Overview

HPE Aruba Networking CX 9300 Switch Series

High Performance Enterprise Data Center Switch

The HPE Aruba Networking CX 9300 Switch Seriesis a next-generation 25.6Tbps, 1U fixed configuration switch supporting 32-ports of 100GbE, 200GbE or 400GbE*. The switch is an ideal solution for flexible, cost-effective, high-density 400GbE networking for server, storage, and intra-fabric connectivity. This solution helps protect enterprises investment as they transition server farms from 10GbE and 10GbE/25GbE to 100GbE/400GbE EVPN-VXLAN leaf and/or spine configurations at reduced power and a smaller footprint.

The HPE Aruba Networking CX 9300 Switch Series supports large Data Center PODS of up to 6,000 x 25GbE servers or up to 2,000 x 100GbE servers. This is an 8x jump in scaling/density over current Aruba CX 8325-32C which scales to 700 x 25GbE servers.

HPE Aruba Networking CX 9300 Switch Seriescan be used as a 100GbE Leaf or 100GbE/400GbE Spine switch (128 x 100GbE or 64 x 200GbE ports using breakouts).

When deployed as a Spine, the HPE Aruba Networking CX 9300 Switch Series flexibility connects to a range of leaf switches including Aruba CX 8325 switch series, Aruba CX 8360 switch series, or Aruba CX 10000 switch series.

With Aruba's most recent AOS-CX release, the CX 9300-32D and CX 8325 switches provides an ideal solution for data center, cloud and storage use cases that support top-of-rack server/storage connectivity and scale-out leaf-spine fabric topologies. These innovative AOS-CX enhancements provide storage-optimization to ensure low-latency and "lossless" network QoS and connectivity characteristics that storage requires.

Notes: *25GbE or 50GbE split-out feature to be enabled in a future software release

HPE Aruba Networking CX 9300 Switch Series

Key Features

- High performance 25.6Tbps with 5Bpps
- High Density 32 x 400GbE connectivity in 1RU form factor
- High availability with industry-leading VSX redundancy, and redundant power supplies and fans
- Designed for Spine, Core/Aggregation, Top of Rack or Leaf, or End of Row in the data center
- AOS-CX automation and programmability using built-in REST APIs and Python scripts
- Advanced Layer 2/3 feature set includes BGP, OSPF, VRF-Lite, and IPv6
- Dynamic VXLAN with BGP-EVPN for deep segmentation in data center and campus networks
- Intelligent monitoring, visibility, and remediation with Aruba Network Analytics Engine
- HPE Storage Networking Optimized
- Aruba NetEdit support for automated configuration and verification

Standard Features

AOS-CX - A Modern Software System

The HPE Aruba Networking CX 9300 Switch Series is based on AOS-CX, a modern, database-driven operating system that automates and simplifies many critical and complex network tasks. A built-in time series database enables customers and developers to utilize software scripts for historical troubleshooting, as well as analysis of past trends. This helps predict and avoid future problems due to scale, security, and performance bottlenecks. AOS-CX operating system features are organized into Aruba CX Foundation and Aruba CX Advanced software licenses.

Every Aruba CX switch includes an active, embedded Aruba CX Foundation license at no additional cost with the option to upgrade to an Aruba CX Advanced license.

The CX Foundation license has everything needed to deploy, connect, and troubleshoot an enterprise network, including:

- Aruba Network Analytics Engine (NAE)
- Dynamic Segmentation
- Switch Stacking
- High Availability and Resiliency
- Quality of Service (QoS)
- Layer 2 Switching
- Layer 3 Services and Routing
- IP Multicast
- Network Security
- Support for Aruba NetEdit

The Aruba CX Advanced license includes Aruba CX Edge Insights, offering deep visibility with application recognition, identification, and flow capture from layer 4 to layer 7.

For more information on the CX Advanced License, read the **Aruba CX Switch License Ordering Guide.**

Because AOS-CX is built on a modular Linux architecture with a stateful database, our operating system provides the following unique capabilities:

- Easy access to all network state information allows unique visibility and analytics
- REST APIs and Python scripting for fine-grained programmability of network tasks
- A micro-services architecture that enables full integration with other workflow systems and services
- Continual state synchronization that provides superior fault tolerance and high availability
- Supports Aruba Fabric Composer - a software-defined orchestration solution that simplifies and accelerates leaf-spine network provisioning and day-to-day operations across rack-scale compute and storage infrastructure.
- All software processes communicate with the database rather than each other, ensuring near real-time state and resiliency and allowing individual software modules to be independently upgraded for higher availability

Aruba Central, Cloud-Based Network Management

Flexible cloud-based or on-premises management for unified network operations of wired, WLAN, SD-WAN, and public cloud infrastructure. Designed to simplify day zero through day two operations with streamlined workflows. Switch management capabilities include configuration, onboarding, monitoring, troubleshooting, and reporting.

An Aruba Central Foundation license subscription enables comprehensive switch management capabilities that include configuration, onboarding, monitoring, troubleshooting, and reporting. An Aruba Central Advanced license expands these capabilities with premium security and AIOps, including the Aruba Central NetConductor Fabric Wizard and Policy Manager to enable dynamic segmentation and distributed enforcement at a global scale.

Standard Features

With the Aruba Central Advanced license there is no need to purchase a CX Advanced license. This streamlines operational efficiency, reducing the need for your IT team to keep track of multiple licenses, active terms, and renewal dates. For more information on Aruba Central licensing, see the **Aruba Central SaaS Subscription Ordering Guide.**

Aruba Network Analytics Engine

For enhanced visibility and troubleshooting, Aruba's Network Analytics Engine (NAE) automatically interrogates and analyzes events that can impact a networks health. Advanced telemetry and automation provide the ability to easily identify and troubleshoot network, system, application and security related issues easily, through the use of python agents, CLIbased agents and REST APIs.

The Time Series Database (TSDB) stores configuration and operational state data, making it available to quickly resolve network issues. The data may also be used to analyze trends, identify anomalies and predict future capacity requirements.

Aruba NetEdit – Automated Switch Configuration and Management

The entire Aruba CX portfolio empowers IT teams to orchestrate multiple switch configuration changes for smooth end-to-end service rollouts. Aruba NetEdit introduces automation that allows for rapid network-wide changes, and ensures policy conformance post network updates. Intelligent capabilities include search, edit, validation (including conformance checking), deployment and audit features. Capabilities include:

- Centralized configuration with validation for consistency and compliance.
- Time savings via simultaneous viewing and editing of multiple configurations.
- Customized validation tests for corporate compliance and network design.
- Automated large-scale configuration deployment without programming.
- Network health and topology visibility via Aruba NAE integration.

Notes: A separate software license is required to use Aruba NetEdit.

HPE Ethernet Storage Fabric Optimized

HPE Aruba Networking CX 9300 Switch Series provides an ideal solution for data center, cloud and storage use cases that support top-of-rack server and storage connectivity and scale-out leaf-spine fabrics. AOS-CX adds storage-optimization enhancements to ensure the low-latency, lossless network QoS and connectivity characteristics that storage requires.

Aruba Virtual Switching Extension

The ability of AOS-CX to maintain synchronous state across dual control planes allows a unique high availability solution called Aruba Virtual Switching Extension (VSX). VSX is delivered through redundancy gained by deploying two chassis with an inter-switch link, with each chassis maintaining its independent control.

Designed using the best features of existing HA technologies such as Multi-chassis Link Aggregation (MC-LAG) and Virtual Switching Framework (VSF), Aruba VSX enables a distributed architecture that is highly available during upgrades or control plane events. Features include:

- Continuous configuration synchronization via AOS-CX
- Flexible active-active network designs at Layers 2 and 3
- Operational simplicity and usability for easy configuration
- High availability by design during upgrades including support for VSX Live Upgrade with LACP traffic draining.

Standard Features

Product Capabilities

Performance

High-Speed Fully Distributed Architecture

- Provides 25.6Tbps for bidirectional switching and 5Bpps for forwarding. All switching and routing are wire-speed to meet the demands of bandwidth-intensive applications today and in the future

Scalable System Design

- Provides investment protection to support future technologies and higher-speed connectivity

Connectivity

High Density Port Options

Choice of compact high density port 1U switches with airflow direction flexibility include model with:

- 32-ports of 100GbE, 200GbE or 400GbE. 400 Gbps Ports can be configured as 4x100GbE, 2x200GbE, or 1x400GbE..

Jumbo Frames

- Allows high-performance backups and disaster-recovery systems; supports a maximum frame size of 9K bytes

Unsupported Transceiver Mode (UTM)

- Allows enabling unsupported transceiver and cable for up to 400G
- Using unsupported transceiver/cable can void warranty, gets no support, and comes with no guarantee of operating

Loopback

- Supports internal loopback testing for maintenance purposes and increased availability; loopback detection protects against incorrect cabling or network configurations and can be enabled on a per-port or per-VLAN basis for added flexibility

Packet Storm Protection

- Protects against unknown broadcast, multicast, or unicast storms with user-defined thresholds

Quality of Service (QoS)

- **Strict Priority (SP) Queuing and Deficit Weighted Round Robin (DWRR)**
  - Enable congestion avoidance
- **Data Center Bridging (DCB)**
  - Supports lossless Ethernet networking standards to eliminate packet loss due to queue overflow
  - Priority Flow Control (PFC) 7 priorities per port
  - Enhanced Transmission Service (ETS)
  - DCB Exchange Protocol (Pre-standard LLDP DCBX IEEE 1.01 version)
- **Flow-Control Guard**
  - Prevents accumulation of excessive congestion with periodic flushing. Avoids packets buffering for an extended time period
- **ECN with slope**
  - Marks packets as ECN-CE (Congestion Experienced. Helps TCP to reduce receive window size during congestion
- **Advanced lossless pool configuration**
- **Global buffering statistics**
- **Storage Solution Support**
  - iSCSI, Lossless iSCSI, RDMA over Converged Ethernet version 2 (RoCE v1 and v2) and Non-Volatile Memory Express (NVMeOF)

Standard Features

Resiliency and High Availability

Redundant and Load-Sharing Fans and Power Supplies

- Increases total performance and power availability

Hot swappable Power Supply and Fan Modules

- Allows replacement of accessory modules without any operational impact on other modules or the switch operations

Separate Data and Control Paths

- Separates control from services and keeps service processing isolated; increases security and performance

Aruba Virtual Switching Extension (VSX)

- VSX enables a distributed and redundant architecture by deploying two switches with each switch maintaining independent control yet staying synchronized during upgrades or failover. Also supports upgrades during live operation

Virtual Router Redundancy Protocol (VRRP)

- VRRP allows a group of switches to dynamically back each other up to create highly available routed environments
- It also supports route-leaking to/from default VRF

Bidirectional Forward Detection (BFD)

- Enable sub-second failure detection for rapid routing protocol re-balancing

Ethernet Ring Protection Switching (ERPS)

- Supports rapid protection and recovery in a ring topology.

Unidirectional Link Detection (UDLD)

- Monitors link connectivity and shuts down ports at both ends if unidirectional traffic is detected, preventing loops in STP-based networks

IEEE 802.3ad LACP

- Supports up to 128 LAGs, with up to 16 members per LAG (32 for a VSX pair), with a user-selectable L1- 4 hashing algorithm

Management

In addition to the Aruba CX Mobile App, Aruba NetEdit and Aruba Network Analytics Engine, the HPE Aruba Networking CX 9300 Switch Series offers the following:

Built-in programmable and easy to use **REST API interface**

Industry-Standard CLI with a Hierarchical Structure

- Reduces training time and expenses, and increases productivity in multivendor installations

Management Security

- Restricts access to critical configuration commands; offers multiple privilege levels with password protection; ACLs provide SNMP access; local and remote Syslog capabilities allow logging of all access.
- Private VLAN (PVLAN) provides traffic isolation between users on the same VLAN. Typically a switch port can only communicate with other ports in the same community and/or an uplink port, regardless of VLAN ID or destination MAC address. This extends network security by restricting peer-peer communication to prevent variety of malicious attacks.

IPSLA

- Monitors the network for degradation of various services, including voice.
- Monitoring is enabled via the NAE for history and for immediate automated gathering of additional information when anomalies are detected

Standard Features

SNMP v2c/v3

- Provides SNMP read and trap support of industry standard Management Information Base (MIB), and private extensions
- It supports STP TCN Trap, STP New Root and SNMP-Write- Set-Description on Interface.

sFlow® (RFC 3176)

- Provides scalable ASIC-based wire speed network monitoring and accounting with no impact on network performance; this allows network operators to gather a variety of sophisticated network statistics and information for capacity planning and real-time network monitoring purposes

Remote Monitoring (RMON)

- Uses standard SNMP to monitor essential network functions and supports events, alarms, history, and statistics groups as well as a private alarm extension group

TFTP and SFTP Support

- Offers different mechanisms for configuration updates; trivial FTP (TFTP) allows bidirectional transfers over a TCP/ IP network
- Secure File Transfer Protocol (SFTP) runs over an SSH tunnel to provide additional security

Debug and Sampler Utility

- Supports ping and traceroute for IPv4 and IPv6

Network Time Protocol (NTP)

- Synchronizes timekeeping among distributed time servers and clients; keeps timekeeping consistent among all clock-dependent devices within the network
- Can serve as the NTP server in a customer network

IEEE 802.1AB Link Layer Discovery Protocol (LLDP)

- Advertises and receives management information from adjacent devices on a network, facilitating easy mapping by network management applications

LACP-fallback

- Enables Zero Touch Provisioning over Link Aggregation Groups.

Dual Flash Images

- Provides independent primary and secondary operating system files for backup while upgrading

Multiple Configuration Files

- Stores files easily to the flash image

Layer 2 Switching

VLAN

- Supports up to 4,040 port-based or IEEE 802.1Q-based VLANs

VLAN Translation

- Remaps VLANs during transit across a core network

Bridge Protocol Data Unit (BPDU) Tunneling

- Transmits STP BPDUs transparently, allowing correct tree calculations across service providers, WANs, or MANs

Port Mirroring

- Duplicates port traffic (ingress and egress) to a local or remote monitoring port; supports 4 mirroring groups, with an unlimited number of ports per group

Standard Features

STP

- Supports standard IEEE 802.1D STP, IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) for faster convergence, and IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)

Rapid Per-VLAN Spanning Tree Plus (RPVST+)

- Allows each VLAN to build a separate spanning tree to improve link bandwidth usage in network environments with multiple VLANs

Internet Group Management Protocol (IGMP)

- Controls and manages the flooding of multicast packets in a Layer 2 network

Static VXLAN

- Allows operators to manually connect two or more VXLAN tunnel endpoints (VTEP)

Dynamic VXLAN with BGP-EVPN

- Deep segmentation for Spine/Leaf data center networks or Layer 3 campus designs with centralized gateway and symmetric Integrated Routing and Bridging (IRB) based distributed gateways VXLAN tunnels.
- EVPN and VXLAN features include inbound and outbound route map support, matching L3VNI matching, local-preference setting, ip next-hop, as-path prepend, ip/ipv6 address prefix-list matching.
- VXLAN DC multi-fabric DCI support.

Multicast

- PIM Multicast Boundary (v4)
- VSX Graceful shutdown for IGMP/MLD
- Multicast NSF

IPv4 Multicast in VXLAN/EVPN Overlay

- Enable PIM-SM/IGMP snooping in the VXLAN Overlay

IPv6 VXLAN/EVPN Overlay Support

- Enables IPv6 traffic over the VXLAN overlay

VXLAN Distributed Anycast Gateway

- Addressing mechanism that enables the use of the same gateway IP addresses across all the leaf switches part of a VXLAN network.
- It supports VSX active forwarding for VXLAN underlay.

VXLAN ARP/ND Suppression

- Allows minimization of ARP and ND traffic flooding within individual VXLAN segments, thus optimizing the VXLAN network

Layer 3 Services

Address Resolution Protocol (ARP)

- Determines the MAC address of another IP host in the same subnet; supports static ARPs
- Gratuitous ARP allows detection of duplicate IP addresses
- Proxy ARP allows normal ARP operation between subnets or when subnets are separated by a Layer 2 network

IP Directed Broadcast

- Supports directed broadcast on configured network subnets

Standard Features

Dynamic Host Configuration Protocol (DHCP)

- DHCP services are offered within a client network to simplify network management
- DHCP Relay enables DHCP operation across subnets

DHCP Server

- Supports DHCP Smart Relay services (for IPv4 and IPv6) in customer networks
- DHCP relay coexistence with server
- Allows DHCP relay coexistence with DHCP server for both IPv4 and IPv6

Domain Name System (DNS)

- Provides a distributed database that translates domain names and IP addresses, which simplifies network design; supports client and server
- It also supports mDNS Gateway.

Generic Routing Encapsulation (GRE)

- Enables tunneling traffic from site to site over a Layer 3 path

Layer 3 Routing

Static IPv4 routing

- Provides simple manually configured IPv4 routing

Open shortest path first (OSPF)

- Delivers faster convergence; uses link-state routing Interior Gateway Protocol (IGP), which supports ECMP, NSSA, and MD5 authentication for increased security and graceful restart for faster failure recovery.
- Enhanced features include configurable OSPF distance for type-5 LSA and configurable default-metric for OSPF default-information guide.

Loopback IP redistribution in OSPF

- Allows redistribution of IPv4 and IPv6 addresses of loopback interface in OSFPv2/v3

Border Gateway Protocol 4 (BGP-4)

- Delivers an implementation of the Exterior Gateway Protocol (EGP) utilizing path vectors; uses TCP for enhanced reliability for the route discovery process; reduces bandwidth consumption by advertising only incremental updates; supports extensive policies for increased flexibility; scales to very large networks

Dynamic BGP Peering

- Simplifies BGP configuration for ZTP scenarios and enables CX for Azure stack integration

Routing Information Protocol version 2 (RIPv2)

- Easy to configure routing protocol for small networks relying on User Datagram Protocol (UDP)

Routing Information Protocol Next Generation (RIPng)

- Extension of RIPv2 for support of IPv6 networking

Multiprotocol BGP (MP-BGP) with IPv6 Address Family

- Enables sharing of IPv6 routes using BGP and connections to BGP peers using IPv6

Policy Based Routing (PBR)

- Enables using a classifier to select traffic that can be forwarded based on policy set by the network administrator

6in4 Tunnels

- Supports the tunneling of IPv6 traffic in an IPv4 network

Standard Features

IP Performance Optimization

- Provides a set of tools to improve the performance of IPv4 networks; includes directed broadcasts, customization of TCP parameters, support of ICMP error packets, and extensive display capabilities

Dynamic Pool Configuration

- Enables lossless pool configuration without switch reboot

Static IPv6 Routing

- Provides simple manually configured IPv6 routing

Dual IP Stack

- Maintains separate stacks for IPv4 and IPv6 to ease the transition from an IPv4-only network to an IPv6-only network design

OSPFv3

- Provides OSPF support for IPv6

Equal-Cost Multipath (ECMP)

- Enables multiple equal-cost links in a routing environment to increase link redundancy and scale bandwidth

Generic Routing Encapsulation (GRE)

- Enables tunneling traffic from site to site over a Layer 3 path

Visibility

Customers can choose to upgrade the active, embedded CX Foundation license to the term-based CX Advanced license to unlock the following benefits for their business:

- Delivers deep visibility with Aruba CX Edge Insights for application recognition, identification, and flow capture from layer 4 to layer 7. CX Edge Insights enables granular datapoint collection with search, sort and reporting as well as the ability to recognize 22 categories and more than 3700 applications.

Security

TAA Compliance

- TAA compliant product, uses FIPS 140-2 validated cryptography for protection of sensitive information

Federal Certification

- Compliant with DoDIN, APL, NDcPP, FIPS, and USGv6 requirements for federal certifications.

Access control list (ACL) Features

- Supports powerful ACLs for both IPv4 and IPv6. Supports creation of object groups representing sets of devices like IP addresses. For instance, IT management devices could be grouped in this way
- ACLs can also protect control plane services such as SSH, SNMP, NTP or web servers

Enrollment over Secure Transport (EST)

- Enables secure certificate enrollment, allowing for easier enterprise management of PKI.

Remote Authentication Dial-In User Service (RADIUS)

- Eases security access administration by using a password authentication server

Terminal Access Controller Access-Control System (TACACS+)

- Delivers an authentication tool using TCP with encryption of the full authentication request, providing additional security

Standard Features

RadSec

- Enable RADIUS authentication and accounting data to be passed safely and reliably across insecure networks such as the internet

Management access security

- AOS-CX provides for both on-box as well as off- box authentication for administrative access. RADIUS or TACACS+ can be used to provide encrypted user authentication
- Additionally, TACACS+ can also provide user authorization services

Secure shell (SSHv2)

- Uses external servers to securely log in to a remote device; with authentication and encryption, it protects against IP spoofing and plain-text password interception; increases the security of Secure FTP (SFTP) transfers

Multicast

Internet Group Management Protocol (IGMP)

- Enables establishing multicast group memberships in IPv4 networks; supports IGMPv1, v2, and v3

Multicast Listener Discovery (MLD)

- Enable discovery of IPv6 multicast listeners; supports MLDv, v2.

Multicast Service Delivery Protocol (MSDP) for Anycast RP

- MSDP used for Anycast RP is an intradomain feature that provides redundancy and load-sharing capabilities.

MSDP Mesh Groups

- Allows to avoid SA messages flood to other mesh group peers.

PIM-Dense Mode

- Floods multicast traffic to every corner of the network (push-model). Method is for delivering data to receivers without receivers requesting the data. Can be efficient in certain deployments in which there are active receivers on every subnet in the network. Branches without downstream receivers are pruned from the forwarding trees.

FastLeave (FL) and Forced-FastLeave (FFL)

- FL and FFL for IGMP/MLD speed up the process of blocking unnecessary Multicast traffic to a switch port that is connected to end nodes for IGMP. They help to eliminate the CPU overhead of having to generate an IGMP/MLD Group-Specific Query message.

Protocol Independent Multicast (PIM)

- Protocol Independent Multicast for IPv4 and IPv6 supports one-to-many and many-to-many media casting use cases such as IPTV over IPv4 and IPv6 networks. Support for PIM Sparse Mode (PIM-SM, IPv4, IPv6), Source-Specific Multicast (SSM), and Dense Mode (DM).

Additional information

- Green initiative support
- Provides support for RoHS (EN 50581:2012) regulations

Korea Government Security Features

- Ensure configuration integrity
- Limit concurrent users for web access
- Platforms: All CX platforms

Analytics

- AIOPS - NAE Agent & Engine Improvements – Unicast Routing
- AIOPS - NAE Agent & Engine Improvements – Client Services

Standard Features

Customer first, customer last support
When your network is important to your business, then your business needs the backing of Aruba Support Services. Partner with Aruba product experts to increase your team productivity, keep pace with technology advances, software releases, and obtain break-fix support.

Tech Care for Aruba support services include priority access to Aruba Technical Assistance Center(TAC) engineers 24x7x365, flexible hardware and onsite support options, and total coverage for Aruba products. Aruba switches with assigned Aruba Central subscriptions benefit with option for additional hardware support only.

Aruba Pro Care adds fast access to senior Aruba TAC engineers, who are assigned as a single point of contact for case management, reducing the time spent addressing and resolving issues.

For complete details on Tech Care and Aruba Pro Care, please visit: **https://www.arubanetworks.com/supportservices/**

Warranty, services and support

Limited Lifetime Warranty

- See **https://www.arubanetworks.com/support-services/product-warranties/** for warranty and support information included with your product purchase.

For more detailed information Aruba AOS-CX software releases and features **AOS-CX Switch Software Documentation Portal** and **Aruba Switch Feature Navigator**

For **Support and Services** information, visit **https://www.arubanetworks.com/support-services/arubacare/**

Configuration Information

BTO Models

AC Bundles

Rule #	Description	SKU
1, 2, 3, 4, 5, 6	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Front-to-Back 6 Fans 2 AC PSU Bundle • Includes 2 FB Power Supplies (R8Z97A) with no additional open PS slots, Warning: 200-225VAC use only • Includes 6 FB Fan Tray Bundles (R8Z99A) with no additional open FT Slots • 2 Post Rack Kit included • Min=0 \ Max = 32 QSFP-DD 200/400G Transceivers • 1U - Height	R9A29A
	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Front-to-Back 6 Fans 2 AC PSU Bundle • C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent)	R9A29A
	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Front-to-Back 6 Fans 2 AC PSU Bundle • C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent)	R9A29A
	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Front-to-Back 6 Fans 2 AC PSU Bundle • HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A)	R9A29A
	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Front-to-Back 6 Fans 2 AC PSU Bundle • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	R9A29A
1, 2, 3, 4, 5, 6	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Back-to-Front 6 Fans 2 AC PSU Bundle • Includes 2 BF Power Supplies (R8Z98A) with no additional open PS slots, Warning: 200-225VAC use only • Includes 6 BF Fan Tray Bundles (R9A00A) with no additional open FT Slots • 2 Post Rack Kit included • Min=0 \ Max = 32 QSFP-DD 200/400G Transceivers • 1U - Height	R9A30A
	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Back-to-Front 6 Fans 2 AC PSU Bundle • C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent)	R9A30A
	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Back-to-Front 6 Fans 2 AC PSU Bundle • C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent)	R9A30A
	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Back-to-Front 6 Fans 2 AC PSU Bundle • HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A)	R9A30A
	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Back-to-Front 6 Fans 2 AC PSU Bundle • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	R9A30A

Configuration Rules

Rule #	Description	
1	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	Aruba 400G QSFP-DD MPO-16 SR8 100m MMF Transceiver	R9B41A
	Aruba 400G QSFP-DD MPO-12 eDR4 2km SMF Transceiver	R9B42A
2	The following AOC's install into this Switch: (Use BTO only when adding to switch)	
	Aruba 200G DD-2xQSFP28 100G 3m AOC HPE	R9B60A
	Aruba 200G DD-2xQSFP28 100G 7m AOC HPE	R9B58A

Configuration Information

	Aruba 200G DD-2xQSFP28 100G 15m AOC HPE	R9B62A
	Aruba 200G DD-2xQSFP28 100G 30m AOC HPE	R9B61A
	Aruba 200G DD-2xQSFP28 100G 50m AOC HPE	R9B59A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 3m Active Optical Cable	R9B55A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 7m Active Optical Cable	R9B53A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 15m Active Optical Cable	R9B57A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 30m Active Optical Cable	R9B56A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 50m Active Optical Cable	R9B54A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 3m Active Optical Cable	R9B50A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 7m Active Optical Cable	R9B48A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 15m Active Optical Cable	R9B52A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 30m Active Optical Cable	R9B51A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 50m Active Optical Cable	R9B49A
	Aruba 400G QSFP-DD to QSFP-DD 3m Active Optical Cable	R9B45A
	Aruba 400G QSFP-DD to QSFP-DD 7m Active Optical Cable	R9B43A
	Aruba 400G QSFP-DD to QSFP-DD 15m Active Optical Cable	R9B47A
	Aruba 400G QSFP-DD to QSFP-DD 30m Active Optical Cable	R9B46A
	Aruba 400G QSFP-DD to QSFP-DD 50m Active Optical Cable	R9B44A
3	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	Aruba 100G QSFP28 MPO SR4 100m 12-fiber MPO OM3 MMF Transceiver	JL309A
	Aruba 100G QSFP28 LC FR1 SMF 2km Transceiver	R9B63A
	Aruba 100G QSFP28 LC CWDM4 2km SMF Transceiver	R0Z30A
	Aruba 100G QSFP28 LC LR4 10km SMF 2-strand Transceiver	JL310A
	Aruba 100G QSFP28 LC ER4L 40km SMF Transceiver	JL743A
	Aruba 100G QSFP28 to QSFP28 2m Active Optical Cable	JL856A
	Aruba 100G QSFP28 to QSFP28 7m Active Optical Cable	R0Z27A
	Aruba 100G QSFP28 to QSFP28 15m Active Optical Cable	R0Z28A
	Aruba 100G QSFP28 to QSFP28 30m Active Optical Cable	R0Z29A
4	Localization required on orders without B2B, B2C, B2E or AC3 options.	
5	Unbuildable/FAN required, generates CFGU: If order is quoted for India and contains "#B2C" Option, then Display the following: • For BTO shipments to India: Please replace <Base Model>#B2C option with <Base Model>#AC3 in the Bill of Materials and add the appropriate INDIA PDU Power Cord below via Ad-Hoc: – JL671A - HPE 2.0m C13 to C14 PDU IN Power Cord – JL672A - HPE 2.5m C15 to C14 PDU IN Power Cord – JL673A - HPE 2.5m C19 to C20 PDU IN Power Cord • For Factory Integration of Power Cord, please add "#0D1" to the Power Cord Sku suffix. (Ex. JL671A#0D1)	
6	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	HPE X142 40G QSFP+ LC LR4 SM Transceiver	JH232A
	Aruba 40G QSFP+ LC ER4 40km SMF Transceiver	Q9G82A
	Aruba 40G QSFP+ to QSFP+ 7m Active Optical Cable	R0Z22A
	Aruba 40G QSFP+ to QSFP+ 15m Active Optical Cable	R0Z23A
	Aruba 40G QSFP+ to QSFP+ 30m Active Optical Cable	R0Z24A

Notes:

- Drop down under power supply should offer the following options and results:
  - Switch/Router/Power Supply to PDU Power Cord - B2B in North America, Mexico, Taiwan, and Japan or B2C ROW. (OCA Default B2B or B2C for Rack Level CTO)
  - Switch/Router/Power Supply to Wall Power Cord - Localized Option (OCA Default for BTO and Box Level CTO)
  - High Volt Switch/Router/Power Supply to Wall Power Cord - B2E Option. (Offered only in North America, Mexico, Taiwan, and Japan)
  - No Power Cord - AC3 Option
- Locking Power Cord (J9955A) L6-20P is available through the OCA Accessories tab

Configuration Information

– OCA Only Model Selection Form - HPE Offering > Aruba > Switches > ArubaOS > AOS-CX: Aruba 9300 Switch Series

Rack Level Integration CTO Models

AC Bundles

Rule #	Description	SKU
1, 2, 3, 4, 5, 6, 8	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Front-to-Back 6 Fans 2 AC PSU Bundle • Includes 2 FB Power Supplies (R8Z97A) with no additional open PS slots, **Warning:** 200-225VAC use only • Includes 6 FB Fan Tray Bundles (R8Z99A) with no additional open FT Slots • 2 Post Rack Kit included, must select 4 Post Rack Kit • Min=0 \ Max = 32 QSFP-DD 200/400G Transceivers • 1U - Height	R9A29A
	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Front-to-Back 6 Fans 2 AC PSU Bundle • C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent)	R9A29A
	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Front-to-Back 6 Fans 2 AC PSU Bundle • C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent)	R9A29A
	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Front-to-Back 6 Fans 2 AC PSU Bundle • HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A)	R9A29A
	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Front-to-Back 6 Fans 2 AC PSU Bundle • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	R9A29A
1, 2, 3, 4, 5, 6, 8	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Back-to-Front 6 Fans 2 AC PSU Bundle • Includes 2 BF Power Supplies (R8Z98A) with no additional open PS slots, **Warning:** 200-225VAC use only • Includes 6 BF Fan Tray Bundles (R9A00A) with no additional open FT Slots • 2 Post Rack Kit included, must select 4 Post Rack Kit • Min=0 \ Max = 32 QSFP-DD 200/400G Transceivers • 1U - Height	R9A30A
	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Back-to-Front 6 Fans 2 AC PSU Bundle • C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent)	R9A30A
	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Back-to-Front 6 Fans 2 AC PSU Bundle • C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent)	R9A30A
	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Back-to-Front 6 Fans 2 AC PSU Bundle • HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A)	R9A30A
	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Back-to-Front 6 Fans 2 AC PSU Bundle • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	R9A30A

Configuration Information

Configuration Rules

Rule #	Description	
1	The following Transceivers install into this Switch: (Use 0D1 or B01 quoted to switch if switch is CTO) - if applicable:	
	Aruba 400G QSFP-DD MPO-16 SR8 100m MMF Transceiver	R9B41A
	Aruba 400G QSFP-DD MPO-12 eDR4 2km SMF Transceiver	R9B42A
2	The following AOCs install into this Switch: (Use 0D1 or B01 quoted to switch if switch is CTO) - if applicable:	
	Aruba 200G DD-2xQSFP28 100G 3m AOC HPE	R9B60A
	Aruba 200G DD-2xQSFP28 100G 7m AOC HPE	R9B58A
	Aruba 200G DD-2xQSFP28 100G 15m AOC HPE	R9B62A
	Aruba 200G DD-2xQSFP28 100G 30m AOC HPE	R9B61A
	Aruba 200G DD-2xQSFP28 100G 50m AOC HPE	R9B59A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 3m Active Optical Cable	R9B55A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 7m Active Optical Cable	R9B53A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 15m Active Optical Cable	R9B57A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 30m Active Optical Cable	R9B56A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 50m Active Optical Cable	R9B54A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 3m Active Optical Cable	R9B50A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 7m Active Optical Cable	R9B48A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 15m Active Optical Cable	R9B52A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 30m Active Optical Cable	R9B51A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 50m Active Optical Cable	R9B49A
	Aruba 400G QSFP-DD to QSFP-DD 3m Active Optical Cable	R9B45A
	Aruba 400G QSFP-DD to QSFP-DD 7m Active Optical Cable	R9B43A
	Aruba 400G QSFP-DD to QSFP-DD 15m Active Optical Cable	R9B47A
	Aruba 400G QSFP-DD to QSFP-DD 30m Active Optical Cable	R9B46A
	Aruba 400G QSFP-DD to QSFP-DD 50m Active Optical Cable	R9B44A
3	The following Transceivers install into this Switch: (Use 0D1 or B01 quoted to switch if switch is CTO) - if applicable:	
	Aruba 100G QSFP28 MPO SR4 100m 12-fiber MPO OM3 MMF Transceiver	JL309A
	Aruba 100G QSFP28 LC FR1 SMF 2km Transceiver	R9B63A
	Aruba 100G QSFP28 LC CWDM4 2km SMF Transceiver	R0Z30A
	Aruba 100G QSFP28 LC LR4 10km SMF 2-strand Transceiver	JL310A
	Aruba 100G QSFP28 LC ER4L 40km SMF Transceiver	JL743A
	Aruba 100G QSFP28 to QSFP28 2m Active Optical Cable	JL856A
	Aruba 100G QSFP28 to QSFP28 7m Active Optical Cable	R0Z27A
	Aruba 100G QSFP28 to QSFP28 15m Active Optical Cable	R0Z28A
	Aruba 100G QSFP28 to QSFP28 30m Active Optical Cable	R0Z29A
4	OCA Only: Required Custom Choice (Min1/Max1) Switch/Router/Power Supply to PDU Power Cord - B2B in North America, Mexico, Taiwan, and Japan or B2C ROW. (OCA Default B2B or B2C for Rack Level CTO) Switch/Router/Power Supply to Wall Power Cord - Localized Option (OCA Default for BTO) High Volt Switch/Router/Power Supply to Wall Power Cord - B2E Option. (Offered only in North America, Mexico, Taiwan, and Japan) No Power Cord - AC3 Option	
5	If the CTO Switch Chassis needs to be racked, Then the CTO Base Model needs to integrate (with 0D1) to the HPE Network Rack.	
6	Unbuildable/FAN required, generates CFGU: If order is quoted for India and contains "#B2C" Option, then Display the following: • For BTO shipments to India: Please replace <Base Model>#B2C option with <Base Model>#AC3 in the Bill of Materials and add the appropriate INDIA PDU Power Cord below via Ad-Hoc: – JL671A - HPE 2.0m C13 to C14 PDU IN Power Cord	

Configuration Information

	– JL672A - HPE 2.5m C15 to C14 PDU IN Power Cord	
	– JL673A - HPE 2.5m C19 to C20 PDU IN Power Cord	
	For Factory Integration of Power Cord, please add "#0D1" to the Power Cord Sku suffix. (Ex. JL671A#0D1)	
8	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	HPE X142 40G QSFP+ LC LR4 SM Transceiver	JH232A
	Aruba 40G QSFP+ LC ER4 40km SMF Transceiver	Q9G82A
	Aruba 40G QSFP+ to QSFP+ 7m Active Optical Cable	R0Z22A
	Aruba 40G QSFP+ to QSFP+ 15m Active Optical Cable	R0Z23A
	Aruba 40G QSFP+ to QSFP+ 30m Active Optical Cable	R0Z24A
Notes:	Locking Power Cord (J9955A) L6-20P is available through the OCA Accessories tab	

Transceivers

QSFP+ Transceivers

	HPE X142 40G QSFP+ MPO SR4 Transceiver	JH231A
	HPE X142 40G QSFP+ MPO eSR4 300M Transceiver	JH233A
	Aruba 40G QSFP+ LC Bidirectional 150m MMF 2-strand Transceiver	JL308A
	HPE X142 40G QSFP+ LC LR4 SM Transceiver	JH232A
	Aruba 40G QSFP+ LC ER4 40km SMF Transceiver	Q9G82A
	Aruba 40G QSFP+ to QSFP+ 7m Active Optical Cable	R0Z22A
	Aruba 40G QSFP+ to QSFP+ 15m Active Optical Cable	R0Z23A
	Aruba 40G QSFP+ to QSFP+ 30m Active Optical Cable	R0Z24A

QSFP28 Transceivers

	Aruba 100G QSFP28 MPO SR4 100m 12-fiber MPO OM3 MMF Transceiver	JL309A
	Aruba 100G QSFP28 LC FR1 SMF 2km Transceiver	R9B63A
	Aruba 100G QSFP28 LC CWDM4 2km SMF Transceiver	R0Z30A
	Aruba 100G QSFP28 LC LR4 10km SMF 2-strand Transceiver	JL310A
	Aruba 100G QSFP28 LC ER4L 40km SMF Transceiver	JL743A
	Aruba 100G QSFP28 to QSFP28 2m Active Optical Cable	JL856A
	Aruba 100G QSFP28 to QSFP28 7m Active Optical Cable	R0Z27A
	Aruba 100G QSFP28 to QSFP28 15m Active Optical Cable	R0Z28A
	Aruba 100G QSFP28 to QSFP28 30m Active Optical Cable	R0Z29A

QSFP-DD Transceivers

Rule #	Description	SKU
	Aruba 400G QSFP-DD MPO-16 SR8 100m MMF Transceiver	R9B41A
	Aruba 400G QSFP-DD MPO-12 eDR4 2km SMF Transceiver	R9B42A

QSFP-DD AOC

Rule #	Description	SKU
	Aruba 200G DD-2xQSFP28 100G 3m AOC HPE	R9B60A
	Aruba 200G DD-2xQSFP28 100G 7m AOC HPE	R9B58A
	Aruba 200G DD-2xQSFP28 100G 15m AOC HPE	R9B62A
	Aruba 200G DD-2xQSFP28 100G 30m AOC HPE	R9B61A
	Aruba 200G DD-2xQSFP28 100G 50m AOC HPE	R9B59A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 3m Active Optical Cable	R9B55A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 7m Active Optical Cable	R9B53A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 15m Active Optical Cable	R9B57A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 30m Active Optical Cable	R9B56A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 50m Active Optical Cable	R9B54A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 3m Active Optical Cable	R9B50A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 7m Active Optical Cable	R9B48A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 15m Active Optical Cable	R9B52A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 30m Active Optical Cable	R9B51A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 50m Active Optical Cable	R9B49A
	Aruba 400G QSFP-DD to QSFP-DD 3m Active Optical Cable	R9B45A
	Aruba 400G QSFP-DD to QSFP-DD 7m Active Optical Cable	R9B43A

Configuration Information

	Aruba 400G QSFP-DD to QSFP-DD 15m Active Optical Cable	R9B47A
	Aruba 400G QSFP-DD to QSFP-DD 30m Active Optical Cable	R9B46A
	Aruba 400G QSFP-DD to QSFP-DD 50m Active Optical Cable	R9B44A

Notes: Only the QSFP-DD end of the AOC to the 9300 Switch is supported

Switch Options

Rack Mount Kit

For 9300 System (std 0 // max 1) User Selection (min 0 // max 1) per enclosure

Rule #	Description	SKU
	Aruba X474 4-post Rack Kit	JL483C
	• Default qty 1	

Notes: If the switch will be factory racked into an HPE Universal Rack, then (Min 1) of the 4 Post Rack Mount kit is required.

India PDU Cable

For 9300 (std 0 // max 1) User Selection (min 0 // max 1) per enclosure

Rule #	Description	SKU
	HPE 2.0m C13 to C14 PDU India Power Cord	JL671A
	• C13 India PDU Cable for Factory Racked Systems Only	

Notes: This cable is intended for India use only. Typically power cord is ordered when power supply option #AC3 is selected.

Accessories

Spare Items

Rule #	Description	SKU
	Aruba 9300-32D 32-port 100/200/400G QSFP-DD 2-port 10G Switch	
	• This is a Spare only	
	• Must be used with 2 Power Units (R8Z97A, R8Z98A)	
	• Must be used with 6 Fan Tray (R8Z99A, R9A00A)	
	• 2 Post Rack Kit included, must use 4 Post Rack Mount Kit(J9583C) with HPE Racks	
	• 1U - Height	
1, 2	Aruba 9300-32D 32-port 100/200/400G QSFP-DD 2-port 10G Switch	R8Z96A
	• includes 1 x c13, 1500w	
	Aruba 9300 1500W 100-240VAC Front-to-Back AC Power Supply	R8Z97A
	• C13 PDU Jumper Cord (NA/MEX/TW/JP) (JL697A)	
	Aruba 9300 1500W 100-240VAC Front-to-Back AC Power Supply PDU	R8Z97A#B2B
	• C13 PDU Jumper Cord (ROW) (JL697A)	
	Aruba 9300 1500W 100-240VAC Front-to-Back AC Power Supply PDU	R8Z97A#B2C
	• HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A)	
	Aruba 9300 1500W 100-240VAC Front-to-Back AC Power Supply 220v	R8Z97A#B2E
	• No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	
1, 2	Aruba 9300 1500W 100-240VAC Front-to-Back AC Power Supply No Loc	R8Z97A#AC3
	• includes 1 x c13, 1500w	
	Aruba 9300 1500W 100-240VAC Back-to-Front AC Power Supply	R8Z98A
	• C13 PDU Jumper Cord (NA/MEX/TW/JP) (JL697A)	
	Aruba 9300 1500W 100-240VAC Back-to-Front AC Power Supply PDU	R8Z98A#B2B
	• C13 PDU Jumper Cord (ROW) (JL697A)	
	Aruba 9300 1500W 100-240VAC Back-to-Front AC Power Supply PDU	R8Z98A#B2C
	• HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A)	
	Aruba 9300 1500W 100-240VAC Back-to-Front AC Power Supply 220v	R8Z98A#B2E
	• No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	
	Aruba 9300 1500W 100-240VAC Back-to-Front AC Power Supply	R8Z98A

Configuration Information

	Aruba 9300 Front-to-Back Fan	R8Z99A
	Aruba 9300 Back-to-Front Fan	R9A00A
	Aruba X472 2-post Rack Kit	JL482C
	Aruba X474 4-post Rack Kit	JL483C
	Aruba X2C2 RJ45 to DB9 Console Cable	JL448A
	Aruba USBA-RJ45 PC-to-Switch PIN6TX-3RX 2.5m Cable	R9G48A
	Aruba USB-A reversible to USB-C PC-to-Switch 3m Cable	R9J32A
	Aruba USB-C to USB-C PC-to-Switch 3m Cable	R9J33A
	HPE Aruba Networking CX Switch Bluetooth Adapter	S1H23A

Configuration Rules

Rule # **Description**

1 Localization required on orders without B2B, B2C, B2E or AC3 options.

2 Unbuildable/FAN required, generates CFGU: If order is quoted for India and contains "#B2C" Option, then Display the following:

- For BTO shipments to India:
  Please replace <Base Model>#B2C option with <Base Model>#AC3 in the Bill of Materials and add the appropriate INDIA PDU Power Cord below via Ad-Hoc:
  - JL671A - HPE 2.0m C13 to C14 PDU IN Power Cord
  - JL672A - HPE 2.5m C15 to C14 PDU IN Power Cord
  - JL673A - HPE 2.5m C19 to C20 PDU IN Power Cord

For Factory Integration of Power Cord, please add "#0D1" to the Power Cord Sku suffix. (Ex. JL671A#0D1)

Notes:

- Drop down under power supply should offer the following options and results:
  - Switch/Router/Power Supply to PDU Power Cord - #B2B in North America, Mexico, Taiwan, and Japan or #B2C ROW. (OCA Default B2B or B2C for Rack Level CTO)
  - Switch/Router/Power Supply to Wall Power Cord - Localized Option (OCA Default for BTO)
  - High Volt Switch/Router/Power Supply to Wall Power Cord - #B2E Option. (Offered only in North America, Mexico, Taiwan, and Japan)
  - No Power Cord - #AC3 Option
- OCA Display **Notes:** Locking Power Cord (J9955A) L6-20P is available in the Accessories tab
- OCA Display **Notes:** 2 Power Supplies and 6 Fan Trays are included with the Switch Bundle

Software

Aruba Fabric Composer

Single Node Subscription

	Aruba Fabric Composer Device Management Service Tier 4 Switch 1 year Subscription E-STU	R7G99AAE
	Aruba Fabric Composer Device Management Service Tier 4 Switch 3 year Subscription E-STU	R7H00AAE
	Aruba Fabric Composer Device Management Service Tier 4 Switch 5 year Subscription E-STU	R7H01AAE

Central

Notes: Add the Central Advanced Service Skus to the Aruba Catalog as Standalone:
Aruba > Network Management > Central > Advanced

On-Prem Services / 8XXX/9XXX/10XXX Switch Advanced Subscriptions

3	Aruba Central On-Premises 8xx/9xx/10xxx Switch Advanced 1 year Subscription E-STU	R6V08AAE
3	Aruba Central On-Premises 8xx/9xx/10xxx Switch Advanced 3 year Subscription E-STU	R6V09AAE
3	Aruba Central On-Premises 8xx/9xx/10xxx Switch Advanced 5 year Subscription E-STU	R6V10AAE
3	Aruba Central On-Premises 8xx/9xx/10xxx Switch Advanced 7 year Subscription E-STU	R6V11AAE
3	Aruba Central On-Premises 8xx/9xx/10xxx Switch Advanced 10 year Subscription E-STU	R6V12AAE

Cloud Services / 8XXX/9XXX/10XXX Switch Foundation Subscriptions

2	Aruba Central 8xxx Switch Foundation 1 year Subscription E-STU	R3K03AAE
2	Aruba Central 8xxx Switch Foundation 3 year Subscription E-STU	R3K04AAE
2	Aruba Central 8xxx Switch Foundation 5 year Subscription E-STU	R3K05AAE

Configuration Information

2	Aruba Central 8xxx Switch Foundation 7 year Subscription E-STU	R3K06AAE
2	Aruba Central 8xxx Switch Foundation 10 year Subscription E-STU	R3K07AAE

Configuration Rules

Rule#	Description	SKU
2	Add the Central Cloud Skus to the Aruba Catalog as Standalone: Aruba > Network Management > Central > Cloud Services	
3	Add the Central On-Prem Skus to the Aruba Catalog as Standalone: Aruba > Network Management > Central > On-Prem Services	

Aruba OS-CX

CX Advanced Software Licenses

Aruba CX Software 8/9xxx Switch Advanced 1-year Subscription E-STU	S0T87AAE
Aruba CX Software 8/9xxx Switch Advanced 3-year Subscription E-STU	S0T88AAE
Aruba CX Software 8/9xxx Switch Advanced 5-year Subscription E-STU	S0T89AAE
Aruba CX Software 8/9xxx Switch Advanced 7-year Subscription E-STU	S0T90AAE
Aruba CX Software 8/9xxx Switch Advanced 10-year Subscription E-STU	S0T86AAE

As-a-Service

Aruba Central

Cloud Services / Switch Advanced AAS Licenses

HPE Aruba Networking Central Switch Class-5 Advanced 7-year Subscription SaaS	S0W45AAS
HPE Aruba Networking Central Switch Class-5 Advanced 10-year Subscription SaaS	S0W46AAS
HPE Aruba Networking Central On-Premises Switch Class-5 Advanced 1-year Subscription SaaS	S0W62AAS
HPE Aruba Networking Central On-Premises Switch Class-5 Advanced 3-year Subscription SaaS	S0W63AAS
HPE Aruba Networking Central On-Premises Switch Class-5 Advanced 5-year Subscription SaaS	S0W64AAS
HPE Aruba Networking Central On-Premises Switch Class-5 Advanced 7-year Subscription SaaS	S0W65AAS
HPE Aruba Networking Central On-Premises Switch Class-5 Advanced 10-year Subscription SaaS	S0W66AAS
HPE Aruba Networking Central Switch Class-5 Advanced 1-year Subscription SaaS	S0W87AAS
HPE Aruba Networking Central Switch Class-5 Advanced 3-year Subscription SaaS	S0W88AAS
HPE Aruba Networking Central Switch Class-5 Advanced 5-year Subscription SaaS	S0W89AAS

Notes: For IRIS reference only. No action required for OCX and Clic

Technical Specifications

	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Front-to-Back 6 Fans 2 AC PSU Bundle (R9A29A)	**Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Back-to-Front 6 Fans 2 AC PSU Bundle** (R9A30A)
Description	The Aruba CX 9300-32D is a next-generation 25.6Tbps, 1U fixed configuration switch supporting 32-ports of 100GbE, 200GbE or 400GbE. The switch is an ideal solution for flexible, cost-effective, high-density networking for server, storage, and intra-fabric connectivity. This solution helps protect enterprises investment as they transition server farms from 10GbE and 25GbE to 100GbE/400GbE EVPN-VXLAN spine configurations at reduced power and a smaller footprint.	
Power supplies	2 redundant power supplies, field-replaceable, hot-swappable	
Fans	6 redundant fans, field-replaceable, hot-swappable	
Physical characteristics		
Dimensions	17.26" x 23.23" x 1.71" (43.84 x 59 x 4.35 cm)	
Full configuration weight	26.12 lb (11.85 kg)	
Additional specifications		
CPU	x86	
Memory, Drive and Flash	128GB m.2 SSD, 4GB mSATA, 16MB SPI Flash, 16GB x2 SODIMM	
Packet Buffer	132MB	
Performance*		
Switching Capacity	25.6Tbps	
IPv4 Host Table	163,840	
IPv6 Host Table	81,920	
IPv4 Unicast Routes	65,536 (1,269,760 Unidimensional for Spine)	
IPv6 Unicast Routes	32,768 (624,640 Unidimensional for Spine)	
MAC Table Size	81,920 (32,768 Unidimensional for Spine)	
IGMP Groups	8,192	
MLD Groups	8,192	
IPv4 Multicast Routes	8,192	
IPv6 Multicast Routes	4,096	
Notes:	*Some of these scaling numbers assume shared tables and uni-dimensional traffic.	
Environmental		
Operating temperature	32°F to 113°F (0°C to 45°C) at sea level. Derate -1°C for every 1,000 ft to 10,000 ft. (3.0 km)	32°F to 95°F (0°C to 35°C) at sea level. Derate -1°C for every 1,000 ft to 10,000 ft. (3.0 km)
Non-Operating/ Storage Temperature	-40°C to 70°C (-40°F to 158°F) up to 4.6km (15,000 ft)	
Operating relative humidity	15% to 95% @ 113°F (45°C) non-condensing	15% to 95% @ 95°F (35°C) non-condensing
Non-Operating/ Storage relative humidity	15% to 90% @ 158°F (70°C) non-condensing	
Max operating altitude	Up to 10,000ft (3km)	
Max non-operating	Up to 15,000ft (4.6km)	
Primary airflow	Front-to-Back	Back-to-Front
Acoustic[1]	LWad = 8.1 Bel LpAm (Bystander) = 61 dB	LWad = 8.3 Bel LpAm (Bystander) = 62 dB
Notes: [1]Values presented are the Declared A-Weighted Sound Power Level (LWAd) and the mean Bystander A-Weighted Sound Pressure Level (LpAm)		
Electrical characteristics		
Frequency	50-60Hz	

Technical Specifications

AC Voltage	100-127 / 220-240 VAC 200-240V required to support 8-32 port production configuration	
Current	12A / 8A	
Power consumption (230VAC)	100% Traffic Rate: 675W; Idle: 210W	100% Traffic Rate: 688W; Idle: 221W
	Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Front-to-Back 6 Fans 2 AC PSU Bundle (R9A29A)	**Aruba 9300-32D 32p 100/200/400G QSFP-DD 2p 10G SFP+ Back-to-Front 6 Fans 2 AC PSU Bundle** (R9A30A)
Safety	**Safety-**EU EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013 EN 62368-1:2014 +A11:2017 EN 62368-1:2018+A11:2020 **Safety-Worldwide** IEC 60950-1:2005 (Second Edition) + Am 1:2009 + Am 2: 2013 IEC 62368-1:2014 (Second Edition) IEC 62368-1:2018 (Third Edition) **Safety-North America** UL 62368-1 3rd, Ed. CAN/CSA-C22.2 N. 62368-1.19 3rd. Ed. **Environmental** Drop, Vibration, Shock: IEC 17025, ISTA 3C	
EMC	Immunity EN55024:2015 / CISPR 24:2015 ESD: EN 61000-4-2 Radiated: EN 61000-4-3 EFT/Burst: EN 61000-4-4 Surge: EN 61000-4-5 Conducted: EN 61000-4-6 Power frequency magnetic field: IEC 61000-4-8 Voltage dips and interruptions: EN 61000-4-11 Harmonics: EN 61000-3-2, IEC 61000-3-2 Flicker: EN 61000-3-3, IEC 61000-3-3 Emissions EN 55032:2015 / CISPR 32:2015, Class A VCCI-32:2016 Class A CNS 13483 AS/NZS ICES-003 Issue 5 FCC CFR 47 Part 15:2010, Class A RoHS-6 Compliant (EN 50581:2012)	
Lasers	EN60825-1:2014/IEC 60825-1: 2014 Class 1 Class 1 Laser Products/Laser Klasse 1	
Management	SNMP REST RJ-45 serial Micro USB console port RJ-45 OOBM Port	
Mounting and enclosure	Mounts in an EIA standard 19-inch rack or other equipment cabinet; horizontal surface mounting only; 2-post Rack Mount Kit included with switch, optional 4-post rack mount kit must be ordered separately - JL483C.	

Technical Specifications

Standards and Protocols

The following standards and protocols are supported.

- IEEE 802.1AB-2009
- IEEE 802.1ak-2007
- IEEE 802.1t-2001
- IEEE 802.1AX-2008 Link Aggregation
- IEEE 802.1p Traffic Class Expediting and Dynamic Multicast Filtering
- IEEE 802.1Q VLANs
- IEEE 802.1s Multiple Spanning Trees
- IEEE 802.1w Rapid Reconfiguration of Spanning Tree
- IEEE 802.3ad Link Aggregation Control Protocol (LACP)
- IEEE 802.3x Flow Control
- IEEE 802.3z Gigabit Ethernet
- IEEE 802.3by 25 Gigabit Ethernet
- IEEE 802.3ba 40 Gigabit Ethernet
- IEEE 802.3cd 50 Gigabit Ethernet
- IEEE 802.3ba and 802.3cd 100 Gigabit Ethernet
- IEEE 802.3bs 200 and 400 Gigabit Ethernet
- RFC 768 UDP
- RFC 791 IP
- RFC 792 ICMP
- RFC 793 TCP
- RFC 826 ARP
- RFC 768 User Datagram Protocol
- RFC 813 Window and Acknowledgement Strategy in TCP
- RFC 815 IP datagram reassembly algorithms
- RFC 879 TCP maximum segment size and related topics
- RFC 896 Congestion control in IP/TCP internetworks
- RFC 917 Internet subnets
- RFC 919 Broadcasting Internet Datagrams
- RFC 922 Broadcasting Internet Datagrams in the Presence of Subnets (IP_BROAD)
- RFC 925 Multi-LAN address resolution
- RFC 1215 Convention for defining traps for use with the SNMP
- RFC 1256 ICMP Router Discovery Messages
- RFC 1393 Traceroute Using an IP Option
- RFC 1591 Domain Name System Structure and Delegation
- RFC 1657 Definitions of Managed Objects for BGP-4 using SMIv2
- RFC 1772 Application of the Border Gateway Protocol in the Internet
- RFC 1981 Path MTU Discovery for IP version 6
- RFC 1997 BGP Communities Attribute
- RFC 1998 An Application of the BGP Community Attribute in Multi-home Routing
- RFC 2385 Protection of BGP Sessions via the TCP MD5 Signature Option
- RFC 2401 Security Architecture for the Internet Protocol
- RFC 2402 IP Authentication Header
- RFC 2406 IP Encapsulating Security Payload (ESP)
- RFC 2460 Internet Protocol, Version 6 (IPv6) Specification
- RFC 2545 Use of BGP-4 Multiprotocol Extensions for IPv6 Inter-Domain Routing
- RFC 2710 Multicast Listener Discovery (MLD) for IPv6
- RFC 2787 Definitions of Managed Objects for the Virtual Router Redundancy Protocol
- RFC 2918 Route Refresh Capability for BGP-4

Technical Specifications

- RFC 2934 Protocol Independent Multicast MIB for IPv4
- RFC 3137 OSPF Stub Router Advertisement
- RFC 3176 InMon Corporation's sFlow: A Method for Monitoring Traffic in Switched and Routed Networks
- RFC 3484: Default Address Selection for Internet Protocol version 6 (IPv6)
- RFC 3509 Alternative Implementations of OSPF Area Border Routers
- RFC 3623 Graceful OSPF Restart
- RFC 3810 Multicast Listener Discovery Version 2 (MLDv2) for IPv6
- RFC 4213 Basic Transition Mechanisms for IPv6 Hosts and Routers
- RFC 4251 The Secure Shell (SSH) Protocol
- RFC 4271 A Border Gateway Protocol 4 (BGP-4)
- RFC 4273 Definitions of Managed Objects for BGP-4
- RFC 4291 IP Version 6 Addressing Architecture
- RFC 4292 IP Forwarding Table MIB
- RFC 4293 Management Information Base for the Internet Protocol (IP)
- RFC 4360 BGP Extended Communities Attribute
- RFC 4486 Subcodes for BGP Cease Notification Message
- RFC 4552 Authentication/Confidentiality for OSPFv3
- RFC 4724 Graceful Restart Mechanism for BGP
- RFC 4760 Multiprotocol Extensions for BGP-4
- RFC 4940 IANA Considerations for OSPF
- RFC 5095: Deprecation of Type 0 Routing Headers in IPv6
- RFC 5187 OSPFv3 Graceful Restart
- RFC 5701 IPv6 Address Specific BGP Extended Community Attribute
- RFC 6987 OSPF Stub Router Advertisement
- RFC 7047 The Open vSwitch Database Management Protocol
- RFC 7059 A Comparison of IPv6-over-IPv4 Tunnel Mechanisms
- RFC 7313 Enhanced Route Refresh Capability for BGP-4
- RFC 8201 Path MTU Discovery for IP version 6

Aruba Data Center Networking Solution for HPE

New Aruba Data Center Networking Solution SKUs for HPE

Hewlett Packard Enterprise and Aruba offer customers highly differentiated pre-engineered IT infrastructure solutions that span a wide variety HPE compute, storage, networking that span virtualization, vSAN, HCI, HPC, MCS, Microsoft, SAP HANA, Vmware, Nutanix application and IaaS service offerings. Aruba 10/25 and 40/100G CX switches can be deployed as part of these solutions and is often designed into these integrated solutions along with HPE ProLiant DL/DX servers, SimpliVity, Nimble, Synergy, Cray Shasta, Cray ClusterStor, Superdome Flex and HPE GreenLake. These ready-to-deploy, integrated IT data center solutions help simplify and speed IT service delivery while reducing the time, risk, and expertise needed to deploy complex solutions.

To ensure that these Hewlett Packard Enterprise and Aruba integrated solutions receive simplified ordering and the highest-level of customer service and support, Aruba has created a special tracking Aruba Data Center networking SKUs for HPE deployments that identifies these integrated solutions to ensure they receive rapid support triage and streamlines escalation through HPE Pointnext. Please use these new tracking SKUs when Aruba CX switches are included in HPE integrated and mixed compute, storage and networking configuration and deployments, refer to this page for Aruba Switches qualification with Storage solutions: **https://spock.corp.int.hpe.com/spock/utility/document.aspx?docurl=Shared%20Documents/hw/switches/HPE_Aruba_Storage_Networking_Connectivity.pdf**

Notes: Current Aruba "J#" SKUs should still be used for all data center network centric (Aruba "only", Non HPE environments). Please contact your sales representative for additional information and ordering guidance.

Configuration Information

BTO Models

Rule #	AC Bundles Description	SKU
1, 2, 3, 4, 5, 6	Aruba 9300-32D 32xQSFP-DD 400G 2xSFP+10G Prt2Pwr Airflow 6Fans 2AC PSU Switch Bundle for HPE • Includes 2 FB Power Supplies (S1D05A) with no additional open PS slots, **Warning:** 200-225VAC use only • Includes 6 FB Fan Tray Bundles (S1D15A) with no additional open FT Slots • 2 Post Rack Kit included • Min=0 \ Max = 32 QSFP28/QSFP-DD 100/200/400G Transceivers • 1U - Height	S1D07A
	Aruba 9300-32D 32xQSFP-DD 400G 2xSFP+10G Prt2Pwr Airflow 6Fans 2AC PSU Switch Bundle for HPE • C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent)	S1D07A
	Aruba 9300-32D 32xQSFP-DD 400G 2xSFP+10G Prt2Pwr Airflow 6Fans 2AC PSU Switch Bundle for HPE • C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent)	S1D07A
	Aruba 9300-32D 32xQSFP-DD 400G 2xSFP+10G Prt2Pwr Airflow 6Fans 2AC PSU Switch Bundle for HPE • HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A)	S1D07A
	Aruba 9300-32D 32xQSFP-DD 400G 2xSFP+10G Prt2Pwr Airflow 6Fans 2AC PSU Switch Bundle for HPE • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	S1D07A
1, 2, 3, 4, 5, 6	Aruba 9300-32D 32xQSFP-DD 400G 2xSFP+10G Pwr2Prt Airflow 6Fans 2AC PSU Switch Bundle for HPE • Includes 2 BF Power Supplies (S1D06A) with no additional open PS slots, **Warning:** 200-225VAC use only • Includes 6 BF Fan Tray Bundles (S1D16A) with no additional open FT Slots • 2 Post Rack Kit included • Min=0 \ Max = 32 QSFP28/QSFP-DD 100/200/400G Transceivers • 1U - Height	S1D08A

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	Aruba 9300-32D 32xQSFP-DD 400G 2xSFP+10G Pwr2Prt Airflow 6Fans 2AC PSU Switch Bundle for HPE • C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent)	S1D08A
	Aruba 9300-32D 32xQSFP-DD 400G 2xSFP+10G Pwr2Prt Airflow 6Fans 2AC PSU Switch Bundle for HPE • C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent)	S1D08A
	Aruba 9300-32D 32xQSFP-DD 400G 2xSFP+10G Pwr2Prt Airflow 6Fans 2AC PSU Switch Bundle for HPE • HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A)	S1D08A
	Aruba 9300-32D 32xQSFP-DD 400G 2xSFP+10G Pwr2Prt Airflow 6Fans 2AC PSU Switch Bundle for HPE • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	S1D08A
	Configuration Rules	
Rule #	**Description**	
1	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	Aruba 400G QSFP-DD MPO-16 SR8 100m MMF Transceiver for HPE	S1D18A
	Aruba 400G QSFP-DD MPO-12 eDR4 2km SMF Transceiver for HPE	S1D19A
2	The following AOC's install into this Switch: (Use BTO only when adding to switch)	
	Aruba 400G QSFP-DD to QSFP-DD 3m Active Optical Cable for HPE	S1D20A
	Aruba 400G QSFP-DD to QSFP-DD 7m Active Optical Cable for HPE	S1D21A
	Aruba 400G QSFP-DD to QSFP-DD 15m Active Optical Cable for HPE	S1D22A
	Aruba 400G QSFP-DD to QSFP-DD 30m Active Optical Cable for HPE	S1D23A
	Aruba 400G QSFP-DD to QSFP-DD 50m Active Optical Cable for HPE	S1D24A
	Aruba 400G QSFP-DD to 2x QSFP28 100G 3m Active Optical Cable for HPE	S1D25A
	Aruba 400G QSFP-DD to 2x QSFP28 100G 7m Active Optical Cable for HPE	S1D26A
	Aruba 400G QSFP-DD to 2x QSFP28 100G 15m Active Optical Cable for HPE	S1D27A
	Aruba 400G QSFP-DD to 2x QSFP28 100G 30m Active Optical Cable for HPE	S1D28A
	Aruba 400G QSFP-DD to 2x QSFP28 100G 50m Active Optical Cable for HPE	S1D29A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 3m Active Optical Cable for HPE	S1D30A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 7m Active Optical Cable for HPE	S1D31A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 15m Active Optical Cable for HPE	S1D32A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 30m Active Optical Cable for HPE	S1D33A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 50m Active Optical Cable for HPE	S1D34A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 3m Active Optical Cable for HPE	S1D35A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 7m Active Optical Cable for HPE	S1D36A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 15m Active Optical Cable for HPE	S1D37A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 30m Active Optical Cable for HPE	S1D38A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 50m Active Optical Cable for HPE	S1D39A
3	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	Aruba 100G QSFP28 MPO SR4 MMF Transceiver for HPE	R9F75A
	Aruba 100G QSFP28 LC FR1 SMF 2km Transceiver for HPE	S1D17A
	Aruba 100G QSFP28 LC LR4 10km SMF 2-strand Transceiver	JL310A
	Aruba 100G QSFP28 LC ER4L 40km SMF Transceiver	JL743A
	HPE 100Gb QSFP28 Bidirectional Transceiver	845972-B21
	Aruba 100G QSFP28 to QSFP28 2m Active Optical Cable for HPE	R9F76A
	Aruba 100G QSFP28 to QSFP28 7m Active Optical Cable for HPE	R9F79A
	Aruba 100G QSFP28 to QSFP28 15m Active Optical Cable for HPE	R9F80A
	Aruba 100G QSFP28 to QSFP28 30m Active Optical Cable for HPE	R9F81A
4	Localization required on orders without B2B, B2C, B2E or AC3 options.	
5	Unbuildable/FAN required, generates CFGU: If order is quoted for India and contains "#B2C" Option, then Display the following:	

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- For BTO shipments to India: Please replace <Base Model>#B2C option with <Base Model>#AC3 in the Bill of Materials and add the appropriate INDIA PDU Power Cord below via Ad-Hoc:

HPE 2.0m C13 to C14 PDU India Power Cord	JL671A
HPE 2.5m C15 to C14 PDU India Power Cord	JL672A
HPE 2.5m C19 to C20 PDU India Power Cord	JL673A

- For Factory Integration of Power Cord, please add "#0D1" to the Power Cord Sku suffix. (Ex. JL671A#0D1)

6 The following Transceivers install into this Switch: (Use BTO only when adding to switch)

Aruba 40G QSFP+ MPO SR4 Transceiver for HPE	R9F97A
Aruba 40G QSFP+ MPO eSR4 300M Transceiver for HPE	R9F98A
Aruba 40G QSFP+ LC Bidirectional 150m MMF 2-strand Transceiver for HPE	R9G02A
HPE X142 40G QSFP+ LC LR4 SM Transceiver	JH232A
Aruba 40G QSFP+ LC ER4 40km SMF Transceiver	Q9G82A
Aruba 40G QSFP+ to QSFP+ 7m Active Optical Cable for HPE	R9G03A
Aruba 40G QSFP+ to QSFP+ 15m Active Optical Cable for HPE	R9G04A
Aruba 40G QSFP+ to QSFP+ 30m Active Optical Cable for HPE	R9G05A

Notes:

- Drop down under power supply should offer the following options and results:
  - Switch/Router/Power Supply to PDU Power Cord - B2B in North America, Mexico, Taiwan, and Japan or B2C ROW. (OCA Default B2B or B2C for Rack Level CTO)
  - Switch/Router/Power Supply to Wall Power Cord - Localized Option (OCA Default for BTO and Box Level CTO)
  - High Volt Switch/Router/Power Supply to Wall Power Cord - B2E Option. (Offered only in North America, Mexico, Taiwan, and Japan)
  - No Power Cord - AC3 Option
- Locking Power Cord (J9955A) L6-20P is available through the OCA Accessories tab
- OCA Only Model Selection Form – HPE Offering > Aruba > DC Solutions Switches for HPE > AOS-CX: Aruba 9300 DC Switch Series

Rack Level Integration CTO Models

AC Bundles

Rule #	Description	SKU
1, 2, 3, 4, 5, 6, 7	Aruba 9300-32D 32xQSFP-DD 400G 2xSFP+10G Prt2Pwr Airflow 6Fans 2AC PSU Switch Bundle for HPE • Includes 2 FB Power Supplies (S1D05A) with no additional open PS slots, **Warning:** 200-225VAC use only • Includes 6 FB Fan Tray Bundles (S1D15A) with no additional open FT Slots • 2 Post Rack Kit included, must select 4 Post Rack Kit • Min=0 \ Max = 32 QSFP28/QSFP-DD 100/200/400G Transceivers • 1U - Height	S1D07A
	Aruba 9300-32D 32xQSFP-DD 400G 2xSFP+10G Prt2Pwr Airflow 6Fans 2AC PSU Switch Bundle for HPE • C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent)	S1D07A
	Aruba 9300-32D 32xQSFP-DD 400G 2xSFP+10G Prt2Pwr Airflow 6Fans 2AC PSU Switch Bundle for HPE • C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent)	S1D07A
	Aruba 9300-32D 32xQSFP-DD 400G 2xSFP+10G Prt2Pwr Airflow 6Fans 2AC PSU Switch Bundle for HPE • HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A)	S1D07A
	Aruba 9300-32D 32xQSFP-DD 400G 2xSFP+10G Prt2Pwr Airflow 6Fans 2AC PSU Switch Bundle for HPE • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	S1D07A

Aruba Data Center Networking Solution for HPE

1, 2, 3, 4, 5, 6, 7	Aruba 9300-32D 32xQSFP-DD 400G 2xSFP+10G Pwr2Prt Airflow 6Fans 2AC PSU Switch Bundle for HPE • Includes 2 BF Power Supplies (S1D06A) with no additional open PS slots, **Warning:** 200-225VAC use only • Includes 6 BF Fan Tray Bundles (S1D16A) with no additional open FT Slots • 2 Post Rack Kit included, must select 4 Post Rack Kit • Min=0 \ Max = 32 QSFP28/QSFP-DD 100/200/400G Transceivers • 1U - Height	S1D08A
	Aruba 9300-32D 32xQSFP-DD 400G 2xSFP+10G Pwr2Prt Airflow 6Fans 2AC PSU Switch Bundle for HPE – C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent)	S1D08A
	Aruba 9300-32D 32xQSFP-DD 400G 2xSFP+10G Pwr2Prt Airflow 6Fans 2AC PSU Switch Bundle for HPE – C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent)	S1D08A
	Aruba 9300-32D 32xQSFP-DD 400G 2xSFP+10G Pwr2Prt Airflow 6Fans 2AC PSU Switch Bundle for HPE – HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A)	S1D08A
	Aruba 9300-32D 32xQSFP-DD 400G 2xSFP+10G Pwr2Prt Airflow 6Fans 2AC PSU Switch Bundle for HPE – No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	S1D08A
	Configuration Rules	
Rule #	**Description**	
1	The following Transceivers install into this Switch: (Use 0D1 or B01 quoted to switch if switch is CTO) - if applicable:	
	Aruba 400G QSFP-DD MPO-16 SR8 100m MMF Transceiver for HPE	S1D18A
	Aruba 400G QSFP-DD MPO-12 eDR4 2km SMF Transceiver for HPE	S1D19A
2	The following AOCs install into this Switch: (Use 0D1 or B01 quoted to switch if switch is CTO) - if applicable:	
	Aruba 400G QSFP-DD to QSFP-DD 3m Active Optical Cable for HPE	S1D20A
	Aruba 400G QSFP-DD to QSFP-DD 7m Active Optical Cable for HPE	S1D21A
	Aruba 400G QSFP-DD to QSFP-DD 15m Active Optical Cable for HPE	S1D22A
	Aruba 400G QSFP-DD to QSFP-DD 30m Active Optical Cable for HPE	S1D23A
	Aruba 400G QSFP-DD to QSFP-DD 50m Active Optical Cable for HPE	S1D24A
	Aruba 400G QSFP-DD to 2x QSFP28 100G 3m Active Optical Cable for HPE	S1D25A
	Aruba 400G QSFP-DD to 2x QSFP28 100G 7m Active Optical Cable for HPE	S1D26A
	Aruba 400G QSFP-DD to 2x QSFP28 100G 15m Active Optical Cable for HPE	S1D27A
	Aruba 400G QSFP-DD to 2x QSFP28 100G 30m Active Optical Cable for HPE	S1D28A
	Aruba 400G QSFP-DD to 2x QSFP28 100G 50m Active Optical Cable for HPE	S1D29A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 3m Active Optical Cable for HPE	S1D30A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 7m Active Optical Cable for HPE	S1D31A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 15m Active Optical Cable for HPE	S1D32A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 30m Active Optical Cable for HPE	S1D33A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 50m Active Optical Cable for HPE	S1D34A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 3m Active Optical Cable for HPE	S1D35A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 7m Active Optical Cable for HPE	S1D36A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 15m Active Optical Cable for HPE	S1D37A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 30m Active Optical Cable for HPE	S1D38A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 50m Active Optical Cable for HPE	S1D39A
3	The following Transceivers install into this Switch: (Use 0D1 or B01 quoted to switch if switch is CTO) - if applicable:	
	Aruba 100G QSFP28 MPO SR4 MMF Transceiver for HPE	R9F75A
	Aruba 100G QSFP28 LC FR1 SMF 2km Transceiver for HPE	S1D17A
	Aruba 100G QSFP28 LC LR4 10km SMF 2-strand Transceiver	JL310A

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	Aruba 100G QSFP28 LC ER4L 40km SMF Transceiver	JL743A
	HPE 100Gb QSFP28 Bidirectional Transceiver	845972-B21
	Aruba 100G QSFP28 to QSFP28 2m Active Optical Cable for HPE	R9F76A
	Aruba 100G QSFP28 to QSFP28 7m Active Optical Cable for HPE	R9F79A
	Aruba 100G QSFP28 to QSFP28 15m Active Optical Cable for HPE	R9F80A
	Aruba 100G QSFP28 to QSFP28 30m Active Optical Cable for HPE	R9F81A
4	OCA Only: • Required Custom Choice (Min1/Max1) • Switch/Router/Power Supply to PDU Power Cord - B2B in North America, Mexico, Taiwan, and Japan or B2C ROW. (OCA Default B2B or B2C for Rack Level CTO) • Switch/Router/Power Supply to Wall Power Cord - Localized Option (OCA Default for BTO) High Volt Switch/Router/Power Supply to Wall Power Cord - B2E Option. (Offered only in North America, Mexico, Taiwan, and Japan) • No Power Cord - AC3 Option	
5	If the CTO Switch Chassis needs to be racked, Then the CTO Base Model needs to integrate (with 0D1) to the HPE Network Rack.	
6	Unbuildable/FAN required, generates CFGU: If order is quoted for India and contains "#B2C" Option, then Display the following: – For BTO shipments to India: Please replace <Base Model>#B2C option with <Base Model>#AC3 in the Bill of Materials and add the appropriate INDIA PDU Power Cord below via Ad-Hoc:	
	HPE 2.0m C13 to C14 PDU India Power Cord	JL671A
	HPE 2.5m C15 to C14 PDU India Power Cord	JL672A
	HPE 2.5m C19 to C20 PDU India Power Cord	JL673A
	– For Factory Integration of Power Cord, please add "#0D1" to the Power Cord Sku suffix. (Ex. JL671A#0D1)	
7	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	Aruba 40G QSFP+ MPO SR4 Transceiver for HPE	R9F97A
	Aruba 40G QSFP+ MPO eSR4 300M Transceiver for HPE	R9F98A
	Aruba 40G QSFP+ LC Bidirectional 150m MMF 2-strand Transceiver for HPE	R9G02A
	HPE X142 40G QSFP+ LC LR4 SM Transceiver	JH232A
	Aruba 40G QSFP+ LC ER4 40km SMF Transceiver	Q9G82A
	Aruba 40G QSFP+ to QSFP+ 7m Active Optical Cable for HPE	R9G03A
	Aruba 40G QSFP+ to QSFP+ 15m Active Optical Cable for HPE	R9G04A
	Aruba 40G QSFP+ to QSFP+ 30m Active Optical Cable for HPE	R9G05A

Notes: Locking Power Cord (J9955A) L6-20P is available through the OCA Accessories tab

Transceivers

QSFP+ Transceivers

HPE X142 40G QSFP+ MPO SR4 Transceiver	JH231A
HPE X142 40G QSFP+ MPO eSR4 300M Transceiver	JH233A
Aruba 40G QSFP+ LC Bidirectional 150m MMF 2-strand Transceiver	JL308A
HPE X142 40G QSFP+ LC LR4 SM Transceiver	JH232A
Aruba 40G QSFP+ LC ER4 40km SMF Transceiver	Q9G82A
Aruba 40G QSFP+ to QSFP+ 7m Active Optical Cable	R0Z22A
Aruba 40G QSFP+ to QSFP+ 15m Active Optical Cable	R0Z23A
Aruba 40G QSFP+ to QSFP+ 30m Active Optical Cable	R0Z24A

QSFP28 Transceivers

Aruba 100G QSFP28 MPO SR4 100m 12-fiber MPO OM3 MMF Transceiver	JL309A
Aruba 100G QSFP28 LC FR1 SMF 2km Transceiver	R9B63A
Aruba 100G QSFP28 LC CWDM4 2km SMF Transceiver	R0Z30A
Aruba 100G QSFP28 LC LR4 10km SMF 2-strand Transceiver	JL310A
Aruba 100G QSFP28 LC ER4L 40km SMF Transceiver	JL743A
Aruba 100G QSFP28 to QSFP28 2m Active Optical Cable	JL856A

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	Aruba 100G QSFP28 to QSFP28 7m Active Optical Cable	R0Z27A
	Aruba 100G QSFP28 to QSFP28 15m Active Optical Cable	R0Z28A
	Aruba 100G QSFP28 to QSFP28 30m Active Optical Cable	R0Z29A
	QSFP-DD Transceivers	
Rule #	**Description**	**SKU**
	Aruba 400G QSFP-DD MPO-16 SR8 100m MMF Transceiver for HPE	S1D18A
	Aruba 400G QSFP-DD MPO-12 eDR4 2km SMF Transceiver for HPE	S1D19A
	QSFP-DD AOC	
Rule #	**Description**	**SKU**
	Aruba 400G QSFP-DD to QSFP-DD 3m Active Optical Cable for HPE	S1D20A
	Aruba 400G QSFP-DD to QSFP-DD 7m Active Optical Cable for HPE	S1D21A
	Aruba 400G QSFP-DD to QSFP-DD 15m Active Optical Cable for HPE	S1D22A
	Aruba 400G QSFP-DD to QSFP-DD 30m Active Optical Cable for HPE	S1D23A
	Aruba 400G QSFP-DD to QSFP-DD 50m Active Optical Cable for HPE	S1D24A
	Aruba 400G QSFP-DD to 2x QSFP28 100G 3m Active Optical Cable for HPE	S1D25A
	Aruba 400G QSFP-DD to 2x QSFP28 100G 7m Active Optical Cable for HPE	S1D26A
	Aruba 400G QSFP-DD to 2x QSFP28 100G 15m Active Optical Cable for HPE	S1D27A
	Aruba 400G QSFP-DD to 2x QSFP28 100G 30m Active Optical Cable for HPE	S1D28A
	Aruba 400G QSFP-DD to 2x QSFP28 100G 50m Active Optical Cable for HPE	S1D29A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 3m Active Optical Cable for HPE	S1D30A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 7m Active Optical Cable for HPE	S1D31A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 15m Active Optical Cable for HPE	S1D32A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 30m Active Optical Cable for HPE	S1D33A
	Aruba 400G QSFP-DD to 2x QSFP56 200G 50m Active Optical Cable for HPE	S1D34A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 3m Active Optical Cable for HPE	S1D35A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 7m Active Optical Cable for HPE	S1D36A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 15m Active Optical Cable for HPE	S1D37A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 30m Active Optical Cable for HPE	S1D38A
	Aruba 400G QSFP-DD to 4x QSFP56 100G 50m Active Optical Cable for HPE	S1D39A
Notes:	Only the QSFP-DD end of the AOC to the 9300 Switch is supported	

Switch Options

Rack Mount Kits

For 9300 DC System (std 0 // max 1) User Selection (min 0 // max 1) per enclosure

Rule #	**Description**	**SKU**
	Aruba X474 4-post Rack Kit	JL483C
	– Default qty 1	
Notes:	If the switch will be factory racked into an HPE Universal Rack, then (Min 1) of the 4 Post Rack Mount kit is required.	

India PDU Cable

For 9300 DC System (std 0 // max 1) User Selection (min 0 // max 1) per enclosure

Rule #	**Description**	**SKU**
	HPE 2.0m C13 to C14 PDU India Power Cord	JL671A
	– C13 India PDU Cable for Factory Racked Systems Only	
Notes:	This cable is intended for India use only. Typically power cord is ordered when power supply option #AC3 is selected.	

Aruba Data Center Networking Solution for HPE

Accessories

Spare Items

Rule #	Description	SKU
1, 2	Aruba 9300 1500W 100-240VAC Port to Power Airflow Power Supply Unit for HPE	S1D05A
	– includes 1 x c13, 1500w	
	Aruba 9300 1500W 100-240VAC Port to Power Airflow Power Supply Unit for HPE	S1D05A
	– C13 PDU Jumper Cord (NA/MEX/TW/JP) (JL697A)	
	Aruba 9300 1500W 100-240VAC Port to Power Airflow Power Supply Unit for HPE	S1D05A
	– C13 PDU Jumper Cord (ROW) (JL697A)	
	Aruba 9300 1500W 100-240VAC Port to Power Airflow Power Supply Unit for HPE	S1D05A
	– HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A)	
	Aruba 9300 1500W 100-240VAC Port to Power Airflow Power Supply Unit for HPE	S1D05A
	– No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	
1, 2	Aruba 9300 1500W 100-240VAC Power to Port Airflow Power Supply Unit for HPE	S1D06A
	– includes 1 x c13, 1500w	
	Aruba 9300 1500W 100-240VAC Power to Port Airflow Power Supply Unit for HPE	S1D06A
	– C13 PDU Jumper Cord (NA/MEX/TW/JP) (JL697A)	
	Aruba 9300 1500W 100-240VAC Power to Port Airflow Power Supply Unit for HPE	S1D06A
	– C13 PDU Jumper Cord (ROW) (JL697A)	
	Aruba 9300 1500W 100-240VAC Power to Port Airflow Power Supply Unit for HPE	S1D06A
	– HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A)	
	Aruba 9300 1500W 100-240VAC Power to Port Airflow Power Supply Unit for HPE	S1D06A
	– No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	
	Aruba 9300 Port to Power Fan for HPE	S1D15A
	Aruba 9300 Power to Port Fan for HPE	S1D16A
	Aruba X472 2-post Rack Kit	JL482C
	Aruba X474 4-post Rack Kit	JL483C

Configuration Rules

Rule #	Description	
1	Localization required on orders without B2B, B2C, B2E or AC3 options.	
2	Unbuildable/FAN required, generates CFGU: If order is quoted for India and contains "#B2C" Option, then Display the following:	
	– For BTO shipments to India: Please replace <Base Model>#B2C option with <Base Model>#AC3 in the Bill of Materials and add the appropriate INDIA PDU Power Cord below via Ad-Hoc:	
	HPE 2.0m C13 to C14 PDU India Power Cord	JL671A
	HPE 2.5m C15 to C14 PDU India Power Cord	JL672A
	HPE 2.5m C19 to C20 PDU India Power Cord	JL673A
	– For Factory Integration of Power Cord, please add "#0D1" to the Power Cord Sku suffix. (Ex. JL671A#0D1)	

Notes:

- Drop down under power supply should offer the following options and results:
  - Switch/Router/Power Supply to PDU Power Cord - #B2B in North America, Mexico, Taiwan, and Japan or #B2C ROW. (OCA Default B2B or B2C for Rack Level CTO)
  - Switch/Router/Power Supply to Wall Power Cord - Localized Option (OCA Default for BTO)
    High Volt Switch/Router/Power Supply to Wall Power Cord - #B2E Option. (Offered only in North America, Mexico, Taiwan, and Japan)
  - No Power Cord - #AC3 Option
- OCA Display Notes: Locking Power Cord (J9955A) L6-20P is available in the Accessories tab

OCA Display Notes: 2 Power Supplies and 6 Fan Trays are included with the Switch Bundle

Summary of Changes

Date	Version History	Action	Description of Change
14-Aug-2023	Version 9	Changed	Configuration Information section was updated.
10-Jul-2023	Version 8	Changed	Configuration Information section was updated.
15-May-2023	Version 7	Changed	Configuration Information section was updated.
13-Mar-2023	Version 6	Changed	Configuration Information and Aruba Data Center Networking Solution for HPE sections were updated.
06-Feb-2023	Version 5	Changed	Configuration Information and Aruba Data Center Networking Solution for HPE sections were updated.
05-Dec-2022	Version 4	Changed	Configuration Information section was updated and new SKUs were added.
07-Nov-2022	Version 3	Changed	Overview, Standard Features, Configuration Information and Technical Specifications sections were updated.
03-Oct-2022	Version 2	Changed	Overview, Standard Features, Configuration Information and Technical Specifications sections were updated.
01-Aug-2022	Version 1	New	New QuickSpecs

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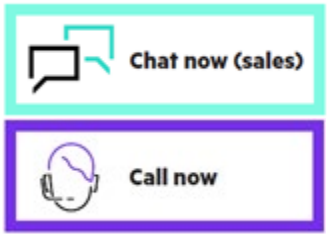

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