

Overview

HPE Aruba Networking CX 10000 Switch Series

Deploy software-defined stateful services where data is processed

The HPE Aruba Networking CX 10000 Switch Series helps network and security administrators distribute intelligence to the data center network-server edge, overcoming legacy network and security design limitations that often require overly complex, highly inefficient, and costly architecture designed to address decades old requirement.

It combines the best-of-breed network operating system, HPE Aruba Networking CX, for data center, campus, and edge in addition to the fully programmable data processing unit (DPU).

This allows the DPU-enabled CX 10000 and CX 10040 switches to deliver stateful software-defined services inline, at scale, with wire-rate performance and orders of magnitude scale and performance improvements over traditional L2/L3 switches at a fraction of their total cost of ownership (TCO).

The switches allows operators to extend industry-standard leaf-spine networking with distributed stateful segmentation, east-west firewalling, NAT, encryption, and telemetry services — all delivered inline, all the time, on every access port, closer to where critical enterprise applications run.

The switches' distributed services architecture is agnostic of network deployment architecture. This allows the flexibility to enable stateful services delivery, when deployed as access, leaf top of rack (ToR), or end of row (EoR) in a data center, and potentially in the aggregation layer in campus or edge data center designs.

HPE Aruba Networking CX 10000 Switch

HPE Aruba Networking CX 10000 delivers a flexible and innovative approach to address the security performance, agility, and scalability demands of both traditional enterprise data centers and emerging distributed, edge, and colocated centers of data. CX 10000 offer 3.2 Tbps of switching capacity with interface configurations supporting 1/10/25GbE (SFP/SFP+/SFP28) and 40/100GbE (QSFP+/QSFP28) connectivity, in a compact 1U form factor. Consequently, it offers a fantastic investment for customers migrating from older 1GbE/10GbE to faster 25GbE, or from 10GbE/40GbE to 100GbE ports.

HPE Aruba Networking CX 10040 Switch

HPE Aruba Networking CX 10040 built on the foundation of the CX 10000 Series, elevates the network fabric to new heights. By delivering double the performance at scale, deeply integrated, near line-rate security, real-time operational insights, and automation-ready simplicity critical for powering the next generation of cloud, AI-driven services, and digital infrastructure.

HPE Aruba Networking CX 10040 offer 8 Tbps of switching capacity with interface configurations supporting 32x100G, 6x400G connectivity, in a compact 2U form factor supporting east-west traffic demands and accelerating application performance. The switch includes 1.6 Tbps of L4 stateful inspection natively integrated, 4.8 Tbps encryption engine to support MACsec, flexibly assignable to ports, securing traffic without compromising speed or scalability. The switch has built-in hardware support for PTP Boundary Clock1 capabilities and is uniquely positioned to serve the next wave of precision-driven digital infrastructure. CX 10040 is also NEBS ready, suitable for telecom or service providers deployments.

Notes: Hardware capable, software support in future release

Overview



HPE Aruba Networking CX 10000 and 10040 Switch Series



Standard Features

HPE Aruba Networking CX Operating System—a modern software system

The switch is based on the CX Operating System, 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 past trends analysis. This helps predict and avoid future problems due to scale, security, and performance bottlenecks.

Every CX switch includes HPE Aruba Networking CX Switch Operating System at no cost and with an active, perpetual set of native features that has everything needed to deploy, connect, and troubleshoot an enterprise network, including:

- HPE Aruba Networking CX 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 HPE Aruba Networking Switch Multi-Edit Software

The switch requires an additional HPE Aruba Networking Central Advanced license to extend the HPE Aruba Networking Central Foundational network features with distributed, accelerated stateful firewall, pervasive telemetry services, and container infrastructure.

The switch can further be upgraded with the HPE Aruba Networking CX Premium Feature Pack that includes all HPE Aruba Networking Central Advanced Feature Pack functionality plus IPSec VPN encryption, NAT, and additional network and security services at a future date.

An HPE Aruba Networking Central Advanced license expands these capabilities with premium security and AIOps, including the HPE Aruba Networking Central NetConductor Fabric Wizard and global policy manager to enable dynamic segmentation and distributed enforcement at a global scale.

Distributed Stateful Services

Embedded natively in the switch, the HPE Aruba Networking CX Switch Operating System is an industry unique, inline stateful software service, enabled through the AMD Pensando programmable DPU, delivered at scale with wire-rate performance. The services include stateful firewalling and secure segmentation, distributed denial of service (DDoS) protection, deep flow-based session-level telemetry with logging, enabled natively in the fabric switching infrastructure without requiring host-based agents or dedicated appliances.

Operational benefits include:

- Overcoming the design, performance, and cost limitations of software only and dedicated appliances—protecting the unprotected assets in your data center
- Improving security posture, limiting appliance sprawl
- Extending Zero Trust segmentation deeper into the data center for any type of host
- Delivering isolation and multitenancy for virtualized, bare-metal, or containerized workloads
- Optimizing network traffic flows, bandwidth, and performance, which reduces operational complexity associated with service stitching
- Overcoming centralized networking service layer chokepoints, which reduces downtime
- Simplifying operations through unified network and security automation and management with HPE Aruba Networking Fabric Composer
- Addressing deployments where security agents can't be deployed into servers
- Accelerating infrastructure service provisioning



Standard Features

- Lowering CapEx/OpEx expenditure on security and services

Managing the Solution

HPE Aruba Networking Fabric Composer

HPE Aruba Networking Fabric Composer is an intelligent, API-driven, software-defined orchestration solution that simplifies and accelerates leaf-spine fabric provisioning and day-to-day operations across rack-scale compute and storage infrastructure. HPE Aruba Networking Fabric Composer supports deep IT ecosystem integrations, enables seamless configuration and operational experience, and is easy to manage, provision, and visualize the entire end-to-end network.

Fabric Composer is designed to work with HPE Aruba Networking CX switches and is optimized for HPE data center products and tools such as HPE SimpliVity, HPE iLO and Pensando Distributed Services Platform.

Unified Security Policy Configuration

Ease of Deployment

Beyond traditional Zero Touch deployment approaches, which require significant up-front work, AFC user-friendly, guided wizards provide turnkey workflows that walk customers through the fabric deployment process, radically simplifying operations. AFC is agnostic of topology and can equally support standards based VXLAN EVPN fabric as well as traditional VSX deployments seamlessly. Any complexity of deploying the fabric is hidden, ensuring that network operators don't need to understand the specific protocols and commands in AOS-CX in order to deploy best practice architectures.

Service Orchestration

The operational benefits of AFC also extend to services because now, with the CX10000, you can orchestrate provisioning and securing tenants on the fabric in a simplified wizard driven workflow. This is enabled through an integration with Pensando Policy and Services Manager. The solution allows SecOps and NetOps teams to accelerate application rollouts, while ensuring strict compliance and secure segmentation requirements are met. From rapid and error-free fabric deployment to automation and security, we are truly delivering a cloud-like experience to our customers with AFC and Pensando across virtualized, bare-metal, and containerized deployments.

Easy Integration

The event driven automation engine within AFC (StackStorm) supports Integration Packs that are easily installed and offer integrations with VMware Cloud Foundation, vCenter, vSAN, Nutanix, HPE SimpliVity, and HPE iLo Amplifier. Integrations allow customers to enjoy the benefits of automated fabric provisioning, event-based workflow automations, end-to-end network and host visibility, and automatic storage traffic optimization.

Pervasive Visibility

Network and virtualization admins have complete, end-to-end network visibility of connectivity of hosts, virtual machines, VLANs, services, and workloads to simplify troubleshooting of connectivity and performance problems. Automatically detect and dynamically solve network issues before your business is impacted. Integration with Pensando provides not just visibility into the network and compute, but also extends to services allowing customers to utilize flow logging, to understand communication patterns in the data center, and to more accurately segment and firewall application tiers, workloads, and services.

Product Capabilities

Performance

HPE Aruba Networking CX 10000

High-speed fully distributed architecture

- Provides 3.2 Tbps for bidirectional switching and 2000 Mpps for forwarding; all switching and routing are wire-speed to meet the demands of bandwidth-intensive applications today and in the future
- 800G of stateful services performance through dual AMD Pensando DPUs



Standard Features

HPE Aruba Networking CX 10040

High-speed fully distributed architecture

- Provides 8 Tbps for bidirectional switching; all switching and routing are wire-speed to meet the demands of bandwidth-intensive applications today and in the future
- 1.6 Tbps of stateful services performance through four AMD Pensando DPUs

Scalable system design

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

Connectivity

HPE Aruba Networking CX 10000

High-density port options

- -Compact, high port density 1U switch with airflow direction flexibility includes a model with 48 ports of 1GbE/10GbE/25GbE (SFP/SFP+/SFP28) (1GBASE-T and 10GBASE-T transceiver support) + 6 ports of 40GbE/100GbE (QSFP+/QSFP28) (optional 4x10 and 4x25

HPE Aruba Networking CX 10040

High-density port options

- Compact, high port density 2U switch with high Speed Interfaces (400G/200G/100G) including 50G/40G/25G/10G/1G. 32 ports 100GbE QSFP, 6x400GbE QSFP-DD, 2x10GbE SFP+. breakout)

Jumbo frames

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

Unsupported Transceiver Mode (UTM)

- Allows ability to insert and enable unsupported up to 400G transceiver and cable
- No warranty nor support for the transceiver/cable when used

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)

Enables 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



Standard Features

Dynamic pool configuration

Enables lossless pool configuration without switch reboot

Storage solution support

iSCSI, lossless iSCSI, RDMA over Converged Ethernet version 2 (RoCE v1 and v2) and nonvolatile memory express over fabrics (NVMe-oF)

Resiliency and high availability

Redundant and load-sharing fans and power supplies

- N+1 fans and power supplies provide redundancy

Hot swappable power supply and fan modules

- Allows replacement of accessory modules without operationally impacting other modules or switch operations

Separate data and control paths

- Separates control from services to keep service processing isolated and increases security and performance

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 up each other to create highly available routed environments

Bidirectional Forward Detection (BFD)

- Enables 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 54 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 CX Mobile App, NetEdit and Network Analytics Engine, CX 10000 Switch Series offers the following capabilities

REST API

- Built-in programmable and easy to use

Management Interface Control

- Enables or disables the console port or reset button, depending on security preferences

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



Standard Features

- Provides SNMP access with ACLs
- Local and remote Syslog capabilities allow access logging

IPSLA

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

SNMP v2c/v3

- Provides SNMP read and trap support of industry standard Management Information Base (MIB) and private extensions

sFlow® (RFC 3176)

- Provides scalable ASIC-based wire speed network monitoring and accounting with no impact on network performance, allowing 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 trace route 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 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 4,018 port-based or IEEE 802.1Q-based user configurable VLANs

VLAN Translation

- Remaps VLANs during transit across a core network



Standard Features

Bridge Protocol Data Unit (BPDU)

- 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

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

Ipv4 Multicast in VXLAN/EVPN Overlay

- Enables 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

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 and 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

Dynamic Host Configuration Protocol (DHCP)

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



Standard Features

DHCP Server

- Supports DHCP services (for IPv4 and IPv6) in customer networks
- DHCP Smart Relay

Domain Name System (DNS)

- Provides a distributed database that translates domain names and IP addresses, which simplifies network design.
- Supports client and server

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

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

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



Standard Features

IP sub-interface

- Enables IP sub-interface for ingress & egress ACL/Policies, routing, VSX-keep alive

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
- 32 way ECMP

Generic Routing Encapsulation (GRE)

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

Security

TAA and FIPS 140-2 Compliance

- HPE Aruba Networking CX 10000 Switch Series with AOS-CX, a 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 creating object groups representing sets of devices
- Protects control plane services such as SSH, SNMP, NTP or web servers

Dynamic policy refresh

- Enforce policy changes immediately to terminate malicious flows

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

RadSec

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



Standard Features

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
- TACACS+ can also provide user authorization services
- Secure port access - 802.1x, Mac-auth, LUR, DUR, Port-Access Policy, Static Port Filtering

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)

- Enables discovery of IPv6 multicast listeners
- Supports MLDv1 and v2

PIM Multicast Boundary (v4)

- HPE Aruba Networking Virtual Switching Extension graceful shutdown for IGMP/MLD Multicast NSF

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

- Avoids SA messages flooding 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, which 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.

Support for Microsoft **Network Load Balancer** (NLB) for server applications.

Microsoft Network Load Balancer (NLB)

- Supports server applications

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
- Supports PIM Sparse Mode (PIM-SM, IPv4 and IPv6)



Standard Features

Additional information

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

Customer first, customer last support

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

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

Pro Care adds fast access to senior 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 Foundation Care and Pro Care, please visit:

<https://www.hpe.com/us/en/networking/hpe-aruba-networking-support-services.html>

Warranty, services and support Limited 1 Year Warranty

See Support Center for warranty and support information included with your product purchase.

Reference the following web pages for more detailed information—HPE Aruba Networking CX Switch Operating System software releases and features:

- **[HPE Aruba Networking CX Switch Operating System software documentation portal](#)**
 - **[HPE Aruba Networking Switch Feature Navigator](#)**
 - For support and services information, **[visit HPE Aruba Networking Support Services](#)**
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Configuration Information

BTO Models

Rule #	Description	SKU
	10000 Switch Bundles	
1, 2, 3, 4, 5, 6, 7, 8	HPE Aruba Networking CX 10000-48Y6C Distributed Services Front-to-Back 6 Fans 2 PSU Switch Bdl	R8P13A
	<ul style="list-style-type: none"> Includes 2 FB (Port to Power) Power Supplies (R8R51A) with no additional open PS slots Includes 6 FB (Port to Power) Fan Tray Bundles (R8R53A) with no additional open FT Slots Must select a Rack Kit Min=0 \ Max= 48 SFP/SFP+/SFP28 1/10/25G Transceivers Min=0 \ Max = 6 QSFP+/QSFP28 40/100G Transceivers 1U - Height 	
	HPE Aruba Networking CX 10000-48Y6C Distributed Services Front-to-Back 6 Fans 2 PSU Switch Bdl	R8P13A
	<ul style="list-style-type: none"> C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent) 	
	HPE Aruba Networking CX 10000-48Y6C Distributed Services Front-to-Back 6 Fans 2 PSU Switch Bdl	R8P13A
	<ul style="list-style-type: none"> C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent) 	
	HPE Aruba Networking CX 10000-48Y6C Distributed Services Front-to-Back 6 Fans 2 PSU Switch Bdl	R8P13A
	<ul style="list-style-type: none"> HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A) 	
	HPE Aruba Networking CX 10000-48Y6C Distributed Services Front-to-Back 6 Fans 2 PSU Switch Bdl	R8P13A
	<ul style="list-style-type: none"> No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P) 	
1, 2, 3, 4, 5, 6, 7, 8	HPE Aruba Networking CX 10000-48Y6C Distributed Services Back-to-Front 6 Fans 2 PSU Switch Bdl	R8P14A
	<ul style="list-style-type: none"> Includes 2 BF(Power to Port) Power Supplies (R8R52A) with no additional open PS slots Includes 6 BF(Power to Port) Fan Tray Bundles (R8R54A) with no additional open FT Slots Must select a Rack Kit Min=0 \ Max= 48 SFP/SFP+/SFP28 1/10/25G Transceivers Min=0 \ Max = 6 QSFP+/QSFP28 40/100G Transceivers 1U - Height 	
	HPE Aruba Networking CX 10000-48Y6C Distributed Services Back-to-Front 6 Fans 2 PSU Switch Bdl	R8P14A
	<ul style="list-style-type: none"> C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent) 	
	HPE Aruba Networking CX 10000-48Y6C Distributed Services Back-to-Front 6 Fans 2 PSU Switch Bdl	R8P14A
	<ul style="list-style-type: none"> C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent) 	
	HPE Aruba Networking CX 10000-48Y6C Distributed Services Back-to-Front 6 Fans 2 PSU Switch Bdl	R8P14A
	<ul style="list-style-type: none"> HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A) 	
	HPE Aruba Networking CX 10000-48Y6C Distributed Services Back-to-Front 6 Fans 2 PSU Switch Bdl	R8P14A
	<ul style="list-style-type: none"> No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P) 	

Configuration Information

TAA Switch Bundles

1, 2, 3, 4, 5, 6, 7, 8	HPE Aruba Networking CX 10000 48p SFP28 10G/25G 6p QSFP28 100G Front-to-Back 6xFan 2xPSU TAA Bundle	S0F97A
	<ul style="list-style-type: none"> Includes 2 FB (Port to Power) Power Supplies (R8R51A) with no additional open PS slots Includes 6 FB (Port to Power) Fan Tray Bundles (R8R53A) with no additional open FT Slots Must select a Rack Kit Min=0 \ Max= 48 SFP/SFP+/SFP28 1/10/25G Transceivers Min=0 \ Max = 6 QSFP+/QSFP28 40/100G Transceivers 1U - Height 	
	HPE Aruba Networking 10000 48p SFP28 10G/25G 6p QSFP28 100G Front-to-Back 6xFan 2xPSU TAA Bundle PDU	S0F97A#B2B
	<ul style="list-style-type: none"> C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent) 	S0F97A#B2C
	HPE Aruba Networking 10000 48p SFP28 10G/25G 6p QSFP28 100G Front-to-Back 6Fs 2xPSU TAA 220v Bundle	S0F97A#B2E
1, 2, 3, 4, 5, 6, 7, 8	<ul style="list-style-type: none"> HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A) 	
	HPE Aruba Networking 10000 48p SFP28 10G/25G 6p QSFP28 100G Front-to-Back 6Fs 2xPSU TAA Bdl No Loc	S0F97A#AC3
	<ul style="list-style-type: none"> No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P) 	
	HPE Aruba Networking CX 10000 48p SFP28 10G/25G 6p QSFP28 100G Back-to-Front 6xFan 2xPSU TAA Bundle	S0F98A
	<ul style="list-style-type: none"> Includes 2 BF(Power to Port) Power Supplies (R8R52A) with no additional open PS slots Includes 6 BF(Power to Port) Fan Tray Bundles (R8R54A) with no additional open FT Slots Must select a Rack Kit Min=0 \ Max= 48 SFP/SFP+/SFP28 1/10/25G Transceivers Min=0 \ Max = 6 QSFP+/QSFP28 40/100G Transceivers 1U - Height 	
	HPE Aruba Networking 10000 48p SFP28 10G/25G 6p QSFP28 100G Back-to-Front 6xFan 2xPSU TAA Bundle PDU	S0F98A#B2B
	<ul style="list-style-type: none"> C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent) 	S0F98A#B2C
	HPE Aruba Networking 10000 48p SFP28 10G/25G 6p QSFP28 100G Back-to-Front 6xFan 2xPSU TAA Bundle PDU	S0F98A#B2C
	<ul style="list-style-type: none"> C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent) 	S0F98A#B2E
	HPE Aruba Networking 10000 48p SFP28 10G/25G 6p QSFP28 100G Back-to-Front 6Fs 2xPSU TAA 220v Bundle	S0F98A#B2E
4, 5, 6, 7, 8	<ul style="list-style-type: none"> HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A) 	
	HPE Aruba Networking 10000 48p SFP28 10G/25G 6p QSFP28 100G Back-to-Front 6Fs 2xPSU TAA Bdl No Loc	S0F98A#AC3
	<ul style="list-style-type: none"> No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P) 	
	10040 Switch Bundles	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Front-to-Back 4xFan 2xPSU AC Bundle	S4R54A
	<ul style="list-style-type: none"> Includes 2 FB(Port to Power) Power Supplies (S4R52A) with no additional open PS slots Includes 4 FB(Port to Power) Fan Tray Bundles (S4R50A) with no additional open FT Slots 	

Configuration Information

	<ul style="list-style-type: none"> Qty 2 of the 2-Post Rack Kit is included Must select 4-Post Rack Kit Min=0 \ Max= 32 QSFP+/QSFP28 40/100G Transceivers Min=0 \ Max = 6 QSFP-DD 400G Transceivers 2U - Height 	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Front-to-Back 4Fs 2xPSU AC Bdl PDU	S4R54A#B2B
	<ul style="list-style-type: none"> C19 PDU Jumper Cord (NA/MEX/TW/JP) 	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Front-to-Back 4Fs 2xPSU AC Bdl PDU	S4R54A#B2C
	<ul style="list-style-type: none"> C19 PDU Jumper Cord (ROW) 	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Front-to-Back 4Fs 2xPSU AC Bdl 220v	S4R54A#B2E
	<ul style="list-style-type: none"> HPE 2.5m C19 to NEMA 6-20P Pwr Cord 	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Front-to-Back 4Fs 2xPSU AC Bdl NoLo	S4R54A#AC3
	<ul style="list-style-type: none"> No Localized Power Cord Selected 	
4, 5, 6, 7, 8	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Back-to-Front 4xFan 2xPSU AC Bdl	S4R55A
	<ul style="list-style-type: none"> Includes 2 BF(Power to Port) Power Supplies (S4R53A) with no additional open PS slots Includes 6 BF(Power to Port) Fan Tray Bundles (S4R51A) with no additional open FT Slots Qty 2 of the 2-Post Rack Kit is included Must select 4-Post Rack Kit Min=0 \ Max= 32 QSFP+/QSFP28 40/100G Transceivers Min=0 \ Max = 6 QSFP-DD 400G Transceivers 2U - Height 	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Back-to-Front 4Fs 2xPSU AC Bdl PDU	S4R55A#B2B
	<ul style="list-style-type: none"> C19 PDU Jumper Cord (NA/MEX/TW/JP) 	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Back-to-Front 4Fs 2xPSU AC Bdl PDU	S4R55A#B2C
	<ul style="list-style-type: none"> C19 PDU Jumper Cord (ROW) 	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Back-to-Front 4Fs 2xPSU AC Bdl 220v	S4R55A#B2E
	<ul style="list-style-type: none"> HPE 2.5m C19 to NEMA 6-20P Pwr Cord 	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Back-to-Front 4Fs 2xPSU AC Bdl NoLo	S4R55A#AC3
	<ul style="list-style-type: none"> No Localized Power Cord Selected 	
	TAA Switch Bundles	
4, 5, 6, 7, 8	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Front-to-Back 4xFan 2xPSU AC TAA Bdl	S4R56A
	<ul style="list-style-type: none"> TAA Compliant Bundle Includes 2 FB(Port to Power) Power Supplies (S4R52A) with no additional open PS slots Includes 4 FB(Port to Power) Fan Tray Bundles (S4R50A) with no additional open FT Slots Qty 2 of the 2-Post Rack Kit is included Must select 4-Post Rack Kit Min=0 \ Max= 32 QSFP+/QSFP28 40/100G Transceivers Min=0 \ Max = 6 QSFP-DD 400G Transceivers 2U - Height 	

Configuration Information

4, 5, 6, 7, 8	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G FB 4xFan 2xPSU AC TAA Bundle PDU	S4R56A#B2B
	<ul style="list-style-type: none"> C19 PDU Jumper Cord (NA/MEX/TW/JP) 	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G FB 4xFan 2xPSU AC TAA Bundle PDU	S4R56A#B2C
	<ul style="list-style-type: none"> C19 PDU Jumper Cord (ROW) 	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G FB 4xFan 2xPSU AC TAA Bundle 220v	S4R56A#B2E
	<ul style="list-style-type: none"> HPE 2.5m C19 to NEMA 6-20P Pwr Cord 	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G FB 4xFan 2xPSU AC TAA Bundle No Loc	S4R56A#AC3
	<ul style="list-style-type: none"> No Localized Power Cord Selected 	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Back-to-Front 4xFan 2xPSU AC TAA BdI	S4R57A
	<ul style="list-style-type: none"> TAA Compliant Bundle Includes 2 BF(Power to Port) Power Supplies (S4R53A) with no additional open PS slots Includes 6 BF(Power to Port) Fan Tray Bundles (S4R51A) with no additional open FT Slots Qty 2 of the 2-Post Rack Kit is included Must select 4-Post Rack Kit Min=0 \ Max= 32 QSFP+/QSFP28 40/100G Transceivers Min=0 \ Max = 6 QSFP-DD 400G Transceivers 2U - Height 	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G BF 4xFan 2xPSU AC TAA Bundle PDU	S4R57A#B2B
	<ul style="list-style-type: none"> C19 PDU Jumper Cord (NA/MEX/TW/JP) 	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G BF 4xFan 2xPSU AC TAA Bundle PDU	S4R57A#B2C
	<ul style="list-style-type: none"> C19 PDU Jumper Cord (ROW) 	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G BF 4xFan 2xPSU AC TAA Bundle 220v	S4R57A#B2E
	<ul style="list-style-type: none"> HPE 2.5m C19 to NEMA 6-20P Pwr Cord 	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G BF 4xFan 2xPSU AC TAA Bundle No Loc	S4R57A#AC3
	<ul style="list-style-type: none"> No Localized Power Cord Selected 	

Configuration Rules

Rule

Description

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

HPE Aruba Networking 1G SFP LC SX 500m OM2 MMF Transceiver	J4858D
HPE Aruba Networking 1G SFP LC LX 10km SMF Transceiver	J4859D
HPE Aruba Networking 1G SFP LC LH 70km SMF Transceiver	J4860D
HPE Aruba Networking 1G SFP RJ45 100m Cat5e Transceiver	J8177E
HPE Aruba Networking 1G SFP LC SX 500m MMF TAA Transceiver	JL745A
HPE Aruba Networking 1G SFP LC LX 10km SMF TAA Transceiver	JL746A
HPE Aruba Networking 1G SFP RJ45 100m Cat5e TAA Transceiver	JL747B

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

HPE Aruba Networking 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver	JL563C
HPE Aruba Networking 10G SFP+ LC SR 300m OM3 MMF Transceiver	J9150D
HPE Aruba Networking 10G SFP+ LC LR 10km SMF Transceiver	J9151E
HPE Aruba Networking 10G SFP+ LC ER 40km SMF Transceiver	J9153D
HPE Aruba Networking 10G SFP+ LC SR 300m MMF TAA Transceiver	JL748A
HPE Aruba Networking 10G SFP+ LC LR 10km SMF TAA Transceiver	JL749A
HPE Aruba Networking 10G SFP+ to SFP+ 1m Direct Attach Copper Cable	J9281D

Configuration Information

	HPE Aruba Networking 10G SFP+ to SFP+ 3m Direct Attach Copper Cable	J9283D
	HPE BladeSystem c-Class 10GbE SFP+ to SFP+ 3m Direct Attach Copper Cable	487655-B21
	HPE BladeSystem c-Class 10GbE SFP+ to SFP+ 5m Direct Attach Copper Cable	537963-B21
3	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	HPE Aruba Networking 25G SFP28 LC SR 100m MMF Transceiver	JL484A
	HPE Aruba Networking 25G SFP28 LC eSR 400m MMF Transceiver	JL485A
	HPE Aruba Networking 25G SFP28 LC LR 10km SMF Transceiver	JL486A
	HPE Aruba Networking 25G SFP28 to SFP28 0.65m Direct Attach Cable	JL487A
	HPE Aruba Networking 25G SFP28 to SFP28 3m Direct Attach Copper Cable	JL488A
	HPE Aruba Networking 25G SFP28 to SFP28 5m Direct Attach Copper Cable	JL489A
	HPE Aruba Networking 25G SFP28 to SFP28 3m Active Optical Cable	ROM44A
	HPE Aruba Networking 25G SFP28 to SFP28 7m Active Optical Cable	ROM45A
	HPE Aruba Networking 25G SFP28 to SFP28 15m Active Optical Cable	ROZ21A
	HPE 25Gb SFP28 to SFP28 3m Direct Attach Copper Cable	844477-B21
	HPE 25Gb SFP28 to SFP28 5m Direct Attach Copper Cable	844480-B21
4	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	HPE Aruba Networking 40G QSFP+ LC ER4 40km SMF Transceiver	Q9G82A
	HPE Networking X142 40G QSFP+ MPO SR4 Transceiver	JH231A
	HPE Networking X142 40G QSFP+ LC LR4 SM Transceiver	JH232A
	HPE Networking X142 40G QSFP+ MPO eSR4 300M Transceiver	JH233A
	HPE Aruba Networking 40G QSFP+ LC Bidirectional 150m MMF 2-strand Transceiver	JL308A
	HPE Networking X242 40G QSFP+ to QSFP+ 1m Direct Attach Copper Cable	JH234A
	HPE Networking X242 40G QSFP+ to QSFP+ 3m Direct Attach Copper Cable	JH235A
	HPE Networking X242 40G QSFP+ to QSFP+ 5m Direct Attach Copper Cable	JH236A
	HPE Aruba Networking 40G QSFP+ to QSFP+ 7m Active Optical Cable	ROZ22A
	HPE Aruba Networking 40G QSFP+ to QSFP+ 15m Active Optical Cable	ROZ23A
	HPE Aruba Networking 40G QSFP+ to QSFP+ 30m Active Optical Cable	ROZ24A
	HPE BladeSystem c-Class 40G QSFP+ to 4x10G SFP+ 3m Direct Attach Copper Splitter Cable	721064-B21
5	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	HPE Aruba Networking 100G QSFP28 MPO SR4 100m 12-fiber MPO OM3 MMF Transceiver	JL309A
	HPE Aruba Networking 100G QSFP28 LC LR4 10km SMF 2-strand Transceiver	JL310A
	HPE Aruba Networking 100G QSFP28 LC CWDM4 2km SMF Transceiver	ROZ30A
	HPE Aruba Networking 100G QSFP28 LC FR1 SMF 2km Transceiver	R9B63A
	HPE Aruba Networking 100G QSFP28 to QSFP28 3m Direct Attach Copper Cable	JL307A
	HPE Aruba Networking 100G QSFP28 to QSFP28 1m Direct Attach Copper Cable	ROZ25A
	HPE Aruba Networking 100G QSFP28 to QSFP28 5m Direct Attach Copper Cable	ROZ26A
	HPE 100Gb QSFP28 to 4x25Gb SFP28 3m Direct Attach Copper Cable	845416-B21
	HPE Aruba Networking 100G QSFP28 to QSFP28 2m Active Optical Cable	JL856A
	HPE Aruba Networking 100G QSFP28 to QSFP28 7m Active Optical Cable	ROZ27A
	HPE Aruba Networking 100G QSFP28 to QSFP28 15m Active Optical Cable	ROZ28A
	HPE Aruba Networking 100G QSFP28 to QSFP28 30m Active Optical Cable	ROZ29A
6	Localization required on orders without B2B, B2C, B2E or AC3 options.	
7	If ANY Option is integrated OD1 to this Switch, then the Switch requires OD1. (Box level integration is not allowed)	
8	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:	
	For Factory Integration of Power Cord, please add "#OD1" to the Power Cord Sku suffix. (Ex. JL671A#OD1)	
	HPE Networking 2.0m C13 to C14 PDU India Power Cord	JL671A
	HPE Networking 2.5m C15 to C14 PDU India Power Cord	JL672A
	HPE Networking 2.5m C19 to C20 PDU India Power Cord	JL673A

Configuration Information

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 > HPE Aruba Networking > Switches > HPE AOS > AOS-CX:
HPE Aruba Networking CX 10000 Switch Series
-



Configuration Information

Rack Level Integration CTO Models

10000 Switch Bundles		
Rule #	Description	SKU
1, 2, 3, 4, 5, 6, 7, 8	HPE Aruba Networking CX 10000-48Y6C Distributed Services Front-to-Back 6 Fans 2 PSU Switch Bdl	R8P13A
	<ul style="list-style-type: none"> Includes 2 FB(Port to Power) Power Supplies (R8R51A) with no additional open PS slots Includes 6 FB(Port to Power) Fan Tray Bundles (R8R53A) with no additional open FT Slots Must select 4 Post Rack Kit (R8R56A) Min=0 \ Max= 48 SFP/SFP+/SFP28 1/10/25G Transceivers Min=0 \ Max = 6 QSFP+/QSFP28 40/100G Transceivers 1U - Height 	
	HPE Aruba Networking CX 10000-48Y6C Distributed Services Front-to-Back 6 Fans 2 PSU Switch Bdl	R8P13A
	<ul style="list-style-type: none"> C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent) 	
	HPE Aruba Networking CX 10000-48Y6C Distributed Services Front-to-Back 6 Fans 2 PSU Switch Bdl	R8P13A
	<ul style="list-style-type: none"> C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent) 	
	HPE Aruba Networking CX 10000-48Y6C Distributed Services Front-to-Back 6 Fans 2 PSU Switch Bdl	R8P13A
	<ul style="list-style-type: none"> HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A) 	
	HPE Aruba Networking CX 10000-48Y6C Distributed Services Front-to-Back 6 Fans 2 PSU Switch Bdl	R8P13A
	<ul style="list-style-type: none"> No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P) 	
1, 2, 3, 4, 5, 6, 7, 8	HPE Aruba Networking CX 10000-48Y6C Distributed Services Back-to-Front 6 Fans 2 PSU Switch Bdl	R8P14A
	<ul style="list-style-type: none"> Includes 2 BF(Power to Port) Power Supplies (R8R52A) with no additional open PS slots Includes 6 BF(Power to Port) Fan Tray Bundles (R8R54A) with no additional open FT Slots Must select 4 Post Rack Kit (R8R56A) Min=0 \ Max= 48 SFP/SFP+/SFP28 1/10/25G Transceivers Min=0 \ Max = 6 QSFP+/QSFP28 40/100G Transceivers 1U - Height 	
	HPE Aruba Networking CX 10000-48Y6C Distributed Services Back-to-Front 6 Fans 2 PSU Switch Bdl	R8P14A
	<ul style="list-style-type: none"> C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent) 	
	HPE Aruba Networking CX 10000-48Y6C Distributed Services Back-to-Front 6 Fans 2 PSU Switch Bdl	R8P14A
	<ul style="list-style-type: none"> C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent) 	
	HPE Aruba Networking CX 10000-48Y6C Distributed Services Back-to-Front 6 Fans 2 PSU Switch Bdl	R8P14A
	<ul style="list-style-type: none"> HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A) 	
	HPE Aruba Networking CX 10000-48Y6C Distributed Services Back-to-Front 6 Fans 2 PSU Switch Bdl	R8P14A
	<ul style="list-style-type: none"> No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P) 	

Configuration Information

TAA Switch Bundles

1, 2, 3, 4, 5, 6, 7, 8	HPE Aruba Networking CX 10000 48p SFP28 10G/25G 6p QSFP28 100G Front-to-Back 6xFan 2xPSU TAA Bundle	S0F97A
	<ul style="list-style-type: none"> Includes 2 FB(Port to Power) Power Supplies (R8R51A) with no additional open PS slots Includes 6 FB(Port to Power) Fan Tray Bundles (R8R53A) with no additional open FT Slots Must select 4 Post Rack Kit (R8R56A) Min=0 \ Max= 48 SFP/SFP+/SFP28 1/10/25G Transceivers Min=0 \ Max = 6 QSFP+/QSFP28 40/100G Transceivers 1U - Height 	
	HPE Aruba Networking 10000 48p SFP28 10G/25G 6p QSFP28 100G Front-to-Back 6xFan 2xPSU TAA Bundle PDU	S0F97A#B2B
	<ul style="list-style-type: none"> C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent) 	
	HPE Aruba Networking 10000 48p SFP28 10G/25G 6p QSFP28 100G Front-to-Back 6xFan 2xPSU TAA Bundle PDU	S0F97A#B2C
	<ul style="list-style-type: none"> C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent) 	
	HPE Aruba Networking 10000 48p SFP28 10G/25G 6p QSFP28 100G Front-to-Back 6Fs 2xPSU TAA 220v Bundle	S0F97A#B2E
	<ul style="list-style-type: none"> HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A) 	
	HPE Aruba Networking 10000 48p SFP28 10G/25G 6p QSFP28 100G Front-to-Back 6Fs 2xPSU TAA Bdl No Loc	S0F97A#AC3
	<ul style="list-style-type: none"> No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P) 	
1, 2, 3, 4, 5, 6, 7, 8	HPE Aruba Networking CX 10000 48p SFP28 10G/25G 6p QSFP28 100G Back-to-Front 6xFan 2xPSU TAA Bundle	S0F98A
	<ul style="list-style-type: none"> Includes 2 BF(Power to Port) Power Supplies (R8R52A) with no additional open PS slots Includes 6 BF(Power to Port) Fan Tray Bundles (R8R54A) with no additional open FT Slots Min=0 \ Max= 48 SFP/SFP+/SFP28 1/10/25G Transceivers Min=0 \ Max = 6 QSFP+/QSFP28 40/100G Transceivers 1U - Height 	
	HPE Aruba Networking 10000 48p SFP28 10G/25G 6p QSFP28 100G Back-to-Front 6xFan 2xPSU TAA Bundle PDU	S0F98A#B2B
	<ul style="list-style-type: none"> C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A C15 equivalent) 	
	HPE Aruba Networking 10000 48p SFP28 10G/25G 6p QSFP28 100G Back-to-Front 6xFan 2xPSU TAA Bundle PDU	S0F98A#B2C
	<ul style="list-style-type: none"> C13 PDU Jumper Cord (ROW) (J9944A C15 equivalent) 	
	HPE Aruba Networking 10000 48p SFP28 10G/25G 6p QSFP28 100G Back-to-Front 6Fs 2xPSU TAA 220v Bundle	S0F98A#B2E
	<ul style="list-style-type: none"> HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A) 	
	HPE Aruba Networking 10000 48p SFP28 10G/25G 6p QSFP28 100G Back-to-Front 6Fs 2xPSU TAA Bdl No Loc	S0F98A#AC3
	<ul style="list-style-type: none"> No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P) 	
4, 5, 6, 7, 8	10040 Switch Bundles	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Front-to-Back 4xFan 2xPSU AC Bundle	S4R54A
	<ul style="list-style-type: none"> Includes 2 FB(Port to Power) Power Supplies (S4R52A) with no additional open PS slots Includes 4 FB(Port to Power) Fan Tray Bundles (S4R50A) with no additional open FT Slots Qty 2 of the 2-Post Rack Kit is included Must select 4-Post Rack Kit 	

Configuration Information

- Min=0 \ Max= 32 QSFP+/QSFP28 40/100G Transceivers
- Min=0 \ Max = 6 QSFP-DD 400G Transceivers

2U - Height

HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Front-to-Back 4Fs S4R54A#B2B

2xPSU AC Bdl PDU

C19 PDU Jumper Cord (NA/MEX/TW/JP)

HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Front-to-Back 4Fs S4R54A#B2C

2xPSU AC Bdl PDU

C19 PDU Jumper Cord (ROW)

HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Front-to-Back 4Fs S4R54A#B2E

2xPSU AC Bdl 220v

HPE 2.5m C19 to NEMA 6-20P Pwr Cord

HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Front-to-Back 4Fs S4R54A#AC3

2xPSU AC Bdl NoLo

No Localized Power Cord Selected

4, 5, 6, 7, 8

HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Back-to-Front 4xFan S4R55A

2xPSU AC Bdl

- Includes 2 BF(Power to Port) Power Supplies (S4R53A) with no additional open PS slots
- Includes 6 BF(Power to Port) Fan Tray Bundles (S4R51A) with no additional open FT Slots
- Qty 2 of the 2-Post Rack Kit is included
- Must select 4-Post Rack Kit
- Min=0 \ Max= 32 QSFP+/QSFP28 40/100G Transceivers
- Min=0 \ Max = 6 QSFP-DD 400G Transceivers

2U - Height

HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Back-to-Front 4Fs S4R55A#B2B

2xPSU AC Bdl PDU

C19 PDU Jumper Cord (NA/MEX/TW/JP)

HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Back-to-Front 4Fs S4R55A#B2C

2xPSU AC Bdl PDU

C19 PDU Jumper Cord (ROW)

HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Back-to-Front 4Fs S4R55A#B2E

2xPSU AC Bdl 220v

HPE 2.5m C19 to NEMA 6-20P Pwr Cord

HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Back-to-Front 4Fs S4R55A#AC3

2xPSU AC Bdl NoLo

No Localized Power Cord Selected

TAA Switch Bundles

4, 5, 6, 7, 8

HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Front-to-Back 4xFan S4R56A

2xPSU AC TAA Bdl

- TAA Compliant Bundle
- Includes 2 FB(Port to Power) Power Supplies (S4R52A) with no additional open PS slots
- Includes 4 FB(Port to Power) Fan Tray Bundles (S4R50A) with no additional open FT Slots
- Qty 2 of the 2-Post Rack Kit is included
- Must select 4-Post Rack Kit
- Min=0 \ Max= 32 QSFP+/QSFP28 40/100G Transceivers
- Min=0 \ Max = 6 QSFP-DD 400G Transceivers

2U - Height

HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G FB 4xFan 2xPSU AC S4R56A#B2B

TAA Bundle PDU

C19 PDU Jumper Cord (NA/MEX/TW/JP)

Configuration Information

4, 5, 6, 7, 8	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G FB 4xFan 2xPSU AC TAA Bundle PDU	S4R56A#B2C
	C19 PDU Jumper Cord (ROW)	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G FB 4xFan 2xPSU AC TAA Bundle 220v	S4R56A#B2E
	HPE 2.5m C19 to NEMA 6-20P Pwr Cord	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G FB 4xFan 2xPSU AC TAA Bundle No Loc	S4R56A#AC3
	No Localized Power Cord Selected	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Back-to-Front 4xFan 2xPSU AC TAA Bdl	S4R57A
	<ul style="list-style-type: none"> TAA Compliant Bundle Includes 2 BF(Power to Port) Power Supplies (S4R53A) with no additional open PS slots Includes 6 BF(Power to Port) Fan Tray Bundles (S4R51A) with no additional open FT Slots Qty 2 of the 2-Post Rack Kit is included Must select 4-Post Rack Kit Min=0 \ Max= 32 QSFP+/QSFP28 40/100G Transceivers Min=0 \ Max = 6 QSFP-DD 400G Transceivers 	
	2U - Height	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G BF 4xFan 2xPSU AC TAA Bundle PDU	S4R57A#B2B
	C19 PDU Jumper Cord (NA/MEX/TW/JP)	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G BF 4xFan 2xPSU AC TAA Bundle PDU	S4R57A#B2C
	C19 PDU Jumper Cord (ROW)	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G BF 4xFan 2xPSU AC TAA Bundle 220v	S4R57A#B2E
	HPE 2.5m C19 to NEMA 6-20P Pwr Cord	
	HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G BF 4xFan 2xPSU AC TAA Bundle No Loc	S4R57A#AC3
	No Localized Power Cord Selected	
	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:	
	HPE Aruba Networking 1G SFP LC SX 500m OM2 MMF Transceiver	J4858D
	HPE Aruba Networking 1G SFP LC LX 10km SMF Transceiver	J4859D
	HPE Aruba Networking 1G SFP LC LH 70km SMF Transceiver	J4860D
	HPE Aruba Networking 1G SFP RJ45 100m Cat5e Transceiver	J8177E
	HPE Aruba Networking 1G SFP LC SX 500m MMF TAA Transceiver	JL745A
	HPE Aruba Networking 1G SFP LC LX 10km SMF TAA Transceiver	JL746A
	HPE Aruba Networking 1G SFP RJ45 100m Cat5e TAA Transceiver	JL747B
	2 The following Transceivers install into this Switch: (Use 0D1 quoted to switch if switch is CTO) - if applicable:	
	HPE Aruba Networking 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver	JL563C
	HPE Aruba Networking 10G SFP+ LC SR 300m OM3 MMF Transceiver	J9150D
	HPE Aruba Networking 10G SFP+ LC LR 10km SMF Transceiver	J9151E
	HPE Aruba Networking 10G SFP+ LC ER 40km SMF Transceiver	J9153D
	HPE Aruba Networking 10G SFP+ LC SR 300m MMF TAA Transceiver	JL748A
	HPE Aruba Networking 10G SFP+ LC LR 10km SMF TAA Transceiver	JL749A
	HPE Aruba Networking 10G SFP+ to SFP+ 1m Direct Attach Copper Cable	J9281D
	HPE Aruba Networking 10G SFP+ to SFP+ 3m Direct Attach Copper Cable	J9283D
	HPE BladeSystem c-Class 10GbE SFP+ to SFP+ 3m Direct Attach Copper Cable	487655-B21

Configuration Information

- 3 HPE BladeSystem c-Class 10GbE SFP+ to SFP+ 5m Direct Attach Copper Cable 537963-B21
- The following Transceivers install into this Switch: (Use OD1 or B01 quoted to switch if switch is CTO) - if applicable:
- | | |
|---|------------|
| HPE Aruba Networking 25G SFP28 LC SR 100m MMF Transceiver | JL484A |
| HPE Aruba Networking 25G SFP28 LC eSR 400m MMF Transceiver | JL485A |
| HPE Aruba Networking 25G SFP28 LC LR 10km SMF Transceiver | JL486A |
| HPE Aruba Networking 25G SFP28 to SFP28 0.65m Direct Attach Cable | JL487A |
| HPE Aruba Networking 25G SFP28 to SFP28 3m Direct Attach Copper Cable | JL488A |
| HPE Aruba Networking 25G SFP28 to SFP28 5m Direct Attach Copper Cable | JL489A |
| HPE Aruba Networking 25G SFP28 to SFP28 3m Active Optical Cable | ROM44A |
| HPE Aruba Networking 25G SFP28 to SFP28 7m Active Optical Cable | ROM45A |
| HPE Aruba Networking 25G SFP28 to SFP28 15m Active Optical Cable | ROZ21A |
| HPE 25Gb SFP28 to SFP28 3m Direct Attach Copper Cable | 844477-B21 |
| HPE 25Gb SFP28 to SFP28 5m Direct Attach Copper Cable | 844480-B21 |
- 4 The following Transceivers install into this Switch: (Use OD1 or B01 quoted to switch if switch is CTO) - if applicable:
- | | |
|--|------------|
| HPE Aruba Networking 40G QSFP+ LC ER4 40km SMF Transceiver | Q9G82A |
| HPE Networking X142 40G QSFP+ MPO SR4 Transceiver | JH231A |
| HPE Networking X142 40G QSFP+ LC LR4 SM Transceiver | JH232A |
| HPE Networking X142 40G QSFP+ MPO eSR4 300M Transceiver | JH233A |
| HPE Aruba Networking 40G QSFP+ LC Bidirectional 150m MMF 2-strand Transceiver | JL308A |
| HPE Networking X242 40G QSFP+ to QSFP+ 1m Direct Attach Copper Cable | JH234A |
| HPE Networking X242 40G QSFP+ to QSFP+ 3m Direct Attach Copper Cable | JH235A |
| HPE Networking X242 40G QSFP+ to QSFP+ 5m Direct Attach Copper Cable | JH236A |
| HPE Aruba Networking 40G QSFP+ to QSFP+ 7m Active Optical Cable | ROZ22A |
| HPE Aruba Networking 40G QSFP+ to QSFP+ 15m Active Optical Cable | ROZ23A |
| HPE Aruba Networking 40G QSFP+ to QSFP+ 30m Active Optical Cable | ROZ24A |
| HPE BladeSystem c-Class 40G QSFP+ to 4x10G SFP+ 3m Direct Attach Copper Splitter Cable | 721064-B21 |
- 5 The following Transceivers install into this Switch: (Use OD1 or B01 quoted to switch if switch is CTO) - if applicable:
- | | |
|--|------------|
| HPE Aruba Networking 100G QSFP28 MPO SR4 100m 12-fiber MPO OM3 MMF Transceiver | JL309A |
| HPE Aruba Networking 100G QSFP28 LC LR4 10km SMF 2-strand Transceiver | JL310A |
| HPE Aruba Networking 100G QSFP28 LC CWDM4 2km SMF Transceiver | ROZ30A |
| HPE Aruba Networking 100G QSFP28 LC FR1 SMF 2km Transceiver | R9B63A |
| HPE Aruba Networking 100G QSFP28 to QSFP28 3m Direct Attach Copper Cable | JL307A |
| HPE Aruba Networking 100G QSFP28 to QSFP28 1m Direct Attach Copper Cable | ROZ25A |
| HPE Aruba Networking 100G QSFP28 to QSFP28 5m Direct Attach Copper Cable | ROZ26A |
| HPE 100Gb QSFP28 to 4x25Gb SFP28 3m Direct Attach Copper Cable | 845416-B21 |
| HPE Aruba Networking 100G QSFP28 to QSFP28 2m Active Optical Cable | JL856A |
| HPE Aruba Networking 100G QSFP28 to QSFP28 7m Active Optical Cable | ROZ27A |
| HPE Aruba Networking 100G QSFP28 to QSFP28 15m Active Optical Cable | ROZ28A |
| HPE Aruba Networking 100G QSFP28 to QSFP28 30m Active Optical Cable | ROZ29A |
- 6 Localization required on orders without B2B, B2C, B2E or AC3 options.
- 7 If the CTO Switch Chassis needs to be racked, Then the CTO Base Model needs to integrate (with OD1) to the HPE Network Rack.
- 8 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:
For Factory Integration of Power Cord, please add "#OD1" to the Power Cord Sku suffix. (Ex. JL671A#OD1)
- | | |
|---|--------|
| HPE Networking 2.0m C13 to C14 PDU India Power Cord | JL671A |
| HPE Networking 2.5m C15 to C14 PDU India Power Cord | JL672A |

Configuration Information

HPE Networking 2.5m C19 to C20 PDU India Power Cord

JL673A

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

Transceivers

SFP Transceivers

Rule #	Description	SKU
	HPE Aruba Networking 1G SFP LC SX 500m OM2 MMF Transceiver	J4858D
	HPE Aruba Networking 1G SFP LC LX 10km SMF Transceiver	J4859D
	HPE Aruba Networking 1G SFP LC LH 70km SMF Transceiver	J4860D
	HPE Aruba Networking 1G SFP RJ45 100m Cat5e Transceiver	J8177E
	HPE Aruba Networking 1G SFP LC SX 500m MMF TAA Transceiver	JL745A
	HPE Aruba Networking 1G SFP LC LX 10km SMF TAA Transceiver	JL746A
	HPE Aruba Networking 1G SFP RJ45 100m Cat5e TAA Transceiver	JL747B

SFP+ Transceivers

Rule #	Description	SKU
	HPE Aruba Networking 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver	JL563C
	HPE Aruba Networking 10G SFP+ LC SR 300m OM3 MMF Transceiver	J9150D
	HPE Aruba Networking 10G SFP+ LC LR 10km SMF Transceiver	J9151E
	HPE Aruba Networking 10G SFP+ LC ER 40km SMF Transceiver	J9153D
	HPE Aruba Networking 10G SFP+ LC SR 300m MMF TAA Transceiver	JL748A
	HPE Aruba Networking 10G SFP+ LC LR 10km SMF TAA Transceiver	JL749A
	HPE Aruba Networking 10G SFP+ to SFP+ 1m Direct Attach Copper Cable	J9281D
	HPE Aruba Networking 10G SFP+ to SFP+ 3m Direct Attach Copper Cable	J9283D
	HPE BladeSystem c-Class 10GbE SFP+ to SFP+ 3m Direct Attach Copper Cable	487655-B21
	HPE BladeSystem c-Class 10GbE SFP+ to SFP+ 5m Direct Attach Copper Cable	537963-B21

SFP28 Transceivers

Rule #	Description	SKU
	HPE Aruba Networking 25G SFP28 LC SR 100m MMF Transceiver	JL484A
	HPE Aruba Networking 25G SFP28 LC eSR 400m MMF Transceiver	JL485A
	HPE Aruba Networking 25G SFP28 LC LR 10km SMF Transceiver	JL486A
	HPE Aruba Networking 25G SFP28 to SFP28 0.65m Direct Attach Cable	JL487A
	HPE Aruba Networking 25G SFP28 to SFP28 3m Direct Attach Copper Cable	JL488A
	HPE Aruba Networking 25G SFP28 to SFP28 5m Direct Attach Copper Cable	JL489A
	HPE Aruba Networking 25G SFP28 to SFP28 3m Active Optical Cable	ROM44A
	HPE Aruba Networking 25G SFP28 to SFP28 7m Active Optical Cable	ROM45A
	HPE Aruba Networking 25G SFP28 to SFP28 15m Active Optical Cable	ROZ21A
	HPE 25Gb SFP28 to SFP28 3m Direct Attach Copper Cable	844477-B21
	HPE 25Gb SFP28 to SFP28 5m Direct Attach Copper Cable	844480-B21

Notes:

- The 48 x SFP28 Ports function in port groups of 4 ports. Each port group must operate at the same speed (ie. Group 1 = qty4 of 1G and 10G, or 25G transceivers).
 - Group 1 = ports 1-4
 - Group 2 = ports 5-9
 - Group 3 = ports 10-13
 - Group 4 = ports 14-17
 - Group 5 = ports 18-21

Configuration Information

- Group 6 = ports 22-25
- Group 7 = ports 26-29
- Group 8 = ports 30-33
- Group 9 = ports 33-36
- Group 10 = ports 37-40
- Group 11 = ports 41-44
- Group 12 = ports 45-48

QSFP+ Transceivers

Rule #	Description	SKU
	HPE Aruba Networking 40G QSFP+ LC ER4 40km SMF Transceiver	Q9G82A
	HPE Networking X142 40G QSFP+ MPO SR4 Transceiver	JH231A
	HPE Networking X142 40G QSFP+ LC LR4 SM Transceiver	JH232A
	HPE Networking X142 40G QSFP+ MPO eSR4 300M Transceiver	JH233A
	HPE Aruba Networking 40G QSFP+ LC Bidirectional 150m MMF 2-strand Transceiver	JL308A
	HPE Networking X242 40G QSFP+ to QSFP+ 1m Direct Attach Copper Cable	JH234A
	HPE Networking X242 40G QSFP+ to QSFP+ 3m Direct Attach Copper Cable	JH235A
	HPE Networking X242 40G QSFP+ to QSFP+ 5m Direct Attach Copper Cable	JH236A
	HPE Aruba Networking 40G QSFP+ to QSFP+ 7m Active Optical Cable	ROZ22A
	HPE Aruba Networking 40G QSFP+ to QSFP+ 15m Active Optical Cable	ROZ23A
	HPE Aruba Networking 40G QSFP+ to QSFP+ 30m Active Optical Cable	ROZ24A
	HPE BladeSystem c-Class 40G QSFP+ to 4x10G SFP+ 3m Direct Attach Copper Splitter Cable	721064-B21

QSFP28 Transceivers

Rule #	Description	SKU
	HPE Aruba Networking 100G QSFP28 MPO SR4 100m 12-fiber MPO OM3 MMF Transceiver	JL309A
	HPE Aruba Networking 100G QSFP28 LC LR4 10km SMF 2-strand Transceiver	JL310A
	HPE Aruba Networking 100G QSFP28 LC CWDM4 2km SMF Transceiver	ROZ30A
	HPE Aruba Networking 100G QSFP28 LC FR1 SMF 2km Transceiver	R9B63A
	HPE Aruba Networking 100G QSFP28 to QSFP28 3m Direct Attach Copper Cable	JL307A
	HPE Aruba Networking 100G QSFP28 to QSFP28 1m Direct Attach Copper Cable	ROZ25A
	HPE Aruba Networking 100G QSFP28 to QSFP28 5m Direct Attach Copper Cable	ROZ26A
	HPE 100Gb QSFP28 to 4x25Gb SFP28 3m Direct Attach Copper Cable	845416-B21
	HPE Aruba Networking 100G QSFP28 to QSFP28 2m Active Optical Cable	JL856A
	HPE Aruba Networking 100G QSFP28 to QSFP28 7m Active Optical Cable	ROZ27A
	HPE Aruba Networking 100G QSFP28 to QSFP28 15m Active Optical Cable	ROZ28A
	HPE Aruba Networking 100G QSFP28 to QSFP28 30m Active Optical Cable	ROZ29A

Switch Options

Rack Mount Kits

Rule #	Description	SKU
2	HPE Aruba Networking CX 10000 1U 2 post Rack Mount Kit	R8R55A
1, 2	HPE Aruba Networking CX 10000 1U 4 post Rack Mount Kit	R8R56A
1, 3	HPE Aruba Networking X414 1U Universal 4-post Rack Mount Kit	J9583B

Configuration Rules

Rule #	Description
1	If the switch will be factory racked into an HPE Universal Rack, then (Min 1) of the 4 Post Rack Mount kit is required.
2	If 10000 Switch is configured, then this rack mount kit is compatible
3	If 10040 Switch is configured, then this rack mount kit is compatible

India PDU Cable

	For Switch System (std 0 // max 2) User Selection (0 or 2) per enclosure	
1, 2	HPE Networking 2.0m C13 to C14 PDU India Power Cord	JL671A
	<ul style="list-style-type: none"> C13 India PDU Cable for Factory Racked Systems Only 	
1, 3	HPE Networking 2.5m C19 to C20 PDU India Power Cord	JL673A

Configuration Information

Rule #	Configuration Rules Description
1	This Power Cord is only available when the #AC3 option is selected for the supported power supply and intended for India
2	If 10000 Switch is configured, then this India PDU Cable is compatible
3	If 10040 Switch is configured, then this India PDU Cable is compatible

Accessories

Rule #	Spare Items Description	SKU
1	HPE Aruba Networking CX 10000-48Y6C Port-to-Power(FB) AC Power Supply Unit <ul style="list-style-type: none"> includes 1 x c13, 550w 	R8R51A
	HPE Aruba Networking CX 10000-48Y6C Port-to-Power(FB) AC Power Supply Unit PDU <ul style="list-style-type: none"> C13 PDU Jumper Cord (NA/MEX/TW/JP) (JL697A) 	R8R51A#B2B
	HPE Aruba Networking CX 10000-48Y6C Port-to-Power(FB) AC Power Supply Unit PDU <ul style="list-style-type: none"> C13 PDU Jumper Cord (ROW) (JL697A) 	R8R51A#B2C
	HPE Aruba Networking CX 10000-48Y6C Port-to-Power(FB) AC Power Supply Unit 220v <ul style="list-style-type: none"> HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A) 	R8R51A#B2E
	HPE Aruba Networking CX 10000-48Y6C Port-to-Power(FB) AC Power Supply Unit NoLoc <ul style="list-style-type: none"> No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P) 	R8R51A#AC3
1	HPE Aruba Networking CX 10000-48Y6C Power-to-Port(BF) AC Power Supply Unit <ul style="list-style-type: none"> includes 1 x c13, 550w 	R8R52A
	HPE Aruba Networking CX 10000-48Y6C Power-to-Port(BF) AC Power Supply Unit PDU <ul style="list-style-type: none"> C13 PDU Jumper Cord (NA/MEX/TW/JP) (JL697A) 	R8R52A#B2B
	HPE Aruba Networking CX 10000-48Y6C Power-to-Port(BF) AC Power Supply Unit PDU <ul style="list-style-type: none"> C13 PDU Jumper Cord (ROW) (JL697A) 	R8R52A#B2C
	HPE Aruba Networking CX 10000-48Y6C Power-to-Port(BF) AC Power Supply Unit 220v <ul style="list-style-type: none"> HPE 2.3m C13 to NEMA 6-15P Pwr Cord(J9936A) 	R8R52A#B2E
	HPE Aruba Networking CX 10000-48Y6C Power-to-Port(BF) AC Power Supply Unit NoLoc <ul style="list-style-type: none"> No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P) 	R8R52A#AC3
1	HPE Aruba Networking CX 10040 3000W Front-to-Back C20 AC Power Supply Unit <ul style="list-style-type: none"> includes 1 x c20, 3000w 	S4R52A
	HPE Aruba Networking CX 10040 3000W Front-to-Back C20 AC Power Supply Unit PDU <ul style="list-style-type: none"> C19 PDU Jumper Cord (NA/MEX/TW/JP) 	S4R52A#B2B
	HPE Aruba Networking CX 10040 3000W Front-to-Back C20 AC Power Supply Unit PDU <ul style="list-style-type: none"> C19 PDU Jumper Cord (ROW) 	S4R52A#B2C
	HPE Aruba Networking CX 10040 3000W Front-to-Back C20 AC Power Supply Unit 220v <ul style="list-style-type: none"> HPE 2.5m C19 to NEMA 6-20P Pwr Cord 	S4R52A#B2E
1	HPE Aruba Networking CX 10040 3000W Back-to-Front C20 AC Power Supply Unit <ul style="list-style-type: none"> includes 1 x c20, 3000w 	S4R53A
	HPE Aruba Networking CX 10040 3000W Back-to-Front C20 AC Power Supply Unit PDU <ul style="list-style-type: none"> C19 PDU Jumper Cord (NA/MEX/TW/JP) 	S4R53A#B2B
	HPE Aruba Networking CX 10040 3000W Back-to-Front C20 AC Power Supply Unit PDU <ul style="list-style-type: none"> C19 PDU Jumper Cord (ROW) 	S4R53A#B2C
	HPE Aruba Networking CX 10040 3000W Back-to-Front C20 AC Power Supply Unit 220v <ul style="list-style-type: none"> HPE 2.5m C19 to NEMA 6-20P Pwr Cord 	S4R53A#B2E
	HPE Aruba Networking CX 10000-48Y6C Port-to-Power(FB) Fan	R8R53A
	HPE Aruba Networking CX 10000-48Y6C Power-to-Port(BF) Fan	R8R54A
	HPE Aruba Networking CX 10040 Front-to-Back Fan	S4R50A
	HPE Aruba Networking CX 10040 Back-to-Front Fan	S4R51A
	HPE Aruba Networking CX 10000 1U 2 post Rack Mount Kit	R8R55A

Configuration Information

	<ul style="list-style-type: none"> For 10000 Switches only 	
	HPE Aruba Networking CX 10000 1U 4 post Rack Mount Kit	R8R56A
	<ul style="list-style-type: none"> For 10000 Switches only 	
2	HPE Aruba Networking X412 1U Universal 2-post Rack Mount Kit	JL602A
	<ul style="list-style-type: none"> For 10000 Switches only 	
	HPE Aruba Networking X414 1U Universal 4-post Rack Mount Kit	J9583B
	<ul style="list-style-type: none"> For 10000 Switches only 	
	HPE Aruba Networking X2C2 RJ45 to DB9 Console Cable	JL448A
	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 Note that qty 2 of the 2-post Rack Kit is included with the 10040 Switch Bundle

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
- Locking Power Cord (J9955A) L6-20P is available in the Accessories tab
- 2 Power Supply is included with the Switch Bundle

Software

CX Software

CX Advanced Software Licenses

HPE Aruba Networking CX Software 10xxx Advanced License E-LTU	R9H25AAE
HPE Aruba Networking CX Software 10xxx Switch Advanced 1-year Subscription E-STU	S0T97AAE
HPE Aruba Networking CX Software 10xxx Switch Advanced 3-year Subscription E-STU	S0T98AAE
HPE Aruba Networking CX Software 10xxx Switch Advanced 5-year Subscription E-STU	S0T99AAE
HPE Aruba Networking CX 10040 Advanced 1-year Subscription E-STU	S6J68AAE
HPE Aruba Networking CX 10040 Advanced 3-year Subscription E-STU	S6J69AAE
HPE Aruba Networking CX 10040 Advanced 5-year Subscription E-STU	S6J70AAE
HPE Aruba Networking CX 10040 Advanced Perpetual Subscription E-STU	S6J71AAE

CX Premium Software Licenses

HPE Aruba Networking CX 10040 Premium 1-year Subscription E-STU	S6J72AAE
HPE Aruba Networking CX 10040 Premium 3-year Subscription E-STU	S6J73AAE
HPE Aruba Networking CX 10040 Premium 5-year Subscription E-STU	S6J74AAE
HPE Aruba Networking CX 10040 Premium Perpetual Subscription E-STU	S6J75AAE
HPE Aruba Networking IPSec Encryption/NAT for CX 10000 E-LTU	R9H26AAE

HPE Aruba Networking Fabric Composer

Single Node Subscription

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

Configuration Information

HPE Aruba Networking Central

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

3	HPE Aruba Networking Central On-Premises Switch Class5 Advanced 1-year Subscription E-STU	R6V08AAE
3	HPE Aruba Networking Central On-Premises Switch Class5 Advanced 3-year Subscription E-STU	R6V09AAE
3	HPE Aruba Networking Central On-Premises Switch Class5 Advanced 5-year Subscription E-STU	R6V10AAE
3	HPE Aruba Networking Central On-Premises Switch Class5 Advanced 7-year Subscription E-STU	R6V11AAE
3	HPE Aruba Networking Central On-Premises Switch Class5 Advanced 10-year Subscription E-STU	R6V12AAE

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

2	HPE Aruba Networking Central Switch Class5 Foundation 1-year Subscription E-STU	R3K03AAE
2	HPE Aruba Networking Central Switch Class5 Foundation 3-year Subscription E-STU	R3K04AAE
2	HPE Aruba Networking Central Switch Class5 Foundation 5-year Subscription E-STU	R3K05AAE
2	HPE Aruba Networking Central Switch Class5 Foundation 7-year Subscription E-STU	R3K06AAE
2	HPE Aruba Networking Central Switch Class5 Foundation 10-year Subscription E-STU	R3K07AAE

Configuration Rules

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

As-a-Service

HPE Aruba Networking 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 Switch Class-5 Advanced 1 year Subscription SaaS	S0W62AAS
HPE Aruba Networking Central Switch Class-5 Advanced 3 year Subscription SaaS	S0W63AAS
HPE Aruba Networking Central Switch Class-5 Advanced 5 year Subscription SaaS	S0W64AAS
HPE Aruba Networking Central Switch Class-5 Advanced 7 year Subscription SaaS	S0W65AAS
HPE Aruba Networking Central 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

HPE Aruba Networking OS-CX Software

CX Advanced AAS Software Licenses

HPE Aruba Networking CX 10xxx Group6 Advanced Feature Pack 1-year Subscription 9x5 Support E-STU	S0T97AAS
HPE Aruba Networking CX 10xxx Group6 Advanced Feature Pack 3-year Subscription 9x5 Support E-STU	S0T98AAS
HPE Aruba Networking CX 10xxx Group6 Advanced Feature Pack 5-year Subscription 9x5 Support E-STU	S0T99AAS
HPE Aruba Networking CX 10xxx Group6 Advanced Feature Pack 1-year Subscription 24x7 Support E-STU	S3M95AAS
HPE Aruba Networking CX 10xxx Group6 Advanced Feature Pack 3-year Subscription 24x7 Support E-STU	S3M96AAS
HPE Aruba Networking CX 10xxx Group6 Advanced Feature Pack 5-year Subscription 24x7 Support E-STU	S3M97AAS

CX Premium AAS Software Licenses

HPE Aruba Networking CX 10xxx Group6 Premium Feature Pack 1-year Subscription 9x5 Support E-STU	S0U02AAS
HPE Aruba Networking CX 10xxx Group6 Premium Feature Pack 3-year Subscription 9x5 Support E-STU	S0U03AAS

Configuration Information

HPE Aruba Networking CX 10xxx Group6 Premium Feature Pack 5-year Subscription 9x5 Support E-STU	S0U04AAS
HPE Aruba Networking CX 10xxx Group6 Premium Feature Pack 1-year Subscription 24x7 Support E-STU	S3M98AAS
HPE Aruba Networking CX 10xxx Group6 Premium Feature Pack 3-year Subscription 24x7 Support E-STU	S3M99AAS
HPE Aruba Networking CX 10xxx Group6 Premium Feature Pack 5-year Subscription 24x7 Support E-STU	S3N00AAS

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



Technical Specifications

HPE Aruba Networking CX 10000 Switch Series bundles

	R8P13A 10000 48Y 6C Front-to-back switch bundle (S0F97A HPE ANW 10000 48Y 6C FB 6Fs TAA Bdl)	R8P14A 10000 48Y 6C Back-to-front switch bundle (S0F98A HPE ANW 10000 48Y 6C BF 6Fs 2PS TAA Bdl)
Description	<ul style="list-style-type: none">• R8P13A HPE Aruba Networking 10000 48Y 6C bundle includes: 48 x 25 Gb ports (SFP+/28), 6 x 100 Gb ports (QSFP+/28)• 6xR8R53A front-to-back fan• 2xR8R51A front-to-back 800W 100–240 VAC power supply	<ul style="list-style-type: none">• R8P14A HPE Aruba Networking 10000 48Y 6C bundle includes: 48 x 25 Gb ports (SFP+/28), 6 x 100 Gb ports (QSFP+/28)• 6xR8R54A back-to-front fan• 2xR8R52A back-to-front 800W 100–240 VAC power supply
Power supplies	Field-replaceable, hot-swappable, and up to two power supplies.	
Fans	Field-replaceable, hot-swappable, and up to six fans.	
Physical characteristics		
Dimensions	(H) 4.44 cm x (W) 43.82 cm x (D) 51.1 cm (1.75" x 17.25" x 20.12")	(H) 4.44 cm x (W) 43.82 cm x (D) 51.1 cm (1.75" x 17.25" x 20.12")
Full configuration weight	9.75 kg (21.45 lb)	9.75 kg (21.45 lb)
Additional specifications		
CPU	Intel® Xeon® CPU D-1637 6 cores @ 2.90 GHz	
Memory, drive, and flash	32 GB RAM, 64 GB SSD	
Packet buffer		32 MB
Performance ¹		
Notes: ¹ Some of these scaling numbers assume shared tables.		
Switching capacity	3.6 Tbps (bidirectional)	
Latency (LIFO)	<1 uSec (without redirect) <5 uSec (with redirect)	
IPv4 host table		120,000
IPv6 host table		52,000
IPv4 unicast routes		131,072
IPv6 unicast routes		32,732
MAC table size		98,304
IGMP groups		8000
MLD groups		8000
IPv4 multicast routes		8000
IPv6 multicast routes		8000
Environment		
Operating temperature	0°C to 40°C (32°F to 104°F) up to 3.0 km (10,000 ft.)	
Operating relative humidity	10% to 85% at 40°C (104°F) noncondensing	
Nonoperating	–40°C to 70°C (–40°F to 158°F) up to 4.6 km (15,000 ft.)	
Nonoperating/storage relative humidity	5% to 95% @ 65°C (149°F)	
Max operating altitude	Up to 10,000 ft (3.048 km)	
Max nonoperating	Up to 15,000 ft (4.6 km)	
Primary airflow	Front-to-back port to PSU or back-to-front PSU to port	
Electrical characteristics		
Frequency	50–60 Hz	
AC voltage	100–240 volts	
Current	6A (low voltage)–3A (high voltage)	

Technical Specifications

Power consumption ²	Max: 753W Typical: 550W Idle: 400W Idle: 400W	Max: 753W Typical: 550W Idle: 400W Idle: 400W
Notes: ² Max measurement is collected under 100% line rate network traffic running, with all ports populated with SFP and QSFP modules. Typical measurement is collected under 50% line rate network traffic running, with all ports populated with SFP and QSFP modules. Idle measurement is collected with no network traffic or modules.		
Safety	EN/IEC 60950-1:2006 + A11:2009 + A1:2010 + A12:2011 + A2:2013 EN/IEC 62368-1, 2nd. & 3rd. Ed. UL 62368-1, 3rd. Ed. CAN/CSA C22.2 No. 62368-1, 3rd. Ed.	
EMC	EN 55032:2015/CISPR 32, Class A FCC CFR 47 Part 15: 2018 Class A ICES-003 Class A VCCI Class A CNS 13438 Class A KS C 9832 Class A AS/NZS CISPR 32 Class A EN 55035, CISPR 35, KS KS C 9835	
Lasers	EN 60825-1:2014 / IEC 60825-1: 2014 Class 1 Class 1 Laser Products/Laser Klasse 1	
Management	CLI REST API SNMP HPE Aruba Networking Fabric Composer HPE Aruba Networking Switch Multi-Edit Software HPE Aruba Networking Central. HPE Aruba Networking Central support will come with HPE Aruba Networking Central 2.5.6 (not currently supported) RJ-45 serial USB micro USB console RJ-45 Ethernet port AMD Pensando PSM	
Mounting and enclosure	Mounts in an EIA standard 19-inch rack or other equipment cabinet; horizontal surface mounting only; order 2-post or 4-post mounting kit separately.	

HPE Aruba Networking CX 10040 Switch Series bundles

	HPE Aruba Networking CX 10040 Front-to-back switch bundle (S4R54A HPE ANW CX 10040 32C 6D FB 4Fs 2PS AC Bdl)	HPE Aruba Networking CX 10040 Back-to-front switch bundle (S4R55A HPE ANW CX 10040 32C 6D BF 4Fs 2PS AC Bdl)
Description	<ul style="list-style-type: none">HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Front-to-Back 4xFan 2xPSU AC Bundle (S4R54A)4xS4R50A front-to-back fan2xS4R52A front-to-back 300W AC PSU	<ul style="list-style-type: none">HPE Aruba Networking CX 10040 32p QSFP28 100G 6p QSFP-DD 400G Back-to-Front 4xFan 2xPSU AC Bundle (S4R55A)4xS4R51A back-to-front fan2xS4R53A back-to-front 3000W AC PSU
Power supplies	Field-replaceable, hot-swappable, and up to two power supplies*	
Fans	Field-replaceable, hot-swappable, and up to four dual-rotor fans.	
Physical characteristics		
Dimensions	(H) 4.43 cm x (W) 60.96 cm x (D) 8.84 cm (1.74" x 24.0" x 3.48")	(H) 4.43 cm x (W) 60.96 cm x (D) 8.84 cm (1.74" x 24.0" x 3.48")
Full configuration weight	23.0 kg (50.6 lb)	23.0 kg (50.6 lb)
Additional specifications		
CPU	AMD V3C48 as main system CPU, resides on Ryder	
Memory, drive, and flash	128 GB m.2 SSD, 16 MB SPI Flash, 32 GB x2 SODIMM	
Packet buffer		82 MB

Technical Specifications

Performance¹

Notes: ¹Some of these scaling numbers assume shared tables.

Switching capacity	8 Tbps (bidirectional)	
IPv4 host table		98304
IPv6 host table		49152
IPv4 unicast routes		720527
IPv6 unicast routes		368404
MAC table size		49152
IGMP groups		8192
MLD groups		8192
IPv4 multicast routes		8196
IPv6 multicast routes		8196

Environment

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 (300m to 3.0 km)	32°F to 104°F (0°C to 40°C) at sea level Derate 1°C for every 1,000 ft to 10,000 ft (300m to 3.0 km)
Operating relative humidity	5% to 95% @ 113°F (45°C) non-condensing	
Nonoperating	-40°F to 158°F up to 15,000 ft (-40°C to 70°C up to 4.6 km)	
Nonoperating/storage relative humidity	5% to 95% @ 149°F (65°C) non-condensing	
Max operating altitude	Up to 10,000 ft (3 km)	
Max nonoperating	Up to 15,000 ft (4.6 km)	
Primary airflow	Front-to-back	Back-to-front PSU

Electrical characteristics

Frequency	50–60 Hz	
AC voltage	100-127 VAC / 200-240 VAC 100-127 VAC restricted to non-redundant with 2PSUs operation only 200-240 VAC allows full support of redundant and non-redundant operation	
Current	6A (low voltage)–3A (high voltage)	
Power consumption²	Typical**: 1200W	Typical**: 1200W

Notes:

- ²Max measurement is collected under 100% line rate network traffic running, with all ports populated with SFP and QSFP modules. Typical measurement is collected under 50% line rate network traffic running, with all ports populated with SFP and QSFP modules. Idle measurement is collected with no network traffic or modules.
- **Estimated typical power consumption



Technical Specifications

Safety	EU: EN62368-1, Ed.2:2014 EN62368-1, Ed.3:2020 North America: UL62368-1, CSA 22.2 No 62368-1 Worldwide: IEC 62368-1:2014 IEC 62368-1:2018	
EMC	FCC Part 15 Class A, EN55032:2015+AC:2016+A11:20 20 Class A, CISPR-32:2015 Class A	
Management	CLI REST API SNMP HPE Aruba Networking Fabric Composer HPE Aruba Networking Switch Multi-Edit Software HPE Aruba Networking Central. HPE Aruba Networking Central support will come with HPE Aruba Networking Central 2.5.6 (not currently supported) RJ-45 serial USB-C USB console RJ-45 Ethernet port AMD Pensando PSM	
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.	



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 802.3ae 10 Gigabit Ethernet
- IEEE 802.3by 25 Gigabit Ethernet
- IEEE 802.3ba 40 and 100 Gigabit Ethernet Architecture
- 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
- RFC 2934 Protocol Independent Multicast MIB for IPv4

Technical Specifications

- 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
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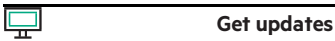
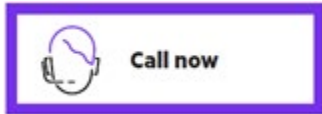
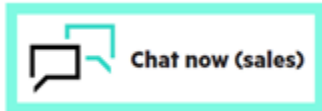


Summary of Changes

Date	Version History	Action	Description of Change
07-Jul-2025	<u>Version 24</u>	Changed	Overview, Standard Features, and Technical Specifications sections were updated to include CX10040 information.
		Added	New SKUs added for CX 10040 in Configuration Information section: S4R54A, S4R55A, S4R56A, S4R57A, J9583B, S4R52A, S4R53A, S4R50A, S4R51A. Also new SKUs for AOS-CX SW were added in Configuration Information section: S6J68AAE, S6J69AAE, S6J70AAE, S6J71AAE, S6J72AAE, S6J73AAE, S6J74AAE, S6J75AAE.
		Removed	SKU deleted: R8S96A
09-Jun-2025	<u>Version 23</u>	Changed	Version links added in Summary of Changes section.
		Added	AOS As-a-Service Software Licenses SKUs were added in Configuration Information section: S0T97AAS, S0T98AAS, S0T99AAS, S3M95AAS, S3M96AAS, S3M97AAS, S0U02AAS, S0U03AAS, S0U04AAS, S3M98AAS, S3M99AAS, S3N00AAS.
03-Mar-2025	<u>Version 22</u>	Changed	Configuration Information section was updated
16-Dec-2024	<u>Version 21</u>	Changed	Overview, Standard Features, Configuration Information and Technical Specifications sections were updated
18-Nov-2024	<u>Version 20</u>	Changed	Overview, Standard Features, Configuration Information and Technical Specifications sections were updated
03-Sep-2024	<u>Version 19</u>	Changed	Configuration Information section was updated
03-Jun-2024	<u>Version 18</u>	Changed	Configuration Information section was updated
06-May-2024	<u>Version 17</u>	Changed	Configuration Information and Technical Specifications sections were updated
01-Apr-2024	<u>Version 16</u>	Changed	Configuration Information section was updated
04-Dec-2023	<u>Version 15</u>	Changed	Series name was updated.
14-Aug-2023	<u>Version 14</u>	Changed	Configuration Information section was updated
10-Jul-2023	<u>Version 13</u>	Changed	Configuration Information section was updated
05-Jun-2023	<u>Version 12</u>	Changed	Configuration Information section was updated
15-May-2023	<u>Version 11</u>	Changed	Configuration Information section was updated
13-Mar-2023	<u>Version 10</u>	Changed	Configuration Information section was updated
06-Feb-2023	<u>Version 9</u>	Changed	Standard Features and Configuration Information sections were updated.
19-Dec-2022	<u>Version 8</u>	Changed	Configuration Information section was updated
05-Dec-2022	<u>Version 7</u>	Changed	Configuration Information section was updated, new SKUs were also added.
07-Nov-2022	<u>Version 6</u>	Changed	Standard Features section was updated.
03-Oct-2022	<u>Version 5</u>	Changed	Configuration Information section was updated.
06-Jun-2022	<u>Version 4</u>	Changed	Standard Features and Configuration Information sections were updated.
07-Feb-2022	<u>Version 3</u>	Changed	Configuration Information section was updated.
10-Jan-2022	<u>Version 2</u>	Changed	Configuration Information section was updated, SKUs were added.
06-Dec-2021	<u>Version 1</u>	New	New QuickSpecs

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