is a cloud platform that offers IT organizations a simple, secure and cost-effective way to manage and monitor their controllerless Aruba Instant wireless LANs and Aruba-OS Switches, as well as services such as customizable guest Wi-Fi, application insight, and presence analytics.

Subscription Licenses	
SUB1-CNP-IAP-1	1 year subscription for 1 Instant AP
SUB3-CNP-IAP-1	3 year subscription for 1 Instant AP
SUB5-CNP-IAP-1	5 year subscription for 1 Instant AP
SUB7-CNP-IAP-1	7 year subscription for 1 Instant AP
SUB10-CNP-IAP-1	10 year subscription for 1 Instant AP
SUB1-CNP-MAS-1	1 year subscription for 1 Aruba Switch
SUB3-CNP-MAS-1	3 year subscription for 1 Aruba Switch
SUB5-CNP-MAS-1	5 year subscription for one Aruba Switch

Note: Central subscriptions include 24x7 online/phone support

LOCATION-BASED SERVICES: ARUBA MERIDIAN

Aruba Meridian

The Aruba Location-based Services solution enables enterprises and public-facing venues such as retailers, hotels, casinos, airports, stadiums, and hospitals to engage with users' mobile devices while on location to increase productivity, or revenue per visit and boost customer satisfaction.

Aruba Meridian Mobile App Platform

Meridian is a mobile-app software platform that allows organizations to create or improve mobile apps by engaging visitors via their mobile devices. By leveraging Meridian to deliver location relevant information such as indoor mapping, turn-by-turn directions, venue-specific content, and proximity-based notifications they are able to enhance a user's experience.

POLICY MANAGEMENT: ARUBA CLEARPASS

Policy management for users, traditional devices, and IoT are delivered via Aruba ClearPass across any wired or wireless multi-vendor network. ClearPass replaces outdated AAA with context-aware policies and NAC, by collecting and leveraging valuable user, device, location and device status for enhanced network authorization and real-time remediation controls.

ClearPass Exchange allows for the sharing of contextual policy information with cloud-based IT applications and security services to better protect your network and resources, using Extensions, bidirectional Rest-based API's and Syslog messages.

Aruba ClearPass Policy Manager

Provides role and device-based network access control for employees, contractors and guests across any multivendor wired, wireless and VPN infrastructure. Secure 802.1X enforcement support exists for wireless and wired connections. ClearPass OnConnect delivers a non-AAA enforcement model for wired infrastructure where 802.1X is not an option.

ClearPass Policy Manager is available as hardware or VM in three appliance sizes:

- Aruba ClearPass Policy Manager – 500 endpoints
- Aruba ClearPass Policy Manager – 5,000 endpoints
- Aruba ClearPass Policy Manager – 25,000 endpoints

Aruba ClearPass Onboard

A fully IT-managed, and automated configuration and provisioning service for the onboarding of mobile devices, which enable approved users to securely connect to internal enterprise networks in support of BYOD initiatives. Built-in certificate authority also offers simplified BYOD certificate management.

ClearPass Onboard can be ordered via perpetual license or subscription. Available Enterprise options provide the ability for organizations to flexibly use the licenses for ClearPass Onboard, Guest or OnGuard.

Application options
- Onboard for Aruba ClearPass Policy Manager – 100 endpoints
- Onboard for Aruba ClearPass Policy Manager – 500 endpoints
- Onboard for Aruba ClearPass Policy Manager – 1,000 endpoints
- Onboard for Aruba ClearPass Policy Manager – 2,500 endpoints
- Onboard for Aruba ClearPass Policy Manager – 5,000 endpoints
- Onboard for Aruba ClearPass Policy Manager – 10,00 endpoints
- Onboard for Aruba ClearPass Policy Manager – 25,000 endpoints
- Onboard for Aruba ClearPass Policy Manager – 50,000 endpoints
- Onboard for Aruba ClearPass Policy Manager – 100,00 endpoints

Enterprise Perpetual license
- Enterprise License for ClearPass Policy Manager

Subscription licenses
- 1 Year Onboard Subscription License for ClearPass Policy Manager
- 3 Year Onboard Subscription License for ClearPass Policy Manager
- 5 Year Onboard Subscription License for ClearPass Policy Manager

Enterprise subscriptions
- 1 Year Enterprise Subscription License for ClearPass Policy Manager
- 3 Year Enterprise Subscription License for ClearPass Policy Manager
- 5 Year Enterprise Subscription License for ClearPass Policy Manager

Aruba ClearPass Guest

A scalable, easy-to-use guest management solution that delivers automated guest access workflows for visitors, contractors, partners, shoppers, and fans on wireless and wired networks, using any type of mobile device. Portal customization organizations to easily track who connects, while also delivering a consistent visual and login experience.

ClearPass Guest can be purchased through subscription licensing for 1, 3 or 5 year periods or via perpetual licenses.

Guest perpetual licenses
- Guest License for Aruba ClearPass Policy Manager – 100 endpoints
- Guest License for Aruba ClearPass Policy Manager – 500 endpoints
- Guest License for Aruba ClearPass Policy Manager – 1,000 endpoints
- Guest License for Aruba ClearPass Policy Manager – 2,500 endpoints
- Guest License for Aruba ClearPass Policy Manager – 5,000 endpoints
- Guest License for Aruba ClearPass Policy Manager – 10,00 endpoints
- Guest License for Aruba ClearPass Policy Manager – 25,000 endpoints
- Guest License for Aruba ClearPass Policy Manager – 50,000 endpoints
- Guest License for Aruba ClearPass Policy Manager – 100,00 endpoints

Enterprise Perpetual license
- Enterprise License for ClearPass Policy Manager

Guest subscriptions
- 1 Year Guest Subscription for ClearPass Policy Manager
- 3 Year Guest Subscription for ClearPass Policy Manager
- 5 Year Guest Subscription for ClearPass Policy Manager

Enterprise subscriptions
- 1 Year Enterprise Subscription for ClearPass Policy Manager
- 3 Year Enterprise Subscription for ClearPass Policy Manager
- 5 Year Enterprise Subscription for ClearPass Policy Manager

Aruba ClearPass OnGuard

An advanced device posture assessment application, for the leading computer operating systems ensures that posture compliance requirements are met before devices connect. Persistent and dissolvable agents maintain a relationship with the ClearPass policy Manager to ensure the pre- and post-assessment compliance is met.

ClearPass OnGuard can be ordered via dedicated OnGuard only subscription or perpetual licenses.

Application options
- OnGuard license for Aruba ClearPass Policy Manager – 100 endpoints
- OnGuard license for Aruba ClearPass Policy Manager – 500 endpoints
- OnGuard license for Aruba ClearPass Policy Manager – 1,000 endpoints
- OnGuard license for Aruba ClearPass Policy Manager – 2,500 endpoints
- OnGuard license for Aruba ClearPass Policy Manager – 5,000 endpoints
- OnGuard license for Aruba ClearPass Policy Manager – 10,00 endpoints
- OnGuard license for Aruba ClearPass Policy Manager – 25,000 endpoints
- OnGuard license for Aruba ClearPass Policy Manager – 50,000 endpoints
- OnGuard license for Aruba ClearPass Policy Manager – 100,00 endpoints

Enterprise Perpetual license
- Enterprise License for ClearPass Policy Manager

Subscription licenses
- 1 Year OnGuard Subscription License for ClearPass Policy Manager
- 3 Year OnGuard Subscription License for ClearPass Policy Manager
- 5 Year OnGuard Subscription License for ClearPass Policy Manager

Enterprise subscriptions
- 1 Year Enterprise Subscription License for ClearPass Policy Manager
- 3 Year Enterprise Subscription License for ClearPass Policy Manager
- 5 Year Enterprise Subscription License for ClearPass Policy Manager

HPE FLEXNETWORK INFRASTRUCTURE

HPE FLEXNETWORK SWITCHES

The HPE FlexNetwork portfolio for core, aggregation, and routing enables IT to deliver the maximum performance and value to organizations across all verticals.

HPE FlexNetwork 10500 Switch Series

Enterprise campus core switch designed to enable a cloud-connected and rich-media-capable infrastructure. It sets the benchmark for performance, reliability, and scalability with 3-microsecond latency, ultra high 1/10/40GbE port density, 100GbE support, and 4 chassis IRF stacking.

- HPE FlexNetwork 10512 Switch Chassis (JC748A)
- HPE FlexNetwork 10508-V Switch Chassis (JC611A)
- HPE FlexNetwork 10508 Switch Chassis (JC612A)
- HPE FlexNetwork 10504 Switch Chassis (JC613A

HPE FlexNetwork 7500 Switch Series

Cost-effective, wire-speed 10 Gigabit core switches. Up to 1.152 Tbps performance; 84 10GbE and 480 GbE ports, and PoE+ support with 40GbE connectivity can be deployed in core, aggregation layer, and wiring closet edge.

Chassis Options
- HPE FlexNetwork 7510 Switch with 2x2.4Tbps Fabric and Main Processing Unit Bundle (JH333A)
- HPE FlexNetwork 7506 Switch with 2x2.4Tbps Fabric and Main Processing Unit Bundle (JH332A)
- HPE FlexNetwork 7503 Switch with 2x2.4Tbps Fabric and Main Processing Unit Bundle (JH331A)

HPE FlexNetwork 5510 Switch Series

Advanced Layer 3 switch delivers resiliency, security, and multiservice support for medium and large enterprise networks. Supports enterprise-class QoS; dual, redundant power supplies with support for PoE+; 10GbE and 40GbE uplinks; 9 chassis IRF stacking; Static & RIP Routing, MACsec, OSPF, IPv6 and Energy Efficient Ethernet.

- HPE 5510-24G-4SFP+ HI 1 Interface Slot Switch (JH145A)
- HPE 5510-48G-4SFP+ HI 1 Interface Slot Switch (JH146A)
- HPE 5510-24G-PoE+-4SFP+ HI 1 Interface Slot Switch (JH147A)
- HPE 5510-48G-PoE+-4SFP+ HI 1 Interface Slot Switch (JH148A)
- HPE 5510-24G-SFP-4SFP+ HI 1 Interface Slot Switch (JH149A)

HPE FlexNetwork 5130 HI Switch Series

Flexible and scalable basic Layer 3 switches or the access layer of the medium and large enterprise and campus network. Supports enterprise class QoS and security, HPE Intelligent Resilient Framework (IRF) stacking, static Layer 3 routing and RIP, dual redundant power supplies, fixed and modular 10GbE uplinks ports, PoE+, ACLs, IPv6 and delivers energy savings with Energy Efficient Ethernet.

GbE PoE+ Switches
- HPE FlexNetwork 5130 24G PoE+ 4SFP+ 1-slot HI Switch (JH325A)
- HPE FlexNetwork 5130 48G PoE+ 4SFP+ 1-slot HI Switch (JH326A)

GbE Switches
- HPE FlexNetwork 5130 24G 4SFP+ 1-slot HI Switch (JH323A)
- HPE FlexNetwork 5130 48G 4SFP+ 1-slot HI Switch (JH324A)

HPE FlexNetwork 5130 EI Switch Series

Delivers flexibility, scalability, and low TCO to the access layer of medium and large enterprise campus networks. Offering enterprise-class QoS and security, HPE Intelligent Resilient Framework (IRF) stacking, static Layer 3 routing and RIP, convenient fixed 10GbE uplink ports, PoE+, ACLs, IPv6, and Energy Efficient Ethernet.

GbE PoE+ Switches
- HPE FlexNetwork 5130 24G-PoE+-4SFP+ (370W) EI Switch (JG936A)
- HPE FlexNetwork 5130 48G-PoE+-4SFP+ (370W) EI Switch (JG937A)
- HPE FlexNetwork 5130 24G-PoE+-2SFP+-2XGT (370W) EI Switch (JG940A)
- HPE FlexNetwork 5130 48G-PoE+-2SFP+-2XGT (370W) EI Switch (JG941A)

GbE Switches
- HPE FlexNetwork 5130 24G-4SFP+ EI Switch (JG932A)
- HPE FlexNetwork 5130 24G-SFP-4SFP+ EI Switch (JG933A)
- HPE FlexNetwork 5130 48G-4SFP+ EI Switch (JG934A)
- HPE FlexNetwork 5130 24G-2SFP+-2XGT EI Switch (JG938A)
- HPE FlexNetwork 5130 48G-2SFP+-2XGT EI Switch (JG939A)

Brazil Subscription
- HPE FlexNetwork 5130 24G-PoE+-4SFP+ (370W) EI Brazil Switch (JG977A)*
- HPE FlexNetwork 5130 48G-PoE+-4SFP+ (370W) EI Brazil Switch (JG978A)*
- HPE FlexNetwork 5130 24G-4SFP+ EI Brazil Switch (JG975A)*
- HPE FlexNetwork 5130 48G-4SFP+ EI Brazil Switch (JG976A)*

HPE FlexNetwork 5120 SI Switch Series

Fully managed basic Layer 2+ switch with static IP routing, PoE+, ACLs, IPv6 and support for IRF stacking (up to 4 switches).

- JE072B - HPE 5120 48G SI Switch
- JE073B - HPE 5120 16G SI Switch
- JE074B - HPE 5120 24G SI Switch
- JG091B - HPE 5120 24G PoE+ (370W) SI Switch
- JG309B - HPE 5120 8G PoE+ (180W) SI Switch
- JG310B - HPE 5120 8G PoE+ (65W) SI Switch

HPE FlexNetwork 3600 EI Switch Series

Stackable (IRF), scalable, advanced Layer 3 Fast Ethernet switches for high-performance networking. Up to 48 10/100 PoE or non-PoE ports, four Gigabit Ethernet uplinks.

10/100 PoE+ switches
- HPE FlexNetwork 3600-48-PoE+-v2 EI Switch (JG302C)
- HPE FlexNetwork 3600-24-PoE+-v2 EI Switch (JG301C)

10/100 switches
- HPE FlexNetwork 3600-48 v2 EI Switch (JG300B)
- HPE FlexNetwork 3600-24-SFP-v2 EI Switch (JG303B)
- HPE FlexNetwork 3600-24 v2 EI Switch (JG299B)

HPE FlexNetwork 3600 SI Switch Series

Multi-layer switches that fulfill the enterprise requirement for a unified, highly resilient network. 48 or 24 Fast Ethernet ports, Gigabit Ethernet uplinks, PoE and non-PoE configurations.

10/100 PoE+ switches
- HPE FlexNetwork 3600-48-PoE+-v2 SI Switch (JG307C)
- HPE FlexNetwork 3600-24-PoE+-v2 SI Switch (JG306C)

10/100 switches
- HPE FlexNetwork 3600-48 v2 SI Switch (JG305B)
- HPE FlexNetwork 3600-24 v2 SI Switch (JG304B)

HPE FlexNetwork 3100 EI Switch Series

Fully managed Fast Ethernet Layer 2 switches ideal for the access layer of medium and large enterprises.

10/100 PoE switch
- HPE FlexNetwork 3100-24-PoE V2 EI Switch (JD313B)

10/100 switches
- HPE FlexNetwork 3100-48 V2 Switch (JG315B)
- HPE FlexNetwork 3100-24 V2 EI Switch (JD320B)
- HPE FlexNetwork 3100-8 V2 EI Switch (JD318B)
- HPE FlexNetwork 3100-16 V2 EI Switch (JD319B)

HPE FlexNetwork 3100 SI Switch Series

Fully managed Fast Ethernet Layer 2 switches for the access layer of medium and large enterprises. Includes 1GbE uplinks for reliable connectivity and enterprise class quality of service and security features.

10/100 switches
- HPE FlexNetwork 3100-24 V2 SI Switch (JG223A)
- HPE FlexNetwork 3100-8 V2 SI Switch (JG221A)

SMALL BUSINESS WIRED AND WIRELESS PORTFOLIO

SMART MANAGED SWITCHES

HPE OfficeConnect 1950 Switch Series

Advanced smart Web-managed Gigabit and 10 Gigabit Ethernet switches offering a high performance, secure and redundant 10-Gigabit network solution for demanding small business network environments.

10/100/1000 PoE+ Switches
- HPE OfficeConnect 1950-48G-4XG-PoE+(370W) Switch (JG963A)
- HPE OfficeConnect 1950-24G-4XG-PoE+(370W) Switch (JG962A)

10/100/1000 Switches
- HPE OfficeConnect 1950-48G-4XG Switch (JG961A)
- HPE OfficeConnect 1950-24G-4XG Switch (JG960A)
- 10 Gigabit Aggregation Switch
- HPE OfficeConnect 1950 12XGT 4SFP+ Switch

HPE OfficeConnect 1910 Switch Series

Smart managed Fast Ethernet switches ideal for small businesses wanting advanced features in an economical Fast Ethernet switch.

10/100 PoE+ Switches
- HPE OfficeConnect 1910-24-PoE+ Switch (JG539A)
- HPE OfficeConnect 1910-8-PoE+ Switch (JG537A)

10/100 Switches
- HPE OfficeConnect 1910-48 Switch (JG540A)
- HPE OfficeConnect 1910-24 Switch (JG538A)
- HPE OfficeConnect 1910-8 Switch (JG536A)

HPE OfficeConnect 1920 Switch Series

Advanced smart-managed fixed-configuration Gigabit Ethernet switches designed for small businesses in an easy-to-administer solution.

10/100/1000 PoE+ Switches
- HPE OfficeConnect 1920-48G-PoE+ (370W) Switch (JG928A)
- HPE OfficeConnect 1920-24G-PoE+ (370W) Switch (JG926A)
- HPE OfficeConnect 1920-24G-PoE+ (180W) Switch (JG925A)
- HPE OfficeConnect 1920-8G-PoE+ (180W) Switch (JG922A)
- HPE OfficeConnect 1920-8G-PoE+ (65W) Switch (JG921A)

10/100/1000 Switches
- HPE OfficeConnect 1920-48G Switch (JG927A)
- HPE OfficeConnect 1920-24G Switch (JG924A)
- HPE OfficeConnect 1920-16G Switch (JG923A)
- HPE OfficeConnect 1920-8G Switch (JG920A)

HPE OfficeConnect 1620 Series

Entry-level, smart-managed, pure 10/100/1000 switches with basic features such as link aggregation and VLANs. Rack-mountable 8-, 24-, and 48-port models available.

10/100/1000 Switches
- HPE OfficeConnect 1620-48G Switch (JG914A)
- HPE OfficeConnect 1620-24G Switch (JG913A)
- HPE OfficeConnect 1620-8G Switch (JG912A)

UNMANAGED SWITCHES

HPE OfficeConnect 1420 Switch Series

Unmanaged Gigabit Ethernet switches in 5-port, 8-port, 16-port and 24-port models with choice of key features like PoE+ and 10G uplinks.

10/100/1000 PoE+ Switches
- HPE OfficeConnect 1420-5G-PoE+ (32W) Switch (JH328A)
- HPE OfficeConnect 1420-8G-PoE+ (64W) Switch (JH330A)
- HPE OfficeConnect 1420-24G-PoE+ (124W) Switch (JH019A)

10/100/1000 Switches
- HPE OfficeConnect 1420-5G Switch (JH327A)
- HPE OfficeConnect 1420-8G Switch (JH329A)
- HPE OfficeConnect 1420-16G Switch (JH016A)
- HPE OfficeConnect 1420-24G-2SFP Switch (JH017A)
- HPE OfficeConnect 1420-24G-2SFP+ 10G Uplink Switch (JH018A)

HPE OfficeConnect 1410 Switch Series

Unmanaged Gigabit Ethernet and Fast Ethernet switches in fanless, compact 8-port and rack-mountable 16- and 24-port designs.

10/100 Switches
- HPE OfficeConnect 1410-24-2G Switch (J9664A)
- HPE OfficeConnect 1410-24-R Switch (JD986B)
- HPE OfficeConnect 1410-24 Switch (J9663A)
- HPE OfficeConnect 1410-16 Switch (J9662A)
- HPE OfficeConnect 1410-8 Switch (J9661A)

HPE OfficeConnect 1405 Small Office Switch Series

Unmanaged Gigabit Ethernet and Fast Ethernet switches ideal for small office or home office locations.

10/100/1000 switches
- HPE OfficeConnect 1405-16G Desktop Switch (JD844A)
- HPE OfficeConnect 1405-8G V2 Switch (J9794A)
- HPE OfficeConnect 1405-5G V2 Switch (J9792A)

10/100 switches
- HPE OfficeConnect 1405-8 V2 Switch (J9793A)
- HPE OfficeConnect 1405-5 V2 Switch (J9791A)

WIRELESS

HPE M330 802.11ac Access Point Series

Delivers high-performance wireless networking for small businesses offering data rates up to 1,300 Mbps in the 5GHz band and 450 Mbps in the 2.4 GHz band. These access points support standalone operations or "clustering" of up to 16 M330 APs.

- HPE M330 Dual Radio 802.11ac (AM) Access Point (JL062A)
- HPE M330 Dual Radio 802.11ac (JP) Access Point (JL064A)
- HPE M330 Dual Radio 802.11ac (WW) Access Point (JL063A)

HPE M220 802.11n Access Point Series

These access points are dual-band, single-radio devices offering 300Mbps wireless networking at 5 GHz or 2.4 GHz. They can run standalone or can be "clustered" for simplified administration of up to 16 M220 access points.

- HPE M220 802.11n Access Point (AM) (J9798A)
- HPE M220 802.11n Access Point (WW) (J9799A)

HPE M210 802.11n Access Point Series

These access points are dual-band, single-radio devices offering 300Mbps wireless networking at 5 GHz or 2.4 GHz. They can run standalone or can be "clustered" for simplified administration of up to four M210 access points.

- HPE M210 802.11n (AM) Access Point (JL023A)
- HPE M210 802.11n (WW) Access Point (JL024A)

HPE OfficeConnect R100 Wireless VPN Router Series

An ideal all-in-one solution for small businesses, with both wired and wireless connectivity for remote offices and employees.

- HPE OfficeConnect R120 Wireless 11ac VPN WW Router (J9977A)
- HPE OfficeConnect R120 Wireless 11ac VPN AM Router (J9976A)
- HPE OfficeConnect R110 Wireless 11n VPN WW Router (J9975A)
- HPE OfficeConnect R110 Wireless 11n VPN AM Router (J9974A)

ARUBA TECHNOLOGY ECOSYSTEM

At Aruba, we are working with the industry's best technology partners and app developers to deliver solutions that are easy to deploy and consume. Together our efforts deliver innovative solutions that connect the dots between today's business and IT priorities. Depending on your business, our technology partner programs cover everything from wireless connectivity to mobile engagement.

a Hewlett Packard Enterprise company

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