Overview

HPE Aruba Networking CX 6300 Switch Series

The HPE Aruba Networking CX 6300 Switch Series is a modern, flexible, and intelligent family of stackable switches ideal for enterprise network access, aggregation, core, and data center top of rack (ToR) deployments. Created for game- changing operational efficiency with built-in security and resiliency, the HPE Aruba Networking CX 6300 switches provide the foundation for high-performance networks supporting IoT, mobile and cloud applications.

Built from the ground up with a combination of cutting-edge hardware, software and analytics and automation tools, the stackable HPE Aruba Networking CX 6300 switches are part of the HPE Aruba Networking CX switching portfolio, designed for today's enterprise campus, branch and data center networks. By combining a modern, fully programmable OS with the HPE Aruba Network Analytics Engine, the HPE Aruba Networking CX 6300 switches provide industry leading monitoring and troubleshooting capabilities for the access layer.

A powerful HPE Aruba Networking Gen7 ASIC architecture delivers performance and robust feature support with flexible programmability for tomorrow's applications. The HPE Aruba Virtual Stacking Framework (VSF) allows for stacking of up to 10 switches, providing scale and simplified management. This flexible series has built-in wirespeed 1/10/25/50GbE uplinks and supports high density IEEE 802.3bt high power PoE. HPE Smart Rate multi-gigabit Ethernet paves the way for high-speed access points and IoT devices by delivering fast connectivity and high power PoE using existing cabling. Modular models offer redundancy and PoE customization with hot-swappable power supplies and fans. Back-to-front airflow available in switch bundle for hot-cold aisle top-of-rack (TOR) and out-of-band-management (OOBM) data center deployments.

HPE Aruba Networking Dynamic Segmentation extends HPE Aruba Networking's foundational wireless role-based policy capability to HPE Aruba Networking wired switches. What this means is that the same security, user experience and simplified IT management can be enjoyed throughout the network. Regardless of how users and IoT devices connect, consistent policies are enforced across wired and wireless networks, keeping traffic secure and separate.

HPE Aruba Networking CX 6300 Switch Series

Overview

Key Features

- Stackable Layer 3 switches with BGP, EVPN, VXLAN, VRF, and OSPF with robust security and QoS
- High performance 880 Gbps system switching capacity, 660 MPPS of system throughput and up to 200 Gbps stacking bandwidth (400 Gbps at full duplex)
- Compact 1U switches with full density HPE Smart Rate (1G/2.5G/5G/10GbE) multi-gigabit, up to 90W PoE (Class 8) and 10G LRM SFP+ available on select models
- Power-to-port switch bundle with back-to-front airflow ideal for data center 1GbE ToR and OOBM deployments
- Built-in high speed 1/10/25/50GbE uplinks[1]
- 50GbE connectivity with 50GbE DACs[1]
- Intelligent monitoring, visibility, and remediation with HPE Aruba Network Analytics Engine
- Manage via single pane of glass with HPE Aruba Networking Central across wired, wireless, and WAN
- HPE Aruba Networking NetEdit support for automated configuration and verification
- HPE Aruba Networking Dynamic Segmentation enables secure and simple access for users and IoT

Notes: [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.

What's New

- Stackable Layer 3 switches with BGP, EVPN, VXLAN, VRF, and OSPF with robust security and QoS, now supporting MACsec 256, PTP, AVB and LRM.
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- Series includes full density HPE Smart Rate (1/2.5/5/10GbE) multi-gigabit and up to 90W PoE, SFP+ model and switch bundle with power-to-port airflow for data center 1GbE ToR and OOBM deployments.
- Built-in high speed 10/25/40/50/100GbE uplinks (50GbE for DAC connectivity only) with intelligent monitoring and visibility via HPE Aruba Networking Network Analytics Engine.
- Manage via single pane of glass with HPE Aruba Networking Central across wired, wireless, and WAN. Dynamic Segmentation enables enhanced security and simple access for users and IoT.
- HPE Data Center Networking Solution SKU (R9F63A) for HPE integrated and mixed use HPE Compute, HPE Storage and HPE Aruba Networking configuration and deployments.

Standard Features

AOS-CX - A Modern Operating System

The HPE Aruba Networking CX 6300 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 HPE Aruba Networking CX Foundation and HPE Aruba Networking CX Advanced software licenses.

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

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

- HPE 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 HPE Aruba Networking NetEdit

The HPE Aruba Networking CX Advanced license includes HPE Aruba Networking 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 **HPE Aruba Networking 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
- Continuous telemetry data with WebSocket subscriptions for event driven automation
- Continual state synchronization that provides superior fault tolerance and high availability
- 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.

Standard Features

HPE Aruba Networking Central - Unified Single Pane of Glass Management

HPE Aruba Networking Central is an AI-powered solution that simplifies IT operations, improves agility, and reduces costs by unifying management of all network infrastructure. Built for enterprise-grade resiliency and security, while simple enough for smaller businesses with limited IT staff, HPE Aruba Networking Central is your single point of visibility and control that spans the entire network --from branch to data center, wired and wireless LAN to WAN.

Available as a cloud-based or on-premises solution, HPE Aruba Networking Central is designed to simplify day zero through day two operations with streamlined workflows for tasks such as virtual switch stack creation, automated monitoring using AI-powered insights and NAE, as well as a unified view of all devices and users, both wired and wireless. Comprehensive switch management capabilities include configuration, on-boarding, monitoring, troubleshooting, and reporting.

A HPE Aruba Networking Central Foundation license subscription enables comprehensive switch management capabilities that include configuration, onboarding, monitoring, troubleshooting, and reporting. A HPE Aruba Networking Central Advanced license expands these capabilities with premium security and AIOps, including the HPE Aruba Central NetConductor Fabric Wizard and Policy Manager to enable dynamic segmentation and distributed enforcement at a global scale.
With the HPE Aruba Networking 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 HPE Aruba Networking Central licensing, see the **HPE Aruba Networking Central SaaS Subscription Ordering Guide.**

HPE Aruba Networking Network Analytics Engine – Advanced Monitoring and Diagnostics

For enhanced visibility and troubleshooting, HPE Aruba Networking's Network Analytics Engine (NAE) automatically monitors and analyzes events that can impact network health. Advanced telemetry and automation provide the ability to easily identify and troubleshoot networks, system, application, and security related issues easily, using python agents, CLI-based 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.

HPE Aruba NetEdit – Automated Switch Configuration and Management

The entire HPE Aruba Networking CX portfolio empowers IT teams to orchestrate multiple switch configuration changes for smooth end-to-end service rollouts. HPE Aruba Networking NetEdit introduces automation that allows for rapid network-wide changes and ensures policy conformance post network updates. Intelligent capabilities include search, editing, 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 change analysis
- Automated large-scale configuration deployment without programming
- Network health and topology visibility via HPE Aruba Networking NAE integration

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

HPE Aruba Networking CX Mobile App – True Deployment Convenience

An easy-to-use mobile app simplifies connecting and managing HPE Aruba Networking CX 6300 Switch Series for any size project. Switch information can also be imported into HPE Aruba Networking NetEdit for simplified configuration management and to continuously validate the conformance of configurations anywhere in the network. The HPE Aruba Networking CX Mobile App is available for download.

Standard Features

HPE Aruba Networking ASICs - Programmable Innovation

Based on over 30 years of continuous investment, HPE Aruba Networking's ASICs create the basis for innovative and agile software feature advancements, unparalleled performance, and deep visibility. These programmable ASICs are purpose-built to allow for a tighter integration of switch hardware and software within campus and data center architectures to optimize performance and capacity. Virtual

Output Queuing (VOQ) isolates congestion prevents Head of Line Blocking (HOLB) and allows full line rate on outgoing (egress) ports. Flexible ASIC resources enable HPE Aruba Networking's NAE solution to inspect all data, which allows for industry-leading analytics capabilities. The HPE Aruba Networking CX 6300 Switch Series is based on the HPE Aruba Networking Gen7 ASIC architecture.

HPE Aruba Networking Dynamic Segmentation – Campus and Branch Fabric

The HPE Aruba Networking Dynamic Segmentation solution enables seamless mobility, consistent policy enforcement, and automated configurations for wired and wireless clients across networks of all sizes. And it extends these benefits to applications hosted on the data center and the public cloud.

This innovation begins with colorless ports and role-based micro-segmentation technologies. Colorless ports allow wired clients to connect to any switch port, with the configuration automated using Radius-Based Access Control. This eliminates the need for manual on-boarding of clients, including IoT devices, onto the network.

Role-based micro-segmentation delivers benefits of reduced subnet and VLAN sprawl, simplified policy definition, and scales policy enforcement by introducing the concept of client User Roles. These roles are independent of network constructs such as VLANs and VRFs and allows clients to be grouped into a User Role based on their identity. This allows the colorless ports technology to be extended to the overlay fabric, as clients are on-boarded with automatic tunnel creation based on the associated User Role policy. The User Role policy also offers the choice between micro-segmentation with a Layer 4 Role-Role ACL on switches or a Layer 7 stateful firewall enforcement.

Dynamic Segmentation provides much needed scale and flexibility in network design by allowing the stretching of VLANs and subnets across the entire network. Fabric overlays offer VXLAN or VXLAN-GBP tunnels on the data plane and provide the option of a Multi-Protocol BGP eVPN control plane for large deployments, or a static Layer 2 control plane for simplified deployments.

Dynamic Segmentation also eliminates the complexity of service-chaining and redirection of traffic to 3rd party firewalls. User Role Policy can steer client's traffic on overlay tunnels (User Based Tunnels) to HPE Aruba Networking's Policy Enforcement Firewall for deep-packet inspection and application aware Layer 7 stateful firewall filtering. After performing this stateful inspection for any security threats, the traffic is automatically put back on the VXLAN fabric to be delivered to its destination.

Mobility and IoT Performance

The HPE Aruba Networking CX 6300 Switch Series uses a fully distributed architecture that utilizes the HPE Aruba Networking Gen7 ASICs. This ensures that our switches offer very low latency, increased packet buffering, and adaptive power consumption. All switching and routing are wire-speed to meet the demands of bandwidth-intensive applications today and in the future.

Each switch includes the following:

- Up to 880 Gbps in non-blocking bandwidth and up to 660 Mpps for forwarding
- 1/10/25/50GbE uplinks[1] and large TCAM sizes ideal for mobility and IoT deployments in large campuses with several thousand clients
- Selectable queue configurations that allow for increased performance by defining a number of queues and associated memory buffering to best meet the requirements of network applications

Notes: [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.

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VSF Stacking - Scale and Simplicity

The HPE Aruba Networking Virtual Switching Framework (VSF) allows you to quickly grow your network using high performance front plane stacking. Additional features include:

- Support for up to 10 switches (or members) in a stack via chain or ring topology
- Flexibility to create stacks that span longer distances such as hundreds of meters across campuses to kilometers between sites using long-range 10GbE/25GbE transceivers
- Flexibility to mix both modular and fixed HPE Aruba Networking CX 6300 Switch Series models within a single stack to meet your deployment requirements
- Simplified configuration and management as the switches act as a single chassis when stacked
- Support for in-service software upgrades (ISSU) for standalone and VSF stacked HPE Aruba Networking CX 6300 switches
- The HPE Aruba Networking CX Mobile app provides support for a validated stack deployment that ensure that all stack links and uplinks are connected properly

Quality Of Service (Qos) Features

To support congestion actions and traffic prioritization, the HPE Aruba Networking CX 6300 Switch Series includes the following:

- Strict priority (SP) queuing and Deficit Weighted Round Robin (DWRR)
- Traffic prioritization (IEEE 802.1p) for real-time classification into 8 priority levels that are mapped to 8 queues
- Layer 4 prioritization based on TCP/UDP port numbers
- Class of Service (CoS) sets the IEEE 802.1p priority tag based on IP address, IP Type of Service (ToS), Layer 3 protocol, TCP/UDP port number, source port, and DiffServ
- Rate limiting sets per-port ingress enforced maximums and per-port, per-queue minimums
- Transmission rates of egressing frames can be limited on a per-queue basis using Egress Queue Shaping (EQS)
- Large buffers for graceful congestion management

A HPE Aruba Networking CX 6300 Switch Series Switch for Any Enterprise Environment

Whether in the branch office or a small to large enterprise environment, you can choose from 24 and 48 ports of HPE Smart Rate Multi-Gigabit. Each switch includes four high-speed built-in uplinks that auto-negotiate from 1GbE, 10GbE to 50GbE[1] to deliver non-blocking performance. Fixed format (F) models include built-in power supplies. The modular (M) models have rear slots for hot swappable power supplies that allow you to customize your PoE requirements, and its fans are field replaceable. Additional highlights:

- Compact 1U models support:
  - 24 and 48 ports of HPE Smart Rate Multi-gigabit Ethernet IEEE 802.3bz (100M/1GbE/2.5GbE/5GbE/10GbE) supporting high power IEEE 802.3bt Class 6 (60W) to Class 8 (90W)
  - High density 24 port SFP+ model which is ideal for aggregation
  - 1/10/25/50GbEuplink[1] port connectivity
- HPE Smart Rate Multi-Gigabit (IEEE 802.3bz) Ethernet supports high speed wireless access points
- For deployments that need higher port and PoE density, the 6300 supports up to 90W of PoE in a 48-port switch for a total of 2880W of PoE.
- Industry standard IEEE 802.3bt High Power PoE support (Class 8) provides up to 90W per port for support of the latest IoT devices and APs. PoE support for IEEE 802.3at Power over Ethernet (PoE+) provides up to 30W per port as well as any IEEE 802.3af-compliant end device
- Support for pre-standard PoE detection provides power to legacy PoE devices
- High availability with always-on PoE that supplies PoE power even during scheduled reboots and firmware upgrades
- Quick PoE supplies PoE power to powered devices as soon as the switch is plugged into AC power so device can initialize at the same time as the switch OS boots up
- Support for Energy Efficient Ethernet IEEE 802.3az reduces power consumption during periods of low network traffic
- Support for top-of-rack (ToR) and out-of-band management (OOBM) data center deployments with HPE Aruba Networking CX 6300M power-to-port bundle that delivers required power-to-port (back to front) airflow
- Auto-MDIX provides automatic adjustments for straight-through or crossover cables on all 10M/100M/1G and Smart Rate ports
- Unsupported Transceiver Mode (UTM) allows to insert and enable all unsupported 1/10/25/50GbE transceivers and

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cables. Note that there is no warranty nor support for the transceiver/cable when this feature is used.

- IPv6 capabilities include:
  - IPv6 host enables switches to be managed in an IPv6 network
  - Dual stack (IPv4 and IPv6) transitions from IPv4 to IPv6, supporting connectivity for both protocols
  - MLD snooping forwards IPv6 multicast traffic to the appropriate interface
  - IPv6 ACL/QoS supports ACL and QoS for IPv6 network traffic
  - IPv6 routing supports Static and OSPFv3 protocols
  - Security provides RA guard, DHCPv6 protection, dynamic IPv6 lockdown, ND snooping, IPv6 Destination Guard, IPv6 DHCP Guard, and IPv6 Router Advertisement Guard
- Jumbo frames allow for high-performance backups and disaster-recovery systems; provides a maximum frame size of 9198 bytes
- Packet storm protection against broadcast and multicast storms with user-defined thresholds
- Smart link enables simple, fast converging link redundancy and load balancing with dual uplinks avoiding Spanning Tree complexities

Notes: [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.

High Availability and Resiliency

To ensure a high degree of up-time we offer high availability and multicast features needed for a full Layer 3 deployment at access and aggregation such as PBR, BFD, MSDP, BSR, and IP SLA without the need for software licenses. This includes:

- Hot Swappable Power Supplies available in the HPE Aruba Networking CX 6300 “M” models
  - Provides N+1 and N+N redundancy for high reliability in the event of power line or supply failures
  - Optional secondary power supplies to increase the total available PoE power
  - Fixed power supplies in HPE Aruba Networking CX 6300 “F” models
- Bidirectional Forward Detection (BFD) enables sub-second failure detection for rapid routing protocol re-balancing, supporting both IPV4 and IPv6 networks.
- Virtual Router Redundancy Protocol (VRRP) allows groups of two routers to dynamically create highly available routed environments in IPV4 and IPV6 networks
- Uni-directional Link Detection (UDLD) to monitor link connectivity and shut down ports at both ends if uni- directional traffic is detected, preventing loops in STP- based networks
- EEE 802.3ad LACP supports up to 256 LAGs, each with up to 8 links per LAG; and provides support for static or dynamic groups and a user-selectable hashing algorithm
- IEEE 802.1s Multiple Spanning Tree provides high link availability in VLAN environments where multiple spanning trees are required; and legacy support for IEEE 802.1d and IEEE 802.1w
- IEEE 802.3ad link-aggregation-control protocol (LACP) and port trunking support static and dynamic trunks where each trunk supports up to eight links (ports) per static trunk
- Support for Microsoft Network Load Balancer (NLB) for server applications
- Ethernet Ring Protection Switching (ERPS) supports rapid protection and recovery in a ring topology.
- Hot-Patching support and ISSU for standalone HPE Aruba Networking CX 6300 and for HPE Aruba Networking CX 6300 with VSF Stacking

HPE Aruba Networking CX 6300M Bundle for Data Centers

The HPE Aruba Networking CX 6300M 48 port power-to-port switch bundle serves as a top of rack (ToR) switch for 1GbE servers and also as a 1GbE out-of-band management (OOBM) switch for data centers server racks. Features include:

- Power-to-port bundle (JL762A) includes 48 port 1GbE switch with 2 x Fan Trays (JL761A) and 1 x power supply (JL760A)
- Back (power-side)-to-front (1GbE port side) airflow
- 1GbE/10GbE/25GbE/50GbE[1] SFP uplinks

Notes: [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.

Standard Features

Simplified Configuration and Management

In addition to HPE Aruba Networking Central, the HPE Aruba Networking CX Mobile App, HPE Aruba Networking NetEdit and HPE Aruba Network Analytics Engine, the HPE Aruba Networking CX 6300 series offers the following:

- Built-in programmable and easy to use REST API interface
- HPE Aruba Networking AirWave on-premises and HPE Aruba Networking Central cloud- based management
- Zero-Touch Provisioning (ZTP) simplifies installation of switching infrastructure using DHCP-based or HPE Aruba Networking Activate-based process with HPE Aruba Networking AirWave and HPE Aruba Networking Central
- Scalable ASIC-based wire speed network monitoring and accounting with no impact on network performance; network operators can gather a variety of network statistics and information for capacity planning and real- time network monitoring purposes
- Management interface control enables or disables each of the following depending on security preferences, console port, or reset button
- Industry-standard CLI with a hierarchical structure for reduced training time and expense. Delivers increased productivity in multivendor environments
- Management security restricts access to critical configuration commands, provides multiple privilege levels with password protection and local and remote syslog capabilities allow logging of all access
- SNMP v2c/v3 provides SNMP read and trap support of industry standard Management Information Base (MIB), and private extensions
- SNMP support includes: Write Set Speed and Duplex, Write Port Security, Write POE Priority, Write Config Mgmt, SNMP-Read single OID for average CPU and memory, SNMP MIB View
- SNMP Trap include: Transceiver Traps (insertion/removal), SNMP Trap, SNMP MIB-SNMB Authentication, SNMPv2 MIB, Port Sec MIB-Port Sec, Config MIB-Running Config Change, Config MIB, AAA Server MIB, AAA Server State
- Remote monitoring (RMON) with standard SNMP to monitor essential network functions. Supports events, alarms, history, and statistics groups as well as a private alarm extension group; RMON and sFlow provide advanced monitoring and reporting capabilities for statistics, history, alarms and events
- IP Flow Information Export (IPFix) enables client flow information collection to enhance visibility
- Simplifies configuration while onboarding switches with Zero Touch Provisioning by using Dynamic Border Gateway Protocol (BGP) peering to establish a peer group of switches within an IP range
- Enhanced visibility during client onboarding, providing insights on latency, failures, and error events
- Client telemetries and application visibility using IP Flow Information Export (IPFix), Deep Packet Inspection (DPI) and traffic insights
- Simplifies configuration while onboarding switches with Zero Touch Provisioning by using Dynamic Border Gateway Protocol (BGP) peering to establish a peer group of switches within an IP range
- Enhanced visibility during client onboarding, providing insights on latency, failures, and error events
- 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 so the devices can provide diverse applications based on the consistent time
- 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
- Dual flash images provides independent primary and secondary operating system files for backup while upgrading
- Assignment of descriptive names to ports for easy identification
- Multiple configuration files can be stored to a flash image
- Ingress and egress port monitoring enable more efficient network problem solving
- Unidirectional link detection (UDLD) monitors the link between two switches and blocks the ports on both ends of the link if the link goes down at any point between the two devices
- Power down mode delivers energy savings by allowing the switch to power down most of the switch, except a clock which will boot up the switch when scheduled
- IP SLA for Voice monitors quality of voice traffic using the UDP Jitter and UDP Jitter for VoIP tests

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- Precision Time Protocol (PTP) allows for precise clock synchronization across distributed network switches as defined in IEEE 1588. Transparent Clock (PTP-TC) and Boundary Clock (PTP-BC) are needed for time critical applications like Audio Video Bridging (AVB), smart grid power automation, financial systems and more. Boundary Clock makes use of 2-Step time stamping mode.

Layer 2 Switching

The following layer 2 services are supported:

- VLAN support and tagging for IEEE 802.1Q (4094 VLAN IDs)
- Jumbo packet support improves the performance of large data transfers; supports frame size of up to 9198 bytes
- IEEE 802.1v protocol VLANs isolate select non-IPv4 protocols automatically into their own VLANs
- Rapid Per-VLAN Spanning Tree (RPVST+) allows each VLAN to build a separate spanning tree to improve link bandwidth usage; is compatible with PVST+
- MVRP allows automatic learning and dynamic assignment of VLANs
- VXLAN encapsulation (tunnelling) protocol for overlay network that enables a more scalable virtual network deployment
- Bridge Protocol Data Unit (BPDU) tunnelling Transmits STP BPDUs transparently, allowing correct tree calculations across service providers, WANs, or MANs
- Port mirroring duplicates port traffic (ingress and egress) to a monitoring port; supports 4 mirroring groups
- 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)
- Internet Group Management Protocol (IGMP) Controls and manages the flooding of multicast packets in a Layer 2 network
- IPv4 Multicast in VXLAN/EVPN Overlay support allows PIM-SM/IGMP snooping in the VXLAN Overlay
- IPv6 VXLAN/EVPN Overlay support, allows IPv6 traffic over the VXLAN overlay
- VXLAN ARP/ND suppression allows minimization of ARP and ND traffic flooding within individual VXLAN segments, thus optimizing the VXLAN network
- QinQ support to improve the VLAN utilization by adding another 802.1Q tag to tagged packets

Layer 3 Services

The following layer 3 services are supported:

- Bidirectional Forwarding Detection (BFD) enables link connectivity monitoring and reduces network convergence time for static route, OSPFv2 and VRRP
- User Datagram Protocol (UDP) helper function allows UDP broadcasts to be directed across router interfaces to specific IP unicast or subnet broadcast addresses and prevents server spoofing for UDP services such as DHCP
- Loopback interface address defines an address in Open Shortest Path First (OSPF), improving diagnostic capability
- Route maps provide more control during route redistribution; allow filtering and altering of route metrics
- 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
- Dynamic Host Configuration Protocol (DHCP) simplifies the management of large IP networks and supports client; DHCP Relay enables DHCP operation across subnets
- DHCP server centralizes and reduces the cost of IPv4 address management
- Domain Name System (DNS) provides a distributed database that translates domain names and IP addresses, which simplifies network design; supports client and server
- mDNS (Multicast Domain Name System) Gateway enables discovery of mDNS groups across L3 boundaries
- Generic Routing Encapsulation (GRE) enables tunneling traffic from site-to-site over a Layer 3 path
- 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
- IP sub-interface is a virtual interface created by dividing physical interface into multiple logical interfaces tagged using different VLAN-IDs. A physical interface can be a regular physical, Split port or LAG L3 interface. A sub-interface is used for many uses-cases such as VRF-lite interconnection and inter-vlan routing (router on-a-stick)

Standard Features

Multicast

- IGMP Snooping allows multiple VLANs to receive the same IPv4 multicast traffic, lessening network bandwidth demand by reducing multiple streams to each VLAN
- Multicast Listener Discovery (MLD) enables discovery of IPv6 multicast listeners; support MLD v1 and v2
- Protocol Independent Multicast (PIM) defines modes of IPv4 and IPv6 multicasting to allow one-to-many and many-to-many transmission of information; supports PIM Sparse Mode (SM), Source-Specific Multicast (SSM), and Dense Mode (DM) for both IPv4 and IPv6
- Internet Group Management Protocol (IGMP) utilizes Any-Source Multicast (ASM) to manage IPv4 multicast networks; supports IGMPv1, v2, and v3
- Multicast Service Discovery Protocol (MSDP) efficiently routes multicast traffic through core networks
- MSDP for Anycast RP is an intra-domain feature that provides redundancy and load-sharing capabilities

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 HPE Aruba Networking 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

The HPE Aruba Networking CX 6300 Switch Series comes with an integrated trusted platform module (TPM) for platform integrity. This ensures the boot process started from a trusted combination of HPE Aruba Networking AOS-CX switches. Other security features include:

- AOS-CX uses FIPS 140-2 validated cryptography for protection of sensitive information.
- Access control list (ACL) support for both IPv4 and IPv6; allows for filtering traffic to prevent unauthorized users from accessing the network, or for controlling network traffic to save resources; rules can either deny or permit traffic to be forwarded; rules can be based on a Layer 2 header or a Layer 3 protocol header
- ACLs also provide filtering based on the IP field, source/ destination IP address/subnet, and source/ destination TCP/UDP port number on a per-VLAN or per-port basis
- Enrollment over Secure Transport (EST) enables secure certificate enrollment, allowing for easier enterprise management of PKI
- Remote Authentication Dial-In User Service (RADIUS)
- Terminal Access Controller Access-Control System (TACACS+) delivers an authentication tool using TCP with encryption of the full authentication request, providing additional security
- Management access security for both on- and off- box authentication for administrative access. RADIUS or TACACS+ can be used to provide encrypted user authentication. Additionally, TACACS+ can also provide admin authorization services
- Control Plane Policing sets rate limit on control protocols to protect CPU overload from DOS attacks
- Supports multiple user authentication methods. Uses an IEEE 802.1X supplicant on the client in conjunction with a RADIUS server to authenticate in accordance with industry standards
- Supports MAC-based client authentication
- Concurrent IEEE 802.1X, Web, and MAC authentication schemes per switch port accepts up to 32 sessions of IEEE 802.1X, Web, and MAC authentications
- DHCP protection blocks DHCP packets from unauthorized DHCP servers, preventing denial-of-service attacks
- Secure management access delivers secure encryption of all access methods (CLI, GUI, or MIB) through SSHv2, SSL, and/or SNMPv3
- Switch CPU protection provides automatic protection against malicious network traffic trying to shut down the switch
- ICMP throttling defeats ICMP denial-of-service attacks by enabling any switch port to automatically throttle ICMP traffic
- Identity-driven ACL enables implementation of a highly granular and flexible access security policy and VLAN assignment specific to each authenticated network user
- STP BPDU port protection blocks Bridge Protocol Data Units (BPDUs) on ports that do not require BPDUs, preventing forged BPDU attacks
- Dynamic IP lockdown works with DHCP protection to block traffic from unauthorized hosts, preventing IP source address spoofing

Standard Features

- Dynamic ARP protection blocks ARP broadcasts from unauthorized hosts, preventing eavesdropping or theft of network data
- STP root guard protects the root bridge from malicious attacks or configuration mistakes
- Port security allows access only to specified MAC addresses, which can be learned or specified by the administrator
- MAC address lockout prevents particular configured MAC addresses from connecting to the network
- Source-port filtering allows only specified ports to communicate with each other
- Secure shell encrypts all transmitted data for secure remote CLI access over IP networks
- Secure Sockets Layer (SSL) encrypts all HTTP traffic, allowing secure access to the browser-based management GUI in the switch
- Secure FTP allows secure file transfer to and from the switch; protects against unwanted file downloads or unauthorized copying of a switch configuration file
- Critical Authentication Role ensures that important infrastructure devices such as IP phones are allowed network access even in the absence of a RADIUS server
- MAC Pinning allows non-chatty legacy devices to stay authenticated by pinning client MAC addresses to the port until the clients logoff or get disconnected
- Security banner displays a customized security policy when users log in to the switch
- RadSec enables RADIUS authentication and accounting data to be passed safely and reliably across insecure networks
- 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.
- Auto VLAN Creation automates VLAN creation on access switches for authenticated clients.
- DHCP smart relay allows the DHCP relay agent to use secondary IP addresses when the DHCP server does not reply the DHCP-OFFER message
- IEEE 802.1AE MACsec provides switch-to-switch and switch-to-host security on a link between two ports using standard encryption and authentication, available on uplink and downlink ports

Layer 3 Routing

The following layer 3 routing services are supported:

- Border Gateway Protocol (BGP) provides IPv4 and IPv6 routing, which is scalable, robust, and flexible
- 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 with graceful restart capability
- Equal-Cost Multipath (ECMP) enables multiple equal-cost links in a routing environment to increase link redundancy and scale bandwidth
- Multi-protocol BGP (MP-BGP) enables sharing of IPv6 routes using BGP and connections to BGP peers using IPv6
- Routing Information Protocol version 2 (RIPv2) provides an easy to configure routing protocol for small networks as while RIPng provides support for small IPv6 networks
- 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
- OSPF provides OSPFv2 for IPv4 routing and OSPFv3 for IPv6 routing
- Static IP routing provides manually configured routing; includes ECMP capability
- Policy-based routing uses a classifier to select traffic that can be forwarded based on policy set by the network administrator
- Static IPv4 and IPv6 routing provides simple manually configured IPv4 and IPv6 routes
- 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
- 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

Standard Features

Convergence

- IP multicast routing includes PIM Sparse, Source Specific Multicast, and Dense modes to route IP multicast traffic
- IP multicast snooping (data-driven IGMP) prevents flooding of IP multicast traffic
- Protocol Independent Multicast for IPv6 supports one-to- many and many-to-many media casting use cases such as IPTV over IPv6 networks
- LLDP-MED (Media Endpoint Discovery) defines a standard extension of LLDP that stores values for parameters such as QoS and VLAN to automatically configure network devices such as IP phones
- PoE allocations supports multiple methods (allocation by usage or class, with LLDP and LLDP-MED) to allocate PoE power for more efficient power management and energy savings.
- Auto VLAN configuration for voice RADIUS VLAN uses a standard RADIUS attribute and LLDP-MED to automatically configure a VLAN for IP phones
- CDPv2 uses CDPv2 to configure legacy IP phones

Additional information

- Green initiative support for RoHS (EN 50581:2012) and WEEE regulations
- TAA compliant models available

Customer First, Customer Last Support

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

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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 Software Releases and Documentation, refer to **https://asp.arubanetworks.com/downloads**
- For more detailed information on HPE Aruba Networking AOS-CX software release and features, please visit the **AOS-CX Switch Software Documentation Portal**
- Explore and compare switch features for each platform and software release on the **HPE Aruba Networking Switch Feature Navigator**
- For support and services information, visit **https://www.arubanetworks.com/support-services/arubacare/**

Configuration Information

BTO Models

HPE Aruba Networking CX 6300M

Rule #	Description	SKU
1, 2, 3, 4, 6, 8	Aruba 6300M 24-port SFP+ and 4-port SFP56 Switch • HPE Aruba Networking 6300M 24-port SFP+ and 4-port SFP56 Switch • Must Select PSU Min1 / Max2 (250W JL085A, 250W JL757A) Mix OK • Includes Fantrays Min2 / Max 2 (JL669B) • Min=0 \ Max= 24 SFP/SFP+ 100M/1/10G Transceivers • Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G+I43+I69:I76+I69:I80+I43+I69:I69:I104	JL658A
5, 8, 9, 11, 12, 13, 14	HPE Aruba Networking 6300M 48p SR10 1G/2.5G/5G/10G PTP/AVB Class8 PoE and 4p 100G MACsec Switch • Aruba 6300M 48p SR10 1G/2.5G/5G/10G PTP/AVB Class 8 PoE and 4p 100G MACsec Switch • Must Select PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A, 1050W JL758A) Mix OK • Includes Fantrays Min2 / Max 2 (JL669B) • Min=0 \ Max = 4 QSFP56 50G Transceiver • QSA28 Adapter Min=0 \ Max=4, ports 49-52 (rule11) • 1U - Height	S0E91A
1, 2, 3, 4, 8	Aruba 6300M 48-port HPE Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch • HPE Aruba Networking 6300M 48-port HPE Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch • Must Select PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A, 1050W JL758A) Mix OK • Includes Fantrays Min2 / Max 2 (JL669B) • Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver • 1U - Height	JL659A
2, 3, 4, 8	Aruba 6300M 48p HPE Smart Rate 1G/2.5G/5G Class8 PoE and 2p 50G and 2p 25G Switch • HPE Aruba Networking 6300M 48p HPE Smart Rate 1G/2.5G/5G CL8 PoE and 2p 50G and 2p 25G Switch • Must Select PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A, 1050W JL758A) Mix OK • Includes Fantrays Min2 / Max 2 (JL669B) • Min=0 \ Max = 2 SFP+/SFP28 10/25 Transceiver (Ports 49/50) • Min=0 \ Max = 2 SFP+/SFP28/SFP56 10/25/50G Transceiver (Ports 51/52) • 1U - Height	R8S90A
1, 2, 3, 4, 8	Aruba 6300M 24-port HPE Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch • HPE Aruba Networking 6300M 24-port HPE Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch • Must Select PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A, 1050W JL758A) Mix OK • Includes 1 Fan tray (JL669B), with 1 open slot with blank cover • Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver • 1U - Height	JL660A
2, 3, 4, 8	Aruba 6300M 24p HPE Smart Rate 1G/2.5G/5G/10G Class6 PoE and 2p 50G and 2p 25G Switch • HPE Aruba Networking 6300M 24p HPE Smart Rate 1G/2.5G/5G/10G CL6 PoE and 2p 50G and 2p 25G Switch	R8S89A

Configuration Information

- Must Select PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A, 1050W JL758A) Mix OK
- Includes Fantrays Min2 / Max 2 (JL669B)
- Min=0 \ Max = 2 SFP+/SFP28 10/25 Transceiver (Ports 25/26)
- Min=0 \ Max = 2 SFP+/SFP28/SFP56 10/25/50G Transceiver (Ports 27/28)
- 1U - Height

1, 2, 3, 4, 8 Aruba 6300M 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch JL661A

- HPE Aruba Networking 6300M 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch
- Must Select PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A, 1050W JL758A) Mix OK
- Includes 1 Fan tray (JL669B), with 1 open slot with blank cover
- Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver
- 1U - Height

1, 2, 3, 4, 7, 8 Aruba 6300M 12p Class8 PoE and 36p Class6 PoE HPE Smart Rate 1G/2.5G/5G and 2p 50G and 2p 10G Switch R8S91A

- HPE Aruba Networking 6300M 12p Class8 PoE and 36p Class6 PoE HPE Smart Rate 1G/2.5G/5G and 2p 50G and 2p 25G Switch
- Must Select PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A, 1050W JL758A) Mix OK
- Includes Fantrays Min2 / Max 2 (JL669B)
- Min=0 \ Max = 2 SFP+ 10/25/50G Transceiver (LRM Suported) (Ports 49/50)
- Min=0 \ Max = 2 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver (Ports 51/52)
- 1U - Height

1, 2, 3, 4, 8 Aruba 6300M 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch JL662A

- HPE Aruba Networking 6300M 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch
- Must Select PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A, 1050W JL758A) Mix OK
- Includes 1 Fan tray (JL669B), with 1 open slot with blank cover
- Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver
- 1U - Height

1, 2, 3, 4, 7, 8 Aruba 6300M 24p SFP+ LRM support and 2p 50G and 2p 25G MACSec Switch R8S92A

- HPE Aruba Networking 6300M 24p SFP+ LRM support and 2p 50G and 2p 25G MACsec Switch
- Must Select PSU Min1 / Max2 (250W JL085A, 250W JL757A) Mix OK
- Includes Fantrays Min2 / Max2 (JL669B)
- Min=0 \ Max = 24 SFP/SFP+ Transceiver (LRM Supported Ports 1-24)
- Min=0 \ Max = 2 SFP+/SFP28 10/25/50G Transceiver (Ports 25/26)
- Min=0 \ Max = 2 SFP+/SFP28/SFP56 10/25/50G Transceiver (Ports 27/28)
- 1U - Height

1, 2, 3, 4, 8 Aruba 6300M 48-port 1GbE and 4-port SFP56 Switch JL663A

- HPE Aruba Networking 6300M 48-port 1GbE and 4-port SFP56 Switch
- Must Select PSU Min1 / Max2 (250W JL085A, 250W JL757A) Mix OK
- Includes 1 Fan tray (JL669B), with 1 open slot with blank cover
- Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver (Ports 25/26)
- 1U - Height

1, 2, 3, 4, 8 Aruba 6300M 24-port 1GbE and 4-port SFP56 Switch JL664A

- HPE Aruba Networking 6300M 24-port 1GbE and 4-port SFP56 Switch
- Must Select PSU Min1 / Max2 (250W JL085A, 250W JL757A) Mix OK
- Includes 1 Fan tray (JL669B), with 1 open slot with blank cover

Configuration Information

- Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver
- 1U - Height

1, 2, 3, 4, 5, 8 Aruba 6300M 48-port 1GbE and 4-port SFP56 Power-to-Port 2 Fan Trays 1 PSU Bundle JL762A

- HPE Aruba Networking 6300M 48-port 1GbE and 4-port SFP56 Power-to-Port 2 Fan Trays 1 PSU Bundle
- Includes 1 Pwr2Prt PSU, can select Min0 / Max1 (250W JL760A)
- Includes 2 Pwr2Prt Fan trays (JL761A), with no open slots
- Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver
- 1U - Height

Aruba 6300M 48-port 1GbE and 4-port SFP56 Power-to-Port 2 Fan Trays 1 PSU Bundle JL762A#B2B

- C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A)

Aruba 6300M 48-port 1GbE and 4-port SFP56 Power-to-Port 2 Fan Trays 1 PSU Bundle JL762A#B2C

- C13 PDU Jumper Cord (ROW) (J9944A)

Aruba 6300M 48-port 1GbE and 4-port SFP56 Power-to-Port 2 Fan Trays 1 PSU Bundle JL762A#B2E

- HPE 2.5m C15 to NEMA 6-20P Pwr. Cord (JL336A)

Aruba 6300M 48-port 1GbE and 4-port SFP56 Power-to-Port 2 Fan Trays 1 PSU Bundle JL762A#AC3

- No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)

HPE Aruba Networking CX 6300M TAA

5, 8, 9, 11, 12, 13, 14 HPE Aruba Networking 6300M 48p SR10 1G/2.5G/5G/10G PTP/AVB Class8 PoE 4p 100G MACsec TAA Switch S0X44A

- Aruba 6300M 48p SR10 1G/2.5G/5G/10G PTP/AVB Class 8 PoE and 4p 100G MACsec TAA Switch
- Must Select PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A, 1050W JL758A) Mix OK
- Includes Fantrays Min2 / Max 2 (JL669B)
- Min=0 \ Max = 4 QSFP+/QSFP56/QSFP28 50G Transceiver
- QSA28 Adapter Min=0 \ Max=4, ports 49-52 (rule11)
- 1U - Height

HPE Aruba Networking CX 6300F

Rule #	Description	SKU
1, 2, 3, 4, 5, 8	Aruba 6300F 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch	JL665A

- Includes Non-Pluggable, Internal PSU behind sheetmetal Chassis Frame
- Includes Non-Pluggable, Internal Fans behind sheetmetal Chassis Frame
- Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver
- 1U - Height

Aruba 6300F 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch PDU JL665A#B2B

- C15 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A)

Aruba 6300F 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch PDU JL665A#B2C

- C15 PDU Jumper Cord (ROW) (J9944A)

Aruba 6300F 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch 220v JL665A#B2E

- HPE 2.5m C15 to NEMA 6-20P Pwr. Cord (JL336A)

Aruba 6300F 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch No Loc JL665A#AC3

- No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)

Configuration Information

1, 2, 3, 4, 5, 8	Aruba 6300F 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch • Includes Non-Pluggable, Internal PSU behind sheetmetal Chassis Frame • Includes Non-Pluggable, Internal Fans behind sheetmetal Chassis Frame • Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver • 1U - Height	JL666A
	Aruba 6300F 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch PDU • C15 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A)	JL666A#B2B
	Aruba 6300F 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch PDU • C15 PDU Jumper Cord (ROW) (J9944A)	JL666A#B2C
	Aruba 6300F 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch 220v • HPE 2.5m C15 to NEMA 6-20P Pwr. Cord (JL336A)	JL666A#B2E
	Aruba 6300F 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch No Loc • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	JL666A#AC3
1, 2, 3, 4, 5, 8	Aruba 6300F 48-port 1GbE and 4-port SFP56 Switch • Includes Non-Pluggable, Internal PSU behind sheetmetal Chassis Frame • Includes Non-Pluggable, Internal Fans behind sheetmetal Chassis Frame • Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver • 1U - Height	JL667A
	Aruba 6300F 48-port 1GbE and 4-port SFP56 Switch PDU • C13 PDU Jumper Cord (NA/MEX/TW/JP)	JL667A#B2B
	Aruba 6300F 48-port 1GbE and 4-port SFP56 Switch PDU • C13 PDU Jumper Cord (ROW)	JL667A#B2C
	Aruba 6300F 48-port 1GbE and 4-port SFP56 Switch 220v • HPE 2.3m C13 to NEMA 6-15P Pwr. Cord (J9936A)	JL667A#B2E
	Aruba 6300F 48-port 1GbE and 4-port SFP56 Switch No Loc • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	JL667A#AC3
1, 2, 3, 4, 5, 8	Aruba 6300F 24-port 1GbE and 4-port SFP56 Switch • Includes Non-Pluggable, Internal PSU behind sheetmetal Chassis Frame • Includes Non-Pluggable, Internal Fans behind sheetmetal Chassis Frame • Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver • 1U - Height	JL668A
	Aruba 6300F 24-port 1GbE and 4-port SFP56 Switch PDU • C13 PDU Jumper Cord (NA/MEX/TW/JP)	JL668A#B2B
	Aruba 6300F 24-port 1GbE and 4-port SFP56 Switch PDU • C13 PDU Jumper Cord (ROW)	JL668A#B2C
	Aruba 6300F 24-port 1GbE and 4-port SFP56 Switch 220v • HPE 2.3m C13 to NEMA 6-15P Pwr. Cord (J9936A)	JL668A#B2E
	Aruba 6300F 24-port 1GbE and 4-port SFP56 Switch No Loc • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	JL668A#AC3

Configuration Information

Rule #	Configuration Rules Description	SKU
1	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	Aruba 1G SFP LC SX 500m OM2 MMF Transceiver	J4858D
	Aruba 1G SFP LC LX 10km SMF Transceiver	J4859D
	Aruba 1G SFP LC LH 70km SMF Transceiver	J4860D
	Aruba 1G SFP RJ45 T 100m Cat5e Transceiver	J8177D
	Aruba 1G SFP LC SX 500m MMF TAA Transceiver	JL745A
	Aruba 1G SFP LC LX 10km SMF TAA Transceiver	JL746A
	Aruba 1G SFP RJ45 T 100m Cat5e TAA Transceiver	JL747A
2	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	Aruba 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver	JL563B
	Aruba 10G SFP+ LC SR 300m OM3 MMF Transceiver	J9150D
	Aruba 10G SFP+ LC LR 10km SMF Transceiver	J9151E
	Aruba 10G SFP+ LC ER 40km SMF Transceiver	J9153D
	Aruba 10G SFP+ LC SR 300m MMF TAA Transceiver	JL748A
	Aruba 10G SFP+ LC LR 10km SMF TAA Transceiver	JL749A
	Aruba 10G SMF Simplex LC BiDi 40km-Downstream 1330/1270 Transceiver	R9X54A
	Aruba 10G SMF Simplex LC BiDi 40km-Upstream 1270/1330 Transceiver	R9X55A
	Aruba 10G SFP+ to SFP+ 1m Direct Attach Copper Cable	J9281D
	Aruba 10G SFP+ to SFP+ 3m Direct Attach Copper Cable	J9283D
3	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	HPE Aruba Networking 25G ER LC 40km SMF Transceiver	S0V69A
	HPE Aruba Networking 25G BiDi 10km-Downstream 1330/1270 Transceiver	S1C96A
	HPE Aruba Networking 25G BiDi 10km-Upstream 1270/1330 Transceiver	S1C98A
	Aruba 25G SFP28 LC SR 100m MMF Transceiver	JL484A
	Aruba 25G SFP28 LC eSR 400m MMF Transceiver	JL485A
	Aruba 25G SFP28 LC LR 10km SMF Transceiver	JL486A
	Aruba 25G SFP28 to SFP28 0.65m Direct Attach Cable	JL487A
	Aruba 25G SFP28 to SFP28 3m Direct Attach Copper Cable	JL488A
	Aruba 25G SFP28 to SFP28 5m Direct Attach Copper Cable	JL489A
	Aruba 25G SFP28 to SFP28 3m Active Optical Cable	R0M44A
	Aruba 25G SFP28 to SFP28 7m Active Optical Cable	R0M45A
	Aruba 25G SFP28 to SFP28 15m Active Optical Cable	R0Z21A
4	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	HPE Aruba Networking 50G eSR 300m MMF Transceiver	S0V64A
	HPE Aruba Networking 50G LR 10km SMF Transceiver	S0V65A
	HPE Aruba Networking 50G ER 40km SMF Transceiver	S0V66A
	HPE Aruba Networking 50G BiDi 10km-Downstream 1330/1270 Transceiver	S1C92A
	HPE Aruba Networking 50G BiDi 10km-Upstream 1270/1330 Transceiver	S1C94A
	Aruba 50G SFP56 to SFP56 0.65m Direct Attach Copper Cable	R0M46A
	Aruba 50G SFP56 to SFP56 3m Direct Attach Copper Cable	R0M47A
	Aruba 50G SFP56 LC SR 100m MMF Transceiver	R0M48A
	HPE Aruba Networking 50G QSFP56 to SFP56 0.65m DAC Cable	S1J07A
	HPE Aruba Networking 50G QSFP56 to SFP56 3m DAC Cable	S1J08A
Notes:	50G capability is for use with 50G DACs for both interconnect and VSF stacking. VSF stacking not supported on 1G ports.	
5	Localization required on orders without #B2B, #B2C, #B2E or #AC3 options.	

Configuration Information

6	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	Aruba 100M SFP LC FX 2km MMF Transceiver	J9054D
7	The following Transceivers install into this Switch and is only available on LRM Supported ports. See AOS-Switch and AOS-CX Transceiver Guide (Edition 12) for port compatibility: (Use BTO only when adding to switch)	
	Aruba 10G SFP+ LC LRM 220m OM2 MMF Transceiver	J9152D
8	If ANY Option is integrated 0D1 to this Switch, then the Switch requires 0D1. (Box level integration is not allowed)	
9	The following Transceivers install into this Switch using QSFP56 side of cable: (Use BTO only when adding to switch)	
	HPE Aruba Networking 50G QSFP56 to SFP56 0.65m DAC Cable	S1J07A
	HPE Aruba Networking 50G QSFP56 to SFP56 3m DAC Cable	S1J08A
11	If qty1 of the folowing QSA28 Adapter(845970-B21) is selected, then increase max SFP28 Port qty by 1 and allow user selection of the following SFP Transceivers. Refer to qty and port restrictions for individual Switch in the "Additional Info" sections: (Use BTO only when adding to switch)	
	Aruba 10G SFP+ LC SR 300m OM3 MMF Transceiver	J9150D
	Aruba 10G SFP+ LC LR 10km SMF Transceiver	J9151E
	Aruba 10G SFP+ LC ER 40km SMF Transceiver	J9153D
	Aruba 10G SFP+ LC SR 300m MMF TAA Transceiver	JL748A
	Aruba 10G SFP+ LC LR 10km SMF TAA Transceiver	JL749A
	Aruba 10G SMF Simplex LC BiDi 40km-Downstream 1330/1270 Transceiver	R9X54A
	Aruba 10G SMF Simplex LC BiDi 40km-Upstream 1270/1330 Transceiver	R9X55A
	Aruba 25G SFP28 LC SR 100m MMF Transceiver	JL484A
	Aruba 25G SFP28 LC eSR 400m MMF Transceiver	JL485A
	Aruba 25G SFP28 LC LR 10km SMF Transceiver	JL486A
	HPE Aruba Networking 25G ER LC 40km SMF Transceiver	S0V69A
	HPE Aruba Networking 25G BiDi 10km-Downstream 1330/1270 Transceiver	S1C96A
	HPE Aruba Networking 25G BiDi 10km-Upstream 1270/1330 Transceiver	S1C98A
	Aruba 25G SFP28 to SFP28 3m Active Optical Cable	R0M44A
	Aruba 25G SFP28 to SFP28 7m Active Optical Cable	R0M45A
	Aruba 25G SFP28 to SFP28 15m Active Optical Cable	R0Z21A
12	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	HPE Aruba Networking 100G SR2 MPO QSFP28 100m MMF Transceiver	S1C93A
	HPE QSFP28 to SFP28 Adapter	845970-B21
	Aruba 100G QSFP28 LC CWDM4 2km SMF Transceiver	R0Z30A
	Aruba 100G QSFP28 LC LR4 10km SMF 2-strand Transceiver	JL310A
	Aruba 100G QSFP28 MPO SR4 100m 12-fiber MPO OM3 MMF Transceiver	JL309A
	Aruba 100G QSFP28 LC ER4L 40km SMF Transceiver	JL743A
	Aruba 100G QSFP28 LC FR1 SMF 2km Transceiver	R9B63A
	Aruba 100G QSFP28 to QSFP28 3m Direct Attach Copper Cable	JL307A
	Aruba 100G QSFP28 to QSFP28 1m Direct Attach Copper Cable	R0Z25A
	Aruba 100G QSFP28 to QSFP28 5m Direct Attach Copper Cable	R0Z26A
	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
13	The following Transceivers install into this Switch(Use BTO only when adding to switch)	
	HPE X142 40G QSFP+ MPO SR4 Transceiver	JH231A
	HPE X142 40G QSFP+ LC LR4 SM Transceiver	JH232A

Configuration Information

	HPE X142 40G QSFP+ MPO eSR4 300M Transceiver	JH233A
	Aruba 40G QSFP+ LC Bidirectional 150m MMF 2-strand Transceiver	JL308A
	Aruba 40G QSFP+ LC ER4 40km SMF Transceiver	Q9G82A
	HPE X242 40G QSFP+ to QSFP+ 1m Direct Attach Copper Cable	JH234A
	HPE X242 40G QSFP+ to QSFP+ 3m Direct Attach Copper Cable	JH235A
	HPE X242 40G QSFP+ to QSFP+ 5m Direct Attach Copper Cable	JH236A
	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
14	The following Transceivers install into this Switch(Use BTO only when adding to switch)	
	HPE Aruba Networking 50G QSFP56 to SFP56 0.65m DAC Cable	S1J07A
	HPE Aruba Networking 50G QSFP56 to SFP56 3m DAC Cable	S1J08A

Notes:

- Locking Power Cord (J9955A) L6-20P is available through the OCA Accessories tab
- 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. (Watson Default B2B or B2C for Rack Level CTO)
- Switch/Router/Power Supply to Wall Power Cord - Localized Option (Watson 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
- OCA Only Model Selection Form>HPE Aruba Networking > Switches > HPE Aruba Networking OS > AOS-CX: HPE Aruba Networking 6300 Switch Series

Rack Level Integration CTO Models

HPE Aruba Networking CX 6300M

Rule #	Description	SKU
1, 2, 3, 4, 6, 8	Aruba 6300M 24-port SFP+ and 4-port SFP56 Switch	JL658A

- HPE Aruba Networking 6300M 24-port SFP+ and 4-port SFP56 Switch
- Must Select PSU Min1 / Max2 (250W JL085A, 250W JL757A) Mix OK
- Includes Fantrays Min2 / Max 2 (JL669B)
- Min=0 \ Max= 24 SFP/SFP+ 100M/1/10G Transceivers
- Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver
- 1U - Height

5, 6, 7, 10, 11, 12, 13, 14	HPE Aruba Networking 6300M 48p SR10 1G/2.5G/5G/10G PTP/AVB Class8 PoE and 4p 100G MACsec Switch	S0E91A

- Aruba 6300M 48p SR10 1G/2.5G/5G/10G PTP/AVB Class 8 PoE and 4p 100G MACsec Switch
- Must Select PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A, 1050W JL758A) Mix OK
- Includes Fantrays Min2 / Max 2 (JL669B)
- Min=0 \ Max = 4 QSFP56 50G Transceiver
- QSA28 Adapter Min=0 \ Max=4, ports 49-52 (rule11)
- 1U - Height

Configuration Information

1, 2, 3, 4, 6 Aruba 6300M 48-port HPE Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch JL659A

- HPE Aruba Networking 6300M 48-port HPE Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch
- Must Select PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A, 1050W JL758A) Mix OK
- Includes Fantrays Min2 / Max 2 (JL669B)
- Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver
- 1U - Height

2, 3, 4, 6 Aruba 6300M 48p HPE Smart Rate 1G/2.5G/5G Class8 PoE and 2p 50G and 2p 25G Switch R8S90A

- HPE Aruba Networking 6300M 48p HPE Smart Rate 1G/2.5G/5G CL8 PoE and 2p 50G and 2p 25G Switch
- Must Select PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A, 1050W JL758A) Mix OK
- Includes Fantrays Min2 / Max 2 (JL669B)
- Min=0 \ Max = 2 SFP+/SFP28 10/25/50G Transceiver (Ports 49/50)
- Min=0 \ Max = 2 SFP+/SFP28/SFP56 10/25 Transceiver (Ports 51/52)
- 1U - Height

1, 2, 3, 4, 6 Aruba 6300M 24-port HPE Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch JL660A

- HPE Aruba Networking 6300M 24-port HPE Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch
- Must Select PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A, 1050W JL758A) Mix OK
- Includes 1 Fan tray (JL669B), with 1 open slot with blank cover
- Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver
- 1U - Height

2, 3, 4, 6 Aruba 6300M 24p HPE Smart Rate 1G/2.5G/5G/10G Class6 PoE and 2p 50G and 2p 25G Switch R8S89A

- HPE Aruba Networking 6300M 24p HPE Smart Rate 1G/2.5G/5G/10G CL6 PoE and 2p 50G and 2p 25G Switch
- Must Select PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A, 1050W JL758A) Mix OK
- Includes Fantrays Min2 / Max 2 (JL669B)
- Min=0 \ Max = 2 SFP+/SFP28 10/25/50G Transceiver (Ports 25/26)
- Min=0 \ Max = 2 SFP+/SFP28/SFP56 10/25 Transceiver (Ports 27/28)
- 1U - Height

1, 2, 3, 4, 6 Aruba 6300M 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch JL661A

- HPE Aruba Networking 6300M 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch
- Must Select PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A, 1050W JL758A) Mix OK
- Includes 1 Fan tray (JL669B), with 1 open slot with blank cover
- Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver
- 1U - Height

1, 2, 3, 4, 6, 9 Aruba 6300M 12p Class8 PoE and 36p Class6 PoE HPE Smart Rate 1G/2.5G/5G and 2p 50G and 2p 10G Switch R8S91A

- HPE Aruba Networking 6300M 12p Class8 PoE and 36p Class6 PoE HPE Smart Rate 1G/2.5G/5G and 2p 50G and 2p 10G Switch
- Must Select PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A, 1050W JL758A) Mix OK
- Includes Fantrays Min2 / Max 2 (JL669B)
- Min=0 \ Max = 2 SFP+/SFP28/SFP56 10/25/50G Transceiver (Ports 49/50)
- Min=0 \ Max = 2 SFP/SFP+ 1/10 Transceiver (LRM Supported) (Ports 51/52)
- 1U - Height

Configuration Information

1, 2, 3, 4, 6 Aruba 6300M 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch JL662A

- HPE Aruba Networking 6300M 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch
- Must Select PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A, 1050W JL758A) Mix OK
- Includes 1 Fan tray (JL669B), with 1 open slot with blank cover
- Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver
- 1U - Height

1, 2, 3, 4, 6, 9 Aruba 6300M 24p SFP+ LRM support and 2p 50G and 2p 25G MACSec Switch R8S92A

- HPE Aruba Networking 6300M 24p SFP+ LRM support and 2p 50G and 2p 25G MACSec Switch
- Must Select PSU Min1 / Max2 (250W JL085A, 250W JL757A) Mix OK
- Includes Fantrays Min2 / Max 2 (JL669B)
- Min=0 \ Max = 24 SFP/SFP+ Transceiver (LRM Supported Ports 1-24)
- Min=0 \ Max = 2 SFP+/SFP28/SFP56 10/25/50G Transceiver (Ports 25/26)
- Min=0 \ Max = 2 SFP+/SFP28 1/10/25 Transceiver (Ports 27/28)
- 1U - Height

1, 2, 3, 4, 6 Aruba 6300M 48-port 1GbE and 4-port SFP56 Switch JL663A

- HPE Aruba Networking 6300M 48-port 1GbE and 4-port SFP56 Switch
- Must Select PSU Min1 / Max2 (250W JL085A, 250W JL757A) Mix OK
- Includes 1 Fan tray (JL669B), with 1 open slot with blank cover
- Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver
- 1U - Height

1, 2, 3, 4, 6 Aruba 6300M 24-port 1GbE and 4-port SFP56 Switch JL664A

- HPE Aruba Networking 6300M 24-port 1GbE and 4-port SFP56 Switch
- Must Select PSU Min1 / Max2 (250W JL085A, 250W JL757A) Mix OK
- Includes 1 Fan tray (JL669B), with 1 open slot with blank cover
- Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver
- 1U - Height"

1, 2, 3, 4, 5, 6, 7 Aruba 6300M 48-port 1GbE and 4-port SFP56 Power-to-Port 2 Fan Trays 1 PSU Bundle JL762A

- HPE Aruba Networking 6300M 48-port 1GbE and 4-port SFP56 Power-to-Port 2 Fan Trays 1 PSU Bundle
- Includes 1 Pwr2Prt PSU, can select Min0 / Max1 (250W JL760A)
- Includes 2 Pwr2Prt Fan trays (JL761A), with no open slots
- Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver
- 1U - Height

Aruba 6300M 48-port 1GbE and 4-port SFP56 Power-to-Port 2 Fan Trays 1 PSU Bundle JL762A#B2B

- C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A)

Aruba 6300M 48-port 1GbE and 4-port SFP56 Power-to-Port 2 Fan Trays 1 PSU Bundle JL762A#B2C

- C13 PDU Jumper Cord (ROW) (J9944A)

Aruba 6300M 48-port 1GbE and 4-port SFP56 Power-to-Port 2 Fan Trays 1 PSU Bundle JL762A#B2E

- HPE 2.5m C15 to NEMA 6-20P Pwr. Cord (JL336A)

Aruba 6300M 48-port 1GbE and 4-port SFP56 Power-to-Port 2 Fan Trays 1 PSU Bundle JL762A#AC3

- No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)

Configuration Information

HPE Aruba Networking CX 6300M TAA

5, 6, 7, 10, 11, 12, 13, 14	HPE Aruba Networking 6300M 48p SR10 1G/2.5G/5G/10G PTP/AVB Class8 PoE 4p 100G MACsec TAA Switch	S0X44A

- Aruba 6300M 48p SR10 1G/2.5G/5G/10G PTP/AVB Class 8 PoE and 4p 100G MACsec TAA Switch
- Must Select PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A, 1050W JL758A) Mix OK
- Includes Fantrays Min2 / Max 2 (JL669B)
- Min=0 \ Max = 4 QSFP+/QSFP56/QSFP28 50G Transceiver
- QSA28 Adapter Min=0 \ Max=4, ports 49-52 (rule11)
- 1U - Height

HPE Aruba Networking CX 6300F

Rule #	Description	SKU
1, 2, 3, 4, 5, 6, 7	Aruba 6300F 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch	JL665A

- Includes Non-Pluggable, Internal PSU behind sheetmetal Chassis Frame
- Includes Non-Pluggable, Internal Fans behind sheetmetal Chassis Frame
- Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver
- 1U - Height

	Aruba 6300F 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch PDU	JL665A#B2B

- C15 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A)

	Aruba 6300F 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch PDU	JL665A#B2C

- C15 PDU Jumper Cord (ROW) (J9944A)

	Aruba 6300F 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch 220v	JL665A#B2E

- HPE 2.5m C15 to NEMA 6-20P Pwr. Cord (JL336A)

	Aruba 6300F 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch No Loc	JL665A#AC3

- No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)

1, 2, 3, 4, 5, 6, 7	Aruba 6300F 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch	JL666A

- Includes Non-Pluggable, Internal PSU behind sheetmetal Chassis Frame
- Includes Non-Pluggable, Internal Fans behind sheetmetal Chassis Frame
- Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver
- 1U - Height

	Aruba 6300F 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch PDU	JL666A#B2B

- C15 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A)

	Aruba 6300F 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch PDU	JL666A#B2C

- C15 PDU Jumper Cord (ROW) (J9944A)

	Aruba 6300F 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch 220v	JL666A#B2E

- HPE 2.5m C15 to NEMA 6-20P Pwr. Cord (JL336A)

	Aruba 6300F 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch No Loc	JL666A#AC3

- No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)

1, 2, 3, 4, 5, 6, 7	Aruba 6300F 48-port 1GbE and 4-port SFP56 Switch	JL667A

- Includes Non-Pluggable, Internal PSU behind sheetmetal Chassis Frame
- Includes Non-Pluggable, Internal Fans behind sheetmetal Chassis Frame
- Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver

Configuration Information

	• 1U - Height	
	Aruba 6300F 48-port 1GbE and 4-port SFP56 Switch PDU	JL667A#B2B
	• C13 PDU Jumper Cord (NA/MEX/TW/JP)	
	Aruba 6300F 48-port 1GbE and 4-port SFP56 Switch PDU	JL667A#B2C
	• C13 PDU Jumper Cord (ROW)	
	Aruba 6300F 48-port 1GbE and 4-port SFP56 Switch 220v	JL667A#B2E
	• HPE 2.3m C13 to NEMA 6-15P Pwr. Cord (J9936A)	
	Aruba 6300F 48-port 1GbE and 4-port SFP56 Switch No Loc	JL667A#AC3
	• No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	
1, 2, 3, 4, 5, 6, 7	Aruba 6300F 24-port 1GbE and 4-port SFP56 Switch	JL668A
	• Includes Non-Pluggable, Internal PSU behind sheetmetal Chassis Frame • Includes Non-Pluggable, Internal Fans behind sheetmetal Chassis Frame • Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver • 1U - Height	
	Aruba 6300F 24-port 1GbE and 4-port SFP56 Switch PDU	JL668A#B2B
	• C13 PDU Jumper Cord (NA/MEX/TW/JP)	
	Aruba 6300F 24-port 1GbE and 4-port SFP56 Switch PDU	JL668A#B2C
	• C13 PDU Jumper Cord (ROW)	
	Aruba 6300F 24-port 1GbE and 4-port SFP56 Switch 220v	JL668A#B2E
	• HPE 2.3m C13 to NEMA 6-15P Pwr. Cord (J9936A)	
	Aruba 6300F 24-port 1GbE and 4-port SFP56 Switch No Loc	JL668A#AC3
	• No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	

Configuration Rules

Rule #	Description	SKU
1	The following Transceivers install into this Switch (Use #0D1 quoted to switch if switch is CTO) - if applicable:	
	Aruba 100M SFP LC FX 2km MMF Transceiver	J9054D
	Notes: Not supported in the SFP56 Ports	
	Aruba 1G SFP LC SX 500m OM2 MMF Transceiver	J4858D
	Aruba 1G SFP LC LX 10km SMF Transceiver	J4859D
	Aruba 1G SFP LC LH 70km SMF Transceiver	J4860D
	Aruba 1G SFP RJ45 T 100m Cat5e Transceiver	J8177D
	Aruba 1G SFP LC SX 500m MMF TAA Transceiver	JL745A
	Aruba 1G SFP LC LX 10km SMF TAA Transceiver	JL746A
	Aruba 1G SFP RJ45 T 100m Cat5e TAA Transceiver	JL747A
2	The following Transceivers install into this Switch (Use #0D1 quoted to switch if switch is CTO) - if applicable:	
	Aruba 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver	JL563B
	Aruba 10G SFP+ LC SR 300m OM3 MMF Transceiver	J9150D
	Aruba 10G SFP+ LC LR 10km SMF Transceiver	J9151E
	Aruba 10G SFP+ LC ER 40km SMF Transceiver	J9153D
	Aruba 10G SFP+ LC SR 300m MMF TAA Transceiver	JL748A
	Aruba 10G SFP+ LC LR 10km SMF TAA Transceiver	JL749A
	Aruba 10G SMF Simplex LC BiDi 40km-Downstream 1330/1270 Transceiver	R9X54A
	Aruba 10G SMF Simplex LC BiDi 40km-Upstream 1270/1330 Transceiver	R9X55A

Configuration Information

	Aruba 10G SFP+ to SFP+ 1m Direct Attach Copper Cable	J9281D
	Aruba 10G SFP+ to SFP+ 3m Direct Attach Copper Cable	J9283D
3	The following Transceivers install into this Switch (Use #0D1 quoted to switch if switch is CTO) - if applicable:	
	HPE Aruba Networking 25G ER LC 40km SMF Transceiver	S0V69A
	HPE Aruba Networking 25G BiDi 10km-Downstream 1330/1270 Transceiver	S1C96A
	HPE Aruba Networking 25G BiDi 10km-Upstream 1270/1330 Transceiver	S1C98A
	Aruba 25G SFP28 LC SR 100m MMF Transceiver	JL484A
	Aruba 25G SFP28 LC eSR 400m MMF Transceiver	JL485A
	Aruba 25G SFP28 LC LR 10km SMF Transceiver	JL486A
	Aruba 25G SFP28 to SFP28 0.65m Direct Attach Cable	JL487A
	Aruba 25G SFP28 to SFP28 3m Direct Attach Copper Cable	JL488A
	Aruba 25G SFP28 to SFP28 5m Direct Attach Copper Cable	JL489A
	Aruba 25G SFP28 to SFP28 3m Active Optical Cable	R0M44A
	Aruba 25G SFP28 to SFP28 7m Active Optical Cable	R0M45A
	Aruba 25G SFP28 to SFP28 15m Active Optical Cable	R0Z21A
4	The following Transceivers install into this Switch (Use #0D1 quoted to switch if switch is CTO) - if applicable:	
	HPE Aruba Networking 50G eSR 300m MMF Transceiver	S0V64A
	HPE Aruba Networking 50G LR 10km SMF Transceiver	S0V65A
	HPE Aruba Networking 50G ER 40km SMF Transceiver	S0V66A
	HPE Aruba Networking 50G BiDi 10km-Downstream 1330/1270 Transceiver	S1C92A
	HPE Aruba Networking 50G BiDi 10km-Upstream 1270/1330 Transceiver	S1C94A
	Aruba 50G SFP56 LC SR 100m MMF Transceiver	R0M48A
	Aruba 50G SFP56 to SFP56 0.65m Direct Attach Copper Cable	R0M46A
	Aruba 50G SFP56 to SFP56 3m Direct Attach Copper Cable	R0M47A
	HPE Aruba Networking 50G QSFP56 to SFP56 0.65m DAC Cable	S1J07A
	HPE Aruba Networking 50G QSFP56 to SFP56 3m DAC Cable	S1J08A
5	Localization required on orders without #B2B, #B2C, #B2E or #AC3 options.	
6	If the CTO Switch Chassis needs to be racked, Then the CTO Base Model needs to integrate (with #0D1) to the HPE Network Rack.	
7	When Switches are Factory Racked with this power supply, Then B2B, or B2C should be the Defaulted Power Cable option on the Power Supplies. (See Drop down remark in “Internal Power Supplies” section.)	
8	The following Transceivers install into this Switch: (Use 0D1 quoted to switch if switch is CTO) - if applicable:	
9	The following Transceivers install into this Switch and is only available on LRM Supported ports. See AOS-Switch and AOS-CX Transceiver Guide (Edition 12) for port compatibility: (Use BTO only when adding to switch) (Use 0D1 quoted to switch if switch is CTO) - if applicable:	
	Aruba 10G SFP+ LC LRM 220m OM2 MMF Transceiver	J9152D
10	The following Transceivers install into this Switch using QSFP56 side of cable(Use 0D1 quoted to switch if switch is CTO) - if applicable:	
11	If qty1 of the following QSA28 Adapter(845970-B21) is selected, then increase max SFP28 Port qty by 1 and allow user selection of the following SFP Transceivers. Refer to qty and port restrictions for individual Switch in the "Additional Info" sections: (Use BTO only when adding to switch)	
	Aruba 10G SFP+ LC SR 300m OM3 MMF Transceiver	J9150D
	Aruba 10G SFP+ LC LR 10km SMF Transceiver	J9151E
	Aruba 10G SFP+ LC ER 40km SMF Transceiver	J9153D
	Aruba 10G SFP+ LC SR 300m MMF TAA Transceiver	JL748A
	Aruba 10G SFP+ LC LR 10km SMF TAA Transceiver	JL749A

Configuration Information

	Aruba 10G SMF Simplex LC BiDi 40km-Downstream 1330/1270 Transceiver	R9X54A
	Aruba 10G SMF Simplex LC BiDi 40km-Upstream 1270/1330 Transceiver	R9X55A
	Aruba 25G SFP28 LC SR 100m MMF Transceiver	JL484A
	Aruba 25G SFP28 LC eSR 400m MMF Transceiver	JL485A
	Aruba 25G SFP28 LC LR 10km SMF Transceiver	JL486A
	HPE Aruba Networking 25G ER LC 40km SMF Transceiver	S0V69A
	HPE Aruba Networking 25G BiDi 10km-Downstream 1330/1270 Transceiver	S1C96A
	HPE Aruba Networking 25G BiDi 10km-Upstream 1270/1330 Transceiver	S1C98A
	Aruba 25G SFP28 to SFP28 3m Active Optical Cable	R0M44A
	Aruba 25G SFP28 to SFP28 7m Active Optical Cable	R0M45A
	Aruba 25G SFP28 to SFP28 15m Active Optical Cable	R0Z21A
12	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	HPE Aruba Networking 100G SR2 MPO QSFP28 100m MMF Transceiver	S1C93A
	HPE QSFP28 to SFP28 Adapter	845970-B21
	Aruba 100G QSFP28 LC CWDM4 2km SMF Transceiver	R0Z30A
	Aruba 100G QSFP28 LC LR4 10km SMF 2-strand Transceiver	JL310A
	Aruba 100G QSFP28 MPO SR4 100m 12-fiber MPO OM3 MMF Transceiver	JL309A
	Aruba 100G QSFP28 LC ER4L 40km SMF Transceiver	JL743A
	Aruba 100G QSFP28 LC FR1 SMF 2km Transceiver	R9B63A
	Aruba 100G QSFP28 to QSFP28 3m Direct Attach Copper Cable	JL307A
	Aruba 100G QSFP28 to QSFP28 1m Direct Attach Copper Cable	R0Z25A
	Aruba 100G QSFP28 to QSFP28 5m Direct Attach Copper Cable	R0Z26A
	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
13	The following Transceivers install into this Switch(Use BTO only when adding to switch)	
	HPE X142 40G QSFP+ MPO SR4 Transceiver	JH231A
	HPE X142 40G QSFP+ LC LR4 SM Transceiver	JH232A
	HPE X142 40G QSFP+ MPO eSR4 300M Transceiver	JH233A
	Aruba 40G QSFP+ LC Bidirectional 150m MMF 2-strand Transceiver	JL308A
	Aruba 40G QSFP+ LC ER4 40km SMF Transceiver	Q9G82A
	HPE X242 40G QSFP+ to QSFP+ 1m Direct Attach Copper Cable	JH234A
	HPE X242 40G QSFP+ to QSFP+ 3m Direct Attach Copper Cable	JH235A
	HPE X242 40G QSFP+ to QSFP+ 5m Direct Attach Copper Cable	JH236A
	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
14	The following Transceivers install into this Switch(Use BTO only when adding to switch)	
	HPE Aruba Networking 50G QSFP56 to SFP56 0.65m DAC Cable	S1J07A
	HPE Aruba Networking 50G QSFP56 to SFP56 3m DAC Cable	S1J08A

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 through the OCA Accessories tab

Configuration Information

Transceivers

Remarks:	Description	SKU
	SFP Transceivers	
	Aruba 100M SFP LC FX 2km MMF Transceiver	J9054D
Notes:	Not supported on SFP56 Ports	
	Aruba 1G SFP LC SX 500m OM2 MMF Transceiver	J4858D
	Aruba 1G SFP LC LX 10km SMF Transceiver	J4859D
	Aruba 1G SFP LC LH 70km SMF Transceiver	J4860D
	Aruba 1G SFP RJ45 T 100m Cat5e Transceiver	J8177D
	Aruba 1G SFP LC SX 500m MMF TAA Transceiver	JL745A
	Aruba 1G SFP LC LX 10km SMF TAA Transceiver	JL746A
	Aruba 1G SFP RJ45 T 100m Cat5e TAA Transceiver	JL747A
	SFP+ Transceivers	
	Aruba 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver • Not compatible with COTA(S0E91A, S0X44A)	JL563B
	Aruba 10G SFP+ LC SR 300m OM3 MMF Transceiver	J9150D
	Aruba 10G SFP+ LC LR 10km SMF Transceiver	J9151E
	Aruba 10G SFP+ LC ER 40km SMF Transceiver	J9153D
	Aruba 10G SFP+ LC SR 300m MMF TAA Transceiver	JL748A
	Aruba 10G SFP+ LC LR 10km SMF TAA Transceiver	JL749A
	Aruba 10G SMF Simplex LC BiDi 40km-Downstream 1330/1270 Transceiver	R9X54A
	Aruba 10G SMF Simplex LC BiDi 40km-Upstream 1270/1330 Transceiver	R9X55A
	Aruba 10G SFP+ to SFP+ 1m Direct Attach Copper Cable • Not compatible with COTA(S0E91A, S0X44A)	J9281D
	Aruba 10G SFP+ to SFP+ 3m Direct Attach Copper Cable • Not compatible with COTA(S0E91A, S0X44A)	J9283D
	SFP28 Transceivers	
	HPE Aruba Networking 25G ER LC 40km SMF Transceiver • All models/Ports that support 25G • NOT R8S91A: 51-52 • COTA: YES thru QSA28 (Min0-Max4)	S0V69A
	HPE Aruba Networking 25G BiDi 10km-Downstream 1330/1270 Transceiver • All models/Ports that support 25G • NOT R8S91A: 51-52 • COTA: YES thru QSA28 (Min0-Max4)	S1C96A
	HPE Aruba Networking 25G BiDi 10km-Upstream 1270/1330 Transceiver • All models/Ports that support 25G • NOT R8S91A: 51-52 • COTA: YES thru QSA28 (Min0-Max4)	S1C98A
	Aruba 25G SFP28 LC SR 100m MMF Transceiver	JL484A
	Aruba 25G SFP28 LC eSR 400m MMF Transceiver	JL485A
	Aruba 25G SFP28 LC LR 10km SMF Transceiver	JL486A
	Aruba 25G SFP28 to SFP28 0.65m Direct Attach Cable	JL487A
	Aruba 25G SFP28 to SFP28 3m Direct Attach Copper Cable	JL488A
	Aruba 25G SFP28 to SFP28 5m Direct Attach Copper Cable	JL489A
	Aruba 25G SFP28 to SFP28 3m Active Optical Cable	R0M44A
	Aruba 25G SFP28 to SFP28 7m Active Optical Cable	R0M45A
	Aruba 25G SFP28 to SFP28 15m Active Optical Cable	R0Z21A

Configuration Information

QSFP + Transceivers

HPE X142 40G QSFP+ MPO SR4 Transceiver	JH231A
HPE X142 40G QSFP+ LC LR4 SM Transceiver	JH232A
HPE X142 40G QSFP+ MPO eSR4 300M Transceiver	JH233A
Aruba 40G QSFP+ LC Bidirectional 150m MMF 2-strand Transceiver	JL308A
Aruba 40G QSFP+ LC ER4 40km SMF Transceiver	Q9G82A
HPE X242 40G QSFP+ to QSFP+ 1m Direct Attach Copper Cable	JH234A
HPE X242 40G QSFP+ to QSFP+ 3m Direct Attach Copper Cable	JH235A
HPE X242 40G QSFP+ to QSFP+ 5m Direct Attach Copper Cable	JH236A
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: Only COTA ports 49-52 (Min0-Max4)

SFP56 Transceivers

HPE Aruba Networking 50G eSR 300m MMF Transceiver S0V64A

- All models/Ports that support 50G
- NOT R8S91A: 51-52
- NO Cota models

HPE Aruba Networking 50G LR 10km SMF Transceiver S0V65A

- All models/Ports that support 50G
- NOT R8S91A: 51-52
- NO Cota models

HPE Aruba Networking 50G ER 40km SMF Transceiver S0V66A

- All models/Ports that support 50G
- NOT R8S91A: 51-52
- NO Cota models

HPE Aruba Networking 50G BiDi 10km-Downstream 1330/1270 Transceiver S1C92A

- All models/Ports that support 50G
- NOT R8S91A: 51-52
- NO Cota models

HPE Aruba Networking 50G BiDi 10km-Upstream 1270/1330 Transceiver S1C94A

- All models/Ports that support 50G
- NOT R8S91A: 51-52
- NO Cota models

Aruba 50G SFP56 to SFP56 0.65m Direct Attach Copper Cable R0M46A

- Not supported on SFP

Aruba 50G SFP56 to SFP56 3m Direct Attach Copper Cable	R0M47A
Aruba 50G SFP56 LC SR 100m MMF Transceiver	R0M48A
HPE Aruba Networking 50G QSFP56 to SFP56 0.65m DAC Cable	S1J07A
HPE Aruba Networking 50G QSFP56 to SFP56 3m DAC Cable	S1J08A

QSFP28 Transceivers

HPE Aruba Networking 100G SR2 MPO QSFP28 100m MMF Transceiver	S1C93A
HPE 100Gb QSFP28 Bidirectional XCVR	845972-B21
Aruba 100G QSFP28 LC CWDM4 2km SMF Transceiver	R0Z30A
Aruba 100G QSFP28 LC LR4 10km SMF 2-strand Transceiver	JL310A
Aruba 100G QSFP28 MPO SR4 100m 12-fiber MPO OM3 MMF Transceiver	JL309A
Aruba 100G QSFP28 LC ER4L 40km SMF Transceiver	JL743A
Aruba 100G QSFP28 LC FR1 SMF 2km Transceiver	R9B63A

Configuration Information

	Aruba 100G QSFP28 to QSFP28 3m Direct Attach Copper Cable	JL307A
	Aruba 100G QSFP28 to QSFP28 1m Direct Attach Copper Cable	R0Z25A
	Aruba 100G QSFP28 to QSFP28 5m Direct Attach Copper Cable	R0Z26A
	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
Notes:	Only COTA ports 49-52 (Min0-Max4)	
	QSFP56 Transceivers	
	HPE Aruba Networking 50G QSFP56 to SFP56 0.65m DAC Cable	S1J07A
	HPE Aruba Networking 50G QSFP56 to SFP56 3m DAC Cable	S1J08A
Notes:	Only COTA ports 49-52 (Min0-Max4)	
	Transceivers for LRM Adapter	
	Aruba 10G SFP+ LC LRM 220m OM2 MMF Transceiver	J9152D
Notes:	Compatible on LRM supported ports for R8S91A and R8S92A	
	QSA28 Adapter	
1	HPE QSFP28 to SFP28 Adapter	845970-B21
	Configuration Rules	
Rule #	**Description**	
1	OCA Display Note: If selecting the 845970-B21 - QSFP28 to SFP28 Adapter, then see Aruba Tranceiver Guide for details.	

Power Supplies

System (std 0 // max 2) User Selection (min 1 // max 2) per enclosure
JL762A System (std 1 // max 2) User Selection (min 0 // max 1) per enclosure

Rule #	Description	SKU
1, 3	Aruba X372 54VDC 1600W 110-240VAC Power Supply • Uses 1 x C15, 1600w	JL670A#0D1
	Aruba X372 54VDC 1600W 110-240VAC Power Supply PDU • C15 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A)	JL670A#B2B
	Aruba X372 54VDC 1600W 110-240VAC Power Supply PDU • C15 PDU Jumper Cord (ROW) (J9944A)	JL670A#B2C
	Aruba X372 54VDC 1600W 110-240VAC Power Supply 220v • HPE 2.5m C15 to NEMA 6-20P Pwr Cord (JL336A)	JL670A#B2E
	Aruba X372 54VDC 1600W 110-240VAC Power Supply No Loc • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	JL670A#AC3
1, 2	Aruba X371 12VDC 250W 100-240VAC Power Supply • Uses 1 x C13, 250w	JL085A#0D1
	Aruba X371 12VDC 250W 100-240VAC Power Supply PDU NA, JP or TW • C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A)	JL085A#B2B
	Aruba X371 12VDC 250W 100-240VAC Power Supply PDU ROW • C13 PDU Jumper Cord (ROW) (JL697A)	JL085A#B2C
	Aruba X371 12VDC 250W 100-240VAC Power Supply United States 220 volt • HPE 2.5m C13 to NEMA 6-20P Pwr Cord (JL336A)	JL085A#B2E
	Aruba X371 12VDC 250W 100-240VAC Power Supply	JL085A#AC3

Configuration Information

	• No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	
1, 2	Aruba 6300M 250W 36-72VDC Input Non-PoE Power Supply	JL757A#0D1
	• DC supply, comes with DC power cable, only mix with AC PSU JL085A 250W	
1, 4	Aruba X371 12VDC 250W 100-240VAC Power-to-Port Power Supply	JL760A#0D1
	• Uses 1 x C13, 250w	
	Aruba X371 12VDC 250W 100-240VAC Power-to-Port Power Supply PDU	JL760A#B2B
	• C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A)	
	Aruba X371 12VDC 250W 100-240VAC Power-to-Port Power Supply PDU	JL760A#B2C
	• C13 PDU Jumper Cord (ROW) (J9944A)	
	Aruba X371 12VDC 250W 100-240VAC Power-to-Port Power Supply 220v	JL760A#B2E
	• HPE 2.5m C13 to NEMA 6-20P Pwr Cord (JL336A)	
	Aruba X371 12VDC 250W 100-240VAC Power-to-Port Power Supply No Loc	JL760A#AC3
	• No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	
1, 3	Aruba X372 54VDC 680W 100-240VAC Power Supply	JL086A#0D1
	• Uses 1 x C15, 680w	
	Aruba X372 54VDC 680W 100-240VAC Power Supply PDU NA, JP or TW	JL086A#B2B
	• C15 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A)	
	Aruba X372 54VDC 680W 100-240VAC Power Supply PDU ROW	JL086A#B2C
	• C15 PDU Jumper Cord (ROW) (J9944A)	
	Aruba X372 54VDC 680W 100-240VAC Power Supply United States 220 volt	JL086A#B2E
	• HPE 2.5m C15 to NEMA 6-20P Pwr Cord (JL336A)	
	Aruba X372 54VDC 680W 100-240VAC Power Supply	JL086A#AC3
	• No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	
1, 3, 5	Aruba 6300M 1050W 36-72VDC Input PoE Power Supply	JL758A#0D1
	• DC supply, comes with DC power cable, only mix with AC PSU JL087A 1050W	
1, 3	Aruba X372 54VDC 1050W 110-240VAC Power Supply	JL087A#0D1
	• Uses 1 x C15, 1050w	
	Aruba X372 54VDC 1050W 110-240VAC Power Supply PDU NA, JP or TW	JL087A#B2B
	• C15 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A)	
	Aruba X372 54VDC 1050W 110-240VAC Power Supply PDU ROW	JL087A#B2C
	• C15 PDU Jumper Cord (ROW) (J9944A)	
	Aruba X372 54VDC 1050W 110-240VAC Power Supply United States 220 volt	JL087A#B2E
	• HPE 2.5m C15 to NEMA 6-20P Pwr Cord (JL336A)	
	Aruba X372 54VDC 1050W 110-240VAC Power Supply	JL087A#AC3
	• No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	

Configuration Rules

Rule #	Description	SKU
1	Localization (Wall Power Cord) required on orders without #B2B, #B2C, (PDU Power Cord) or #B2E. (See Localization Menu)	
2	The Following Switches are compatible with this PSU	
	Aruba 6300M 24-port SFP+ and 4-port SFP56 Switch	JL658A
	Aruba 6300M 48-port 1GbE and 4-port SFP56 Switch	JL663A
	Aruba 6300M 24-port 1GbE and 4-port SFP56 Switch	JL664A

Configuration Information

3	The Following Switches are compatible with this PSU	
	Aruba 6300M 48-port HPE Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch	JL659A
	Aruba 6300M 24-port HPE Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch	JL660A
	Aruba 6300M 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch	JL661A
	Aruba 6300M 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch	JL662A
	Aruba 6300M 48p HPE Smart Rate 1G/2.5G/5G Class8 PoE and 2p 50G and 2p 25G Switch	R8S90A
	Aruba 6300M 24p HPE Smart Rate 1G/2.5G/5G/10G Class6 PoE and 2p 50G and 2p 25G Switch	R8S89A
	Aruba 6300M 12p Class8 PoE and 36p Class6 PoE HPE Smart Rate 1G/2.5G/5G and 2p 50G and 2p 10G Switch	R8S91A
	Aruba 6300M 24p SFP+ LRM support and 2p 50G and 2p 25G MACSec Switch	R8S92A
	HPE Aruba Networking 6300M 48p SR10 1G/2.5G/5G/10G PTP/AVB Class8 PoE and 4p 100G MACsec Switch	S0E91A
	HPE Aruba Networking 6300M 48p SR10 1G/2.5G/5G/10G PTP/AVB Class8 PoE 4p 100G MACsec TAA Switch	S0X44A
4	The Following Switch is only compatible with this Power to Port PSU;	
	Aruba 6300M 48-port 1GbE and 4-port SFP56 Power-to-Port 2 Fan Trays 1 PSU Bundle	JL762A
5	It is recommended that the JL758A 1050W PSU NOT be mixed with the JL670A 1600W PSU.	

Notes:

- If you want the Locking Power Cord (J9955A) L6-20P, then you must order this power cord through the Accessories tab
- Drop down under power supply should offer the following options and results:
- Switch/Router to PDU Power Cord - #B2B in NA, 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 Localized Power Cord Selected - #AC3 Option

PSU Options

For JL670A, JL085A, JL760A, JL086A, JL087A (std 0 // max 1) User Selection (min 0 // max 1) per PSU

HPE 2.0m C13 to C14 PDU India Power Cord	JL671A
• C13 India PDU Cable for Factory Racked Systems Only	
HPE 2.5m C15 to C14 PDU India Power Cord	JL672A
• C15 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.
- These PDU cables are for Solutions shipping to India.

Switch Options

- JL658A, JL659A, JL762A System (std 2 // max 2) User Selection (min 0 // max 0) per enclosure
- JL660A, JL661A, JL662A, JL663A, JL664A System (std 1 // max 2) User Selection (min 0 // max 1) per enclosure
- R8S90A System (std 2 // max 2) User Selection (min 0 // max 0) per enclosure
- R8S89A, R8S91A, R8S92A System (std 1 // max 2) User Selection (min 0 // max 1) per enclosure
- S0E91A, S0X44A System (std 2 // max 2) User Selection (min 0 // max 0) per enclosure

Configuration Information

Remarks	Description	SKU
	Fan Trays	
	JL658A, JL659A, JL762A System (std 2 // max 2) User Selection (min 0 // max 0) per enclosure JL660A, JL661A, JL662A, JL663A, JL664A System (std 1 // max 2) User Selection (min 0 // max 1) per enclosure R8S90A System (std 2 // max 2) User Selection (min 0 // max 0) per enclosure R8S89A, R8S91A, R8S92A System (std 1 // max 2) User Selection (min 0 // max 1) per enclosure	
	Aruba X751 Front to Back Fan Tray	JL669B
	Aruba 6300M Power-to-Port Fan Tray	JL761A
Notes:	– The Following Switch is only compatible with this Power to Port FanTray; JL762A – HPE ANW CX 6300M 48G Pwr2Prt 2F 1PS Bdl – When configuring JL658A, JL659A, JL762A, R8S90A, R8S89A, R8S91A, R8S92A, S0E91A, S0X44A Show OCA Display "This switch includes 2 Fan Trays. No additional Fan Trays necessary" – When configuring JL660A, JL661A, JL662A, JL663A or JL664A: Show OCA Display This switch includes 1 Fan Tray. 2nd Fan Tray optional. – This switch includes 1 Fan Tray. 2nd Fan Tray optional.	
	Rack Mount Kits	
	System (std 0 // max 1) User Selection (min 0 // max 1) per enclosure	
	Aruba X414 1U Universal 4-post Rack Mount Kit	J9583B
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.	
	Air Duct Kit	
	For System (std 0 // max 1) User Selection (min 0 // max 1) per Switch	
	Aruba X544 Universal 4-post Duct Kit (Must order 4-post rack mount kit separately)	JL716A
Notes:	– Only for Power to Port Bundles – If the Switch Bundle will be Factory Racked, then this Duct Kit is required with #0D1 for the Power to Port Switch Bundles: JL762A – For optimal performance, it is recommended that the user select the Duct Kit for Power to Port Switch Bundles – If this Air Duct Kit is selected, then the following 4 Post Rack Mount kit must be selected: J9583B – HPE Aruba Networking X414 1U Universal 4-post Rack Mount Kit	
	India PDU Cable	
	For JL665A, JL666A, JL667A, JL668A, JL762A (std 0 // max 1) User Selection (min 0 // max 1) per enclosure	
	HPE 2.0m C13 to C14 PDU India Power Cord	JL671A
	• C13 India PDU Cable for Factory Racked Systems Only	
	HPE 2.5m C15 to C14 PDU India Power Cord	JL672A
	• C15 India PDU Cable for Factory Racked Systems Only	
Notes:	These PDU cables are for Solutions shipping to India.	
	USB Console Cables	
	System (std 0 // max 99) User Selection (min 0 // max 99) per switch	
	Aruba USBA-RJ45 PIN3TX-6RX 2.5m Cable	R8Z87A
	HPE Aruba Networking USBA-RJ45 PC-to-Switch PIN6TX-3RX 2.5m Cable	R9G48B
	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
Notes:	This cable is only compatible with the following Switches: JL658A, JL659A, R8S90A, JL660A, R8S89A, JL661A, R8S91A, JL662A, R8S92A, JL663A, JL664A, JL762A, JL665A, JL666A, JL667A, JL668A, S0E91A, S0X44A	

Configuration Information

	Switch Options	
	System (std 0 // max 99) User Selection (min 0 // max 99) per switch	
	HPE Aruba Networking CX Switch Bluetooth Adapter	S1H23A
Notes:	This cable is only compatible with the following Switches: JL658A, JL659A, R8S90A, JL660A, R8S89A, JL661A, R8S91A, JL662A, R8S92A, JL663A, JL664A, JL762A, JL665A, JL666A, JL667A, JL668A, S0E91A, S0X44A	

Software

HPE Aruba Networking CX Mobile App **https://www.arubanetworks.com/products/networking/switches/cx-mobileapp/**

Remarks	Description	SKU
	HPE Aruba Networking AOS-CX Software	
	HPE Aruba Networking CX Advanced Software Licenses	
	Aruba CX Software 63xx Switch Advanced 1-year Subscription E-STU	S0T77AAE
	Aruba CX Software 63xx Switch Advanced 3-year Subscription E-STU	S0T78AAE
	Aruba CX Software 63xx Switch Advanced 5-year Subscription E-STU	S0T79AAE
	Aruba CX Software 63xx Switch Advanced 7-year Subscription E-STU	S0T80AAE
	Aruba CX Software 63xx Switch Advanced 10-year Subscription E-STU	S0T76AAE
	HPE Aruba Networking NetEdit	
	Single Node Subscription	
	Aruba NetEdit Single Node 1yr Subscription E-STU	JL639AAE
	Aruba NetEdit Single Node 3yr Subscription E-STU	JL640AAE
	HPE Aruba Networking Central	
Notes:	For details and complete listing of HPE Aruba Networking Central licensing options, please see **https://www.arubanetworks.com/assets/ds/DS_ArubaCentral.pdf** HPE Aruba Networking Central Data Sheet **https://www.arubanetworks.com/assets/ds/DS_ArubaCentral.pdf**	
	Cloud Services / 63XX/38XX Switch Foundation Subscriptions	
2	HPE Aruba Networking Central Switch Class-3 Foundation 1 year Subscription E-STU	Q9Y78AAE
2	HPE Aruba Networking Central Switch Class-3 Foundation 3 year Subscription E-STU	Q9Y79AAE
2	HPE Aruba Networking Central Switch Class-3 Foundation 5 year Subscription E-STU	Q9Y80AAE
2	HPE Aruba Networking Central Switch Class-3 Foundation 7 year Subscription E-STU	Q9Y81AAE
2	HPE Aruba Networking Central Switch Class-3 Foundation 10 year Subscription E-STU	R3K02AAE
	On-Prem Services / 63XX/38XX Switch Foundation Subscriptions	
3	HPE Aruba Networking Central on Prem Switch Class-3 Foundation 1 year Subscription E-STU	R6U83AAE
3	HPE Aruba Networking Central on Prem Switch Class-3 Foundation 3 year Subscription E-STU	R6U84AAE
3	HPE Aruba Networking Central on Prem Switch Class-3 Foundation 5 year Subscription E-STU	R6U85AAE
3	HPE Aruba Networking Central on Prem Switch Class-3 Foundation 7 year Subscription E-STU	R6U86AAE
3	HPE Aruba Networking Central on Prem Switch Class-3 Foundation 10 year Subscription E-STU	R6U87AAE
	On-Prem Services / 63XX/38XX Switch Foundation Subscriptions	
3	HPE Aruba Networking Central on Prem Switch Class-3 Foundation 1 year Subscription E-STU	R6U83AAE
3	HPE Aruba Networking Central on Prem Switch Class-3 Foundation 3 year Subscription E-STU	R6U84AAE
3	HPE Aruba Networking Central on Prem Switch Class-3 Foundation 5 year Subscription E-STU	R6U85AAE
3	HPE Aruba Networking Central on Prem Switch Class-3 Foundation 7 year Subscription E-STU	R6U86AAE
3	HPE Aruba Networking Central on Prem Switch Class-3 Foundation 10 year Subscription E-STU	R6U87AAE
	On-Prem Services / 63XX/38XX Switch Advanced Subscriptions	
3	HPE Aruba Networking Central on Prem Switch Class-3 Advanced 1 year Subscription E-STU	R6V03AAE

Configuration Information

3	HPE Aruba Networking Central on Prem Switch Class-3 Advanced 3 year Subscription E-STU	R6V04AAE
3	HPE Aruba Networking Central on Prem Switch Class-3 Advanced 5 year Subscription E-STU	R6V05AAE
3	HPE Aruba Networking Central on Prem Switch Class-3 Advanced 7 year Subscription E-STU	R6V06AAE
3	HPE Aruba Networking Central on Prem Switch Class-3 Advanced 10 year Subscription E-STU	R6V07AAE
	FedRAMP Services / 63XX/38XX Switch Foundation Subscriptions	
6	Aruba Central 63xx/38xx Switch Foundation 1yr Subscription Government E-STU	R8K99AAE
6	Aruba Central 63xx/38xx Switch Foundation 3yr Subscription Government E-STU	R8L00AAE
6	Aruba Central 63xx/38xx Switch Foundation 5yr Subscription Government E-STU	R8L01AAE
6	Aruba Central 63xx/38xx Switch Foundation 7 year Subscription Government E-STU	R8L02AAE
6	Aruba Central 63xx/38xx Switch Foundation 10 year Subscription Government E-STU	R8L03AAE
	Configuration Rules	
Rule #	**Description**	**SKU**
2	Add the Central Cloud Skus to the HPE Aruba Networking Catalog as Standalone: HPE Aruba Networking > Network Management > Central > Cloud Services	
3	Add the Central On-Prem Skus to the HPE Aruba Networking Catalog as Standalone: HPE Aruba Networking > Network Management > Central > On-Prem Services	
6	Add the Central FedRAMP Service Skus to the HPE Aruba Networking Catalog as Standalone: HPE Aruba Networking > Network Management > Central > FedRAMP	
	HPE Aruba Networking Fabric Composer	
	Single Node Subscription	
	Aruba Fabric Composer Device Management Service Tier 3 Switch 1 year Subscription E-STU	R8D18AAE
	Aruba Fabric Composer Device Management Service Tier 3 Switch 3 year Subscription E-STU	R8D19AAE
	Aruba Fabric Composer Device Management Service Tier 3 Switch 5 year Subscription E-STU	R8D20AAE

As-a-Service

	HPE Aruba Networking Central	
	Cloud Services / 63XX/38XX Switch Foundation Subscriptions	
	HPE Aruba Networking Central Switch Class-3 Foundation 1 year Subscription SaaS	Q9Y78AAS
	HPE Aruba Networking Central Switch Class-3 Foundation 3 year Subscription SaaS	Q9Y79AAS
	HPE Aruba Networking Central Switch Class-3 Foundation 5 year Subscription SaaS	Q9Y80AAS
	HPE Aruba Networking Central Switch Class-3 Foundation 7 year Subscription SaaS	Q9Y81AAS
	HPE Aruba Networking Central Switch Class-3 Foundation 10 year Subscription SaaS	R3K02AAS
Notes:	Add the Central Cloud Skus to the HPE Aruba Networking Catalog as Standalone: HPE Aruba Networking > Network Management > Central > Cloud Services	
	Cloud Services / Switch Advanced AAS Licenses	
	HPE Aruba Networking Central Switch Class-3 Advanced 1 year Subscription SaaS	S0W52AAS
	HPE Aruba Networking Central Switch Class-3 Advanced 3 year Subscription SaaS	S0W53AAS
	HPE Aruba Networking Central Switch Class-3 Advanced 5 year Subscription SaaS	S0W54AAS
	HPE Aruba Networking Central Switch Class-3 Advanced 7 year Subscription SaaS	S0W55AAS
	HPE Aruba Networking Central Switch Class-3 Advanced 10 year Subscription SaaS	S0W56AAS
	HPE Aruba Networking Central Switch Class-3 Advanced 1 year Subscription SaaS	S0W77AAS
	HPE Aruba Networking Central Switch Class-3 Advanced 3 year Subscription SaaS	S0W78AAS
	HPE Aruba Networking Central Switch Class-3 Advanced 5 year Subscription SaaS	S0W79AAS
	HPE Aruba Networking Central Switch Class-3 Advanced 7 year Subscription SaaS	S0W80AAS

Configuration Information

	HPE Aruba Networking Central Switch Class-3 Advanced 10 year Subscription SaaS	S0W81AAS
Notes:	For IRIS reference only. No action required for OCX and Clic	

Technical Specifications

HPE Aruba Networking 6300M 24-port SFP+ and 4-port SFP56 Switch (R8S89A)		
Description	24x ports SmartRate 100M/1G/2.5G/5G/10G BaseT Class 6 PoE ports supporting up to 60W per port (MACsec) 2x 10G/25G/50G[1] SFP ports 2x 10G/25G SFP ports (MACsec) Supports PoE Standards IEEE 802.3af, 802.3at and 802.3bt (up to 60W) 1x USB-C Console Port 1x RJ Console Port 1x OOBM port 1x USB Type A Host port 1x Bluetooth dongle to be used with CX Mobile App **Notes:** [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.	
Power Supplies	2 field-replaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately) Supported PSUs JL086A JL087A JL670A JL758A Max PoE Power: 2880W	
Fans	The switch has two fan tray slots and comes with two fan trays installed. Min 2 fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	
Physical Characteristics	**Dimensions**	(H) 4.4 cm x (W) 44.2 cm x (D) 38.5 cm (1.73" x 17.4" x 15.2")
	Weight	5.26 kg (11.60 lbs)
Mounting and Enclosure	Mounts in an EIA- standard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	
Additional Specifications	**CPU**	Quad Core ARM Cortex™ A72 @ 1.8GHz
	Memory and Flash	8 GB DDR4 32 GB eMMC
	Packet Buffer	16 MB
Performance	**System switching capacity**	880 Gbps
	System throughput capacity	660 Mpps
	Model switching capacity	880 Gbps
	Model throughput capacity	654 Mpps
	Average latency (LIFO, 64-byte packets)	1Gbps: 4.24µSec 10Gbps: 1.50µSec 25Gbps: 2.91µSec 50Gbps[1]: 3.49µSec **Notes:** [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.
	Stack size	10 members
	Max stacking distance	Up to 10 kms with long range transceivers
	Stacking bandwidth	200 Gbps
	Switched virtual interfaces (dual stack)	1,024

Technical Specifications

	IPv4 host table (ARP)	49,152
	IPv6 host table (ND)	49,152
	IPv4 unicast routes	61,000
	IPv6 unicast routes	61,000
	IPv4 multicast routes	8,192
	IPv6 multicast routes	8,192
	MAC table capacity	32,768
	IGMP groups	8,192
	MLD groups	8,192
	IPv4/IPv6/MAC ACL entries (ingress)	20,480/5,120/20,480
	IPv4/IPv6/MAC ACL entries (engress)	8,192/2,048/8,192
	VFR	256
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate -1 degree C for every 1,000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods[1] of time. 55C excursion not supported when 10G LRM/LR/ER inserted: • When 10G BT and 10G LRM/LR/ER transceivers are installed together, fan redundancy is only supported up to 104°F (40°C), 5,000ft **Notes:** [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.
	Operating relative humidity	15% to 95% @ 104°F (40°C) non-condensing
	Non-operating temperature	-40°F to 158°F (-40°C to 70°C) up to 15,000 ft
	Non-operating humidity	15% to 90% @ 149°F (65°C) non-condensing
	Max operating altitude	10,000 feet (3.04 km) Max
	Max non-operating altitude	15,000 feet (4.6 km) Max
	Acoustic	Sound Power, LWAd = 4.9 Bel Sound Pressure, LpAm (Bystander) = 33.0 dB
	Primary airflow	Front and side-to-back
Electrical Characteristics	**Frequency**	50Hz/60Hz
	AC voltage	JL670A PSU: 110V-120V/208V-240V JL086A PSU: 100V-240V JL087A PSU: 110V-240V
	Current (for voltages listed above)	JL670A PSU: 11A/8A JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A
	Power consumption (230VAC)	With JL086A PSU: Idle: 90W 100% Traffic Rate: 143W Idle: 90W 100% Traffic Rate: 140W With JL670A PSU: Idle: 101W 100% Traffic Rate: 152W
Safety	Include US, Canada, Europe, Worldwide	Europe: EN 62368-1:2014 +A11:2017 2nd Ed. EN 62368-1:2020 +A11:2020 3rd Ed.

Technical Specifications

		UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US/Canada: UL 62368-1 2nd Ed. CAN/CSA-C22.2 No. 62368-1-14 2nd Ed. Worldwide: IEC 60950-1:2005 + Am1:2009 + Am2:2013 w/all known National Deviations IEC 62368-1:2014 2nd Ed. w/all known National Deviations IEC 62368-1:2018 3rd Ed. w/all known National Deviations
Emissions	Include US, Canada, Europe, Worldwide	Europe: EN 55032:2015 +A11:2020, Class A EN 55035:2017 +A11:2020 EN 61000-3-2:2014, Class A EN 61000-3-3:2013 US/Canada: FCC CFR47 Part 15:2014, Class A ICES-003 Class A Worldwide: VCCI Class A CISPR 32 Class A CISPR 35:2016
Lasers	Include US, Canada, Europe, Worldwide	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories – Optical Transceivers only)
Immunity	**Generic**	CISPR 35
	EN	EN 55035:2017
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	IEC 61000-3-2, EN 61000-3-2
	Flicker	IEC 61000-3-3, EN 61000-3-3
Mounting and Enclosure	Mounts in an EIAstandard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	

Technical Specifications

HPE Aruba Networking 6300M 48p HPE Smart Rate 1G/2.5G/5G Class8 PoE and 2p 50G and 2p 25G Switch (R8S90A)		
Description	48x ports SmartRate 100M/1G/2.5G/5G BaseT Class 8 PoE ports supporting up to 90W per port (MACsec) 2x 10G/25G/50G[1] SFP ports 2x 10G/25G SFP ports (MACsec) Supports PoE Standards IEEE 802.3af, 802.3at and 802.3bt (up to 90W) 1x USB-C Console Port 1x RJ Console Port 1x OOBM port 1x USB Type A Host port 1x Bluetooth dongle to be used with CX Mobile App **Notes:** [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.	
Power Supplies	2 field-replaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately) Supported PSUs JL086A JL087A JL670A JL758A Max PoE Power: 2880W	
Fans	The switch has two fan tray slots and comes with two fan trays installed. Min 2 fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	
Physical Characteristics	**Dimensions**	(H) 4.4 cm x (W) 44.2 cm x (D) 38.5 cm (1.73" x 17.4" x 15.2")
	Weight	5.48 kg (12.08 lbs)
Mounting and Enclosure	Mounts in an EIA- standard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	
Additional Specifications	**CPU**	Quad Core ARM Cortex™ A72 @ 1.8GHz
	Memory and Flash	8 GB DDR4 32 GB eMMC
	Packet Buffer	16 MB
Performance	**System switching capacity**	880 Gbps
	System throughput capacity	660 Mpps
	Model switching capacity	880 Gbps
	Model throughput capacity	654 Mpps
	Average latency (LIFO, 64-byte packets)	1Gbps: 4.24µSec 10Gbps: 1.50µSec 25Gbps: 2.91µSec 50Gbps[1]: 3.49µSec **Notes:** [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.
	Stack size	10 members
	Max stacking distance	Up to 10 kms with long range transceivers
	Stacking bandwidth	200 Gbps

Technical Specifications

	Switched virtual interfaces (dual stack)	1,024
	IPv4 host table (ARP)	49,152
	IPv6 host table (ND)	49,152
	IPv4 unicast routes	61,000
	IPv6 unicast routes	61,000
	IPv4 multicast routes	8,192
	IPv6 multicast routes	8,192
	MAC table capacity	32,768
	IGMP groups	8,192
	MLD groups	8,192
	IPv4/IPv6/MAC ACL entries (ingress)	20,480/5,120/20,480
	IPv4/IPv6/MAC ACL entries (engress)	8,192/2,048/8,192
	VFR	256
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate -1 degree C for every 1,000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods[1] of time. 55C excursion not supported when 10G LRM/LR/ER inserted: • When 10G BT and 10G LRM/LR/ER transceivers are installed together, fan redundancy is only supported up to 104°F (40°C), 5,000ft **Notes:** [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.
	Operating relative humidity	15% to 95% @ 104°F (40°C) non-condensing
	Non-operating temperature	-40°F to 158°F (-40°C to 70°C) up to 15,000 ft
	Non-operating humidity	15% to 90% @ 149°F (65°C) non-condensing
	Max operating altitude	10,000 feet (3.04 km) Max
	Max non-operating altitude	15,000 feet (4.6 km) Max
	Acoustic	Sound Power, LWAd = 5.0 Bel Sound Pressure, LpAm (Bystander) = 33.4 dB
	Primary airflow	Front and side-to-back
Electrical Characteristics	**Frequency**	50Hz/60 Hz
	AC voltage	JL670A PSU: 110V-120V/208V-240V JL086A PSU: 100V-240V JL087A PSU: 110V-240V
	Current (for voltages listed above)	JL670A PSU: 11A/8A JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A
	Power consumption (230VAC)	With JL086A PSU: Idle: 90W 100% Traffic Rate: 143W Idle: 90W 100% Traffic Rate: 140W With JL670A PSU: Idle: 101W 100% Traffic Rate: 152W

Technical Specifications

Safety	Include US, Canada, Europe, Worldwide	Europe: EN 62368-1:2014 +A11:2017 2nd Ed. EN 62368-1:2020 +A11:2020 3rd Ed. UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US/Canada: UL 62368-1 2nd Ed. CAN/CSA-C22.2 No. 62368-1-14 2nd Ed. Worldwide: IEC 60950-1:2005 + Am1:2009 + Am2:2013 w/all known National Deviations IEC 62368-1:2014 2nd Ed. w/all known National Deviations IEC 62368-1:2018 3rd Ed. w/all known National Deviations
Emissions	Include US, Canada, Europe, Worldwide	Europe: EN 55032:2015 +A11:2020, Class A EN 55035:2017 +A11:2020 EN 61000-3-2:2014, Class A EN 61000-3-3:2013 US/Canada: FCC CFR47 Part 15:2014, Class A ICES-003 Class A Worldwide: VCCI Class A CISPR 32 Class A CISPR 35:2016
Lasers	Include US, Canada, Europe, Worldwide	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories – Optical Transceivers only)
Immunity	**Generic**	CISPR 35
	EN	EN 55035:2017
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	IEC 61000-3-2, EN 61000-3-2
	Flicker	IEC 61000-3-3, EN 61000-3-3
Mounting and Enclosure	Mounts in an EIAstandard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	

Technical Specifications

HPE Aruba Networking 6300M 48SR5 12p Class8 PoE and 36p Class6 PoE HPE Smart Rate 1G/2.5G/5G and 2p 50G and 2p 10G LRM support Switch (R8S91A)		
Description	48x ports SmartRate 100M/1G/2.5G/5G BaseT Class 8 PoE ports supporting up to 90W per port on ports 1-12, and up to 60W per port on ports 13-48 (MACsec) 2x 10G/25G/50G[1] SFP ports 2x 1G/10G SFP ports (LRM + MACsec) Supports PoE Standards IEEE 802.3af, 802.3at and 802.3bt (up to 90W) 1x USB-C Console Port 1x RJ Console Port 1x OOBM port 1x USB Type A Host port 1x Bluetooth dongle to be used with CX Mobile App **Notes:** [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.	
Power Supplies	2 field-replaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately) Supported PSUs JL086A JL087A JL670A JL758A Max PoE Power: 2880W	
Fans	The switch has two fan tray slots and comes with two fan trays installed. Min 2 fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	
Physical Characteristics	**Dimensions**	(H) 4.4 cm x (W) 44.2 cm x (D) 38.5 cm (1.73" x 17.4" x 15.2")
	Weight	5.47 kg (12.06 lbs)
Mounting and Enclosure	Mounts in an EIA- standard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	
Additional Specifications	**CPU**	Quad Core ARM Cortex™ A72 @ 1.8GHz
	Memory and Flash	8 GB DDR4 32 GB eMMC
	Packet Buffer	16 MB
Performance	**System switching capacity**	880 Gbps
	System throughput capacity	660 Mpps
	Model switching capacity	880 Gbps
	Model throughput capacity	654 Mpps
	Average latency (LIFO, 64-byte packets)	1Gbps: 4.24µSec 10Gbps: 1.50µSec 25Gbps: 2.91µSec 50Gbps[1]: 3.49µSec **Notes:** [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.
	Stack size	10 members
	Max stacking distance	Up to 10 kms with long range transceivers
	Stacking bandwidth	200 Gbps

Technical Specifications

	Switched virtual interfaces (dual stack)	1,024
	IPv4 host table (ARP)	49,152
	IPv6 host table (ND)	49,152
	IPv4 unicast routes	61,000
	IPv6 unicast routes	61,000
	IPv4 multicast routes	8,192
	IPv6 multicast routes	8,192
	MAC table capacity	32,768
	IGMP groups	8,192
	MLD groups	8,192
	IPv4/IPv6/MAC ACL entries (ingress)	20,480/5,120/20,480
	IPv4/IPv6/MAC ACL entries (engress)	8,192/2,048/8,192
	VFR	256
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate -1 degree C for every 1,000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods[1] of time. 55C excursion not supported when 10G LRM/LR/ER inserted: • When 10G BT and 10G LRM/LR/ER transceivers are installed together, fan redundancy is only supported up to 104°F (40°C), 5,000ft **Notes:** [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.
	Operating relative humidity	15% to 95% @ 104°F (40°C) non-condensing
	Non-operating temperature	-40°F to 158°F (-40°C to 70°C) up to 15,000 ft
	Non-operating humidity	15% to 90% @ 149°F (65°C) non-condensing
	Max operating altitude	10,000 feet (3.04 km) Max
	Max non-operating altitude	15,000 feet (4.6 km) Max
	Acoustic	Sound Power, LWAd = 4.9 Bel Sound Pressure, LpAm (Bystander) = 32.6 dB
	Primary airflow	Front and side-to-back
Electrical Characteristics	**Frequency**	50Hz/60Hz
	AC voltage	JL670A PSU: 110V-120V/208V-240V JL086A PSU: 100V-240V JL087A PSU: 110V-240V
	Current (for voltages listed above)	JL670A PSU: 11A/8A JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A
	Power consumption (230VAC)	With JL086A PSU: Idle: 90W 100% Traffic Rate: 143W With JL087A PSU: Idle: 90W 100% Traffic Rate: 140W With JL670A PSU: Idle: 101W 100% Traffic Rate: 152W

Technical Specifications

Safety	Include US, Canada, Europe, Worldwide	Europe: EN 62368-1:2014 +A11:2017 2nd Ed. EN 62368-1:2020 +A11:2020 3rd Ed. UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US/Canada: UL 62368-1 2nd Ed. CAN/CSA-C22.2 No. 62368-1-14 2nd Ed. Worldwide: IEC 60950-1:2005 + Am1:2009 + Am2:2013 w/all known National Deviations IEC 62368-1:2014 2nd Ed. w/all known National Deviations IEC 62368-1:2018 3rd Ed. w/all known National Deviations
Emissions	Include US, Canada, Europe, Worldwide	Europe: EN 55032:2015 +A11:2020, Class A EN 55035:2017 +A11:2020 EN 61000-3-2:2014, Class A EN 61000-3-3:2013 US/Canada: FCC CFR47 Part 15:2014, Class A ICES-003 Class A Worldwide: VCCI Class A CISPR 32 Class A CISPR 35:2016
Lasers	Include US, Canada, Europe, Worldwide	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories – Optical Transceivers only)
Immunity	**Generic**	CISPR 35
	EN	EN 55035:2017
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	IEC 61000-3-2, EN 61000-3-2
	Flicker	IEC 61000-3-3, EN 61000-3-3
Mounting and Enclosure	Mounts in an EIAstandard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	

Technical Specifications

HPE Aruba Networking 6300M 24p SFP+ LRM support and 2p 50G and 2p 25G MACsec Switch (R8S92A)		
Description	24x 1G/10G SFP+ ports (LRM + MACsec) 2x 10G/25G/50G[1] SFP ports 2x 10G/25G SFP ports (MACsec) 1x USB-C Console Port 1x RJ Console Port 1x OOBM port 1x USB Type A Host port 1x Bluetooth dongle to be used with CX Mobile App **Notes:** [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.	
Power Supplies	2 field-replaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately) Supported PSUs JL085A JL757A PSU	
Fans	The switch has two fan tray slots and comes with two fan trays installed. Min 2 fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	
Physical Characteristics	**Dimensions**	(H) 4.4 cm x (W) 44.2 cm x (D) 38.5 cm (1.73" x 17.4" x 15.2")
	Weight	5.47 kg (12.06 lbs)
Mounting and Enclosure	Mounts in an EIA- standard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	
Additional Specifications	**CPU**	Quad Core ARM Cortex™ A72 @ 1.8GHz
	Memory and Flash	8 GB DDR4 32 GB eMMC
	Packet Buffer	16 MB
Performance	**System switching capacity**	880 Gbps
	System throughput capacity	660 Mpps
	Model switching capacity	880 Gbps
	Model throughput capacity	654 Mpps
	Average latency (LIFO, 64-byte packets)	1Gbps: 4.24µSec 10Gbps: 1.50µSec 25Gbps: 2.91µSec 50Gbps[1]: 3.49µSec **Notes:** [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.
	Stack size	10 members
	Max stacking distance	Up to 10 kms with long range transceivers
	Stacking bandwidth	200 Gbps
	Switched virtual interfaces (dual stack)	1,024
	IPv4 host table (ARP)	49,152
	IPv6 host table (ND)	49,152
	IPv4 unicast routes	61,000
	IPv6 unicast routes	61,000
	IPv4 multicast routes	8,192

Technical Specifications

	IPv6 multicast routes	8,192
	MAC table capacity	32,768
	IGMP groups	8,192
	MLD groups	8,192
	IPv4/IPv6/MAC ACL entries (ingress)	20,480/5,120/20,480
	IPv4/IPv6/MAC ACL entries (engress)	8,192/2,048/8,192
	VFR	256
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate -1 degree C for every 1,000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods[2] of time. 55C excursion not supported when 10G LRM/LR/ER inserted: • When 10G BT and 10G LRM/LR/ER transceivers are installed together, fan redundancy is only supported up to 104°F (40°C), 5,000ft **Notes:** [2]No more than 96 consecutive hours and no more than 360 hours total (15 days) in 1 year.
	Operating relative humidity	15% to 95% @ 104°F (40°C) non-condensing
	Non-operating temperature	-40°F to 158°F (-40°C to 70°C) up to 15,000 ft
	Non-operating humidity	15% to 90% @ 149°F (65°C) non-condensing
	Max operating altitude	10,000 feet (3.04 km) Max
	Max non-operating altitude	15,000 feet (4.6 km) Max
	Acoustic	Sound Power, LWAd = 4.6 Bel Sound Pressure, LpAm (Bystander) = 30.1 dB
	Primary airflow	Front and side-to-back
Electrical Characteristics	**Frequency**	50Hz/60Hz
	AC voltage	JL085A PSU: 100V-240V
	Current (for voltages listed above)	JL085A PSU: 3A/1.2A
	Power consumption (230VAC)	Idle: 87W 100% Traffic Rate: 131W
Safety	Include US, Canada, Europe, Worldwide	Europe: EN 62368-1:2014 +A11:2017 2nd Ed. EN 62368-1:2020 +A11:2020 3rd Ed. UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US/Canada: UL 62368-1 2nd Ed. CAN/CSA-C22.2 No. 62368-1-14 2nd Ed. Worldwide: IEC 60950-1:2005 + Am1:2009 + Am2:2013 w/all known National Deviations IEC 62368-1:2014 2nd Ed. w/all known National Deviations IEC 62368-1:2018 3rd Ed. w/all known National Deviations
Emissions	Include US, Canada, Europe, Worldwide	Europe: EN 55032:2015 +A11:2020, Class A EN 55035:2017 +A11:2020 EN 61000-3-2:2014, Class A EN 61000-3-3:2013 US/Canada: FCC CFR47 Part 15:2014, Class A ICES-003 Class A

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		Worldwide: VCCI Class A CISPR 32 Class A CISPR 35:2016
Lasers	Include US, Canada, Europe, Worldwide	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories – Optical Transceivers only)
Immunity	**Generic**	CISPR 35
	EN	EN 55035:2017
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	IEC 61000-3-2, EN 61000-3-2
	Flicker	IEC 61000-3-3, EN 61000-3-3
Mounting and Enclosure	Mounts in an EIAstandard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	

HPE Aruba Networking 6300M 24-port SFP+ and 4-port SFP56 Switch (JL658A)		
Description	24x 1G/10G SFP+ ports 4x 1G/10G/25G SFP ports	
Additional Ports and Slots	1x USB-C console port 1x OOBM 1x USB Type A host port 1x Bluetooth dongle to be used with CX Mobile App	
Power Supplies	2 field-replaceable, hot-swappable power supply slots. 1 minimum power supply required (ordered separately) Supports JL085A PSU	
Fan Tray	The switch has two fan tray slots and comes with two fan trays installed. Fan trays are field replaceable and hot-swappable. Minimum 2 fan trays required. Each fan tray is comprised of two fans.	
Physical Characteristics	**Dimensions**	17.4 (w) x 15.2 (d) x 1.73 (h) in (44.2 x 38.5 x 4.4 cm)
	Weight	12.78 lbs (5.8 Kg)
Mounting and Enclosure	Mounts in an EIA- standard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz	
Memory and Flash	8 GBytes DDR4 32 GBytes eMMC	
Packet Buffer	8 MB packet buffer memory	
Performance	**System switching capacity**	880 Gbps
	System throughput capacity	660 Mpps
	Model switching capacity	880 Gbps
	Model throughput capacity	654 Mpps
	Average latency (LIFO, 64-byte packets)	1Gbps: 1.99µSec 10Gbps: 1.49µSec

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		25Gbps: 2.85µSec 50Gbps: 2.82µSec
	Stack size	10 members
	Max stacking distance	Up to 10 kms with long range transceivers
	Stacking bandwidth	200 Gbps (400 Gbps at full duplex)
	Switched virtual interfaces (dual stack)	1,024
	IPv4 host table (ARP)	49,152
	IPv6 host table (ND)	49,152
	IPv4 unicast routes	61,000
	IPv6 unicast routes	61,000
	IPv4 multicast routes	8,192
	IPv6 multicast routes	8,192
	MAC table capacity	32,768
	IGMP groups	8,192
	MLD groups	8,192
	IPv4/IPv6/MAC ACL entries (ingress)	20,480/5,120/20,480
	IPv4/IPv6/MAC ACL entries (engress)	8,192/2,048/8,192
	VFR	256
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C), up to 5,000 feet 32°F to 104°F (0°C to 40°C), 5,001 to 10,000 feet 1°C de-rating per 1,000 feet above 5,000 feet Can support excursion to 131°F (55°C) for short periods[1] of time. Operating temperature is reduced to 32°F (0°C) to 104°F (40°C) up to 5000ft when 10G SFP+ LR or ER Transceivers are installed.
	Operating relative humidity	15% to 95% relative humidity at 104°F (40°C), non-condensing
	Non-operating temperature	-40°F to 158°F ('-40°C to 70°C)
	Non-operating humidity	15% to 95% relative humidity at 149°F(65°C), non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	Up to 15,000ft (3.048 Km)
	Acoustic	Sound power, LWAd = 4.9 Bel Sound pressure, LpAm (bystander) = 31.0 dB
	Primary airflow	Front and side-to-back
Electrical Characteristics	**Frequency**	50-60 Hz
	AC voltage	JL085A PSU: 100V-240V
	Current (for voltages listed above)	JL085A PSU: 3A/1.2A
	Power consumption (230VAC)	Idle: 51W 100% traffic rate: 85W
Safety	**Europe:** EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013 **US:** UL 60950-1 2nd Ed **Canada:** CAN/CSA-C22.2 No. 60950-1-07 **Worldwide:** IEC 60950-1:2005 w/all known National Deviations	
Emissions	**Europe:** EN 55022:2010, Class A EN 55032:2012, Class A EN 55024:2010, EN 61000-3-2:2014, EN 61000-3-3:2013 **US:** FCC part 15 Class A **Canada:** ICES-003 Class A **Worldwide:** VCCI Class A, CISPR 22 Class A CISPR 32 Class A CISPR 24:2010	

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Lasers	EN 60825-1:2007 / IEC 60825-1:2007 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)	
Immunity	**Generic**	CISPR 24 / CISPR 35
	EN	EN 55024:2010 / EN 55035:2017
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	IEC 61000-3-2, EN 61000-3-2
	Flicker	IEC 61000-3-3, EN 61000-3-3
Notes: [1] Not more than 96 consecutive hours or 360 hours total or 15 occurrences in a 1-year period.		

HPE Aruba Networking 6300M 48- port HPE Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch (JL659A)		
Description	48x ports SmartRate 100M/1G/2.5G/5G BASE-T Class 6 PoE ports supporting up to 60W per port 4x 1G/10G/25G SFP ports	
	Supports PoE Standards IEEE 802.3af, 802.3at and 802.3bt (up to 60W)	
Additional Ports and Slots	1x USB-C console port 1x OOBM 1x USB Type A host port 1x Bluetooth dongle to be used with CX Mobile App	
Power Supplies	2 field-replaceable, hot-swappable power supply slots 1 minimum power supply required (ordered separately) Supported PSUs: JL086A, JL087A, JL670A Max PoE power: 2880W	
Fan Tray	The switch has two fan tray slots and comes with two fan trays installed. Fan trays are field replaceable and hot-swappable. Minimum 2 fan trays required. Each fan tray is comprised of two fans.	
Physical Characteristics	**Dimensions**	17.4 (w) x 15.2 (d) x 1.73 (h) in (44.2 x 38.5 x 4.4 cm)
	Weight	14.8 lbs (6.71 kg)
Mounting and Enclosure	Mounts in an EIA- standard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz	
Memory and Flash	8 GBytes DDR4 32 GBytes eMMC	
Packet Buffer	8 MB packet buffer memory	
Performance	**System switching capacity**	880 Gbps
	System throughput capacity	660 Mpps
	Model switching capacity	880 Gbps
	Model throughput capacity	654 Mpps
	Average latency (LIFO, 64-byte packets)	1Gbps: 4.24µSec 10Gbps: 1.50µSec 25Gbps: 2.91µSec 50Gbps: 3.49µSec
	Stack size	10 members

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	Max stacking distance	Up to 10 kms with long range transceivers
	Stacking bandwidth	200 Gbps (400 Gbps at full duplex)
	Switched virtual interfaces (dual stack)	1,024
	IPv4 host table (ARP)	49,152
	IPv6 host table (ND)	49,152
	IPv4 unicast routes	61,000
	IPv6 unicast routes	61,000
	IPv4 multicast routes	8,192
	IPv6 multicast routes	8,192
	MAC table capacity	32,768
	IGMP groups	8,192
	MLD groups	8,192
	IPv4/IPv6/MAC ACL entries (ingress)	20,480/5,120/20,480
	IPv4/IPv6/MAC ACL entries (engress)	8,192/2,048/8,192
	VRF	256
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C), up to 5,000 feet 32°F to 104°F (0°C to 40°C), 5,001 to 10,000 feet 1°C de-rating per 1,000 feet above 5,000 feet
	Operating humidity	15% to 95% relative humidity at 104°F (40°C), non-condensing
	Non-operating temperature	-40°F to 158°F ('-40°C to 70°C)
	Non-operating humidity	15% to 95% relative humidity at 149°F(65°C), non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	Up to 15,000ft (3.048 Km)
	Acoustic	Sound power, LWAd = 4.8 Bel Sound pressure, LpAm (bystander) = 30.6 dB
	Primary airflow	Front and side-to-back
Electrical Characteristics	**Frequency**	50-60 Hz
	AC voltage	JL670A PSU: 110V-120V/208V-240V JL086A PSU: 100V-240V JL087A PSU: 110V-240V
	Current (for voltages listed above)	JL670A PSU: 11A/8A JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A
	Power consumption (230VAC)	With JL086A PSU: Idle: 133W 100% traffic rate: 199W With JL087A PSU: Idle: 138W 100% traffic rate: 193W With JL670A PSU: Idle: 140W 100% traffic rate: 201W
Safety	**Europe:** EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013 **US:** UL 60950-1 2nd Ed.. **Canada:** CAN/CSA-C22.2 No. 60950-1-07 **Worldwide:** IEC 60950-1:2005 w/all known National Deviations	

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Emissions	**Europe:** EN 55022:2010, Class A EN 55032:2012, Class A EN 55024:2010, EN 61000-3-2:2014, EN 61000-3-3:2013 **US:** FCC part 15 Class A **Canada:** ICES-003 Class A **Worldwide:** VCCI Class A, CISPR 22 Class A CISPR 32 Class A CISPR 24:2010	
Lasers	EN 60825-1:2007 / IEC 60825-1:2007 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)	
Immunity	**Generic**	CISPR 24 / CISPR 35
	EN	EN 55024:2010 / EN 55035:2017
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	IEC 61000-3-2, EN 61000-3-2
	Flicker	IEC 61000-3-3, EN 61000-3-3

HPE Aruba Networking 6300M 24- port HPE Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch (JL660A)		
Description	24x ports SmartRate 100M/1G/2.5G/5G BASE-T Class 6 PoE ports supporting up to 60W per port 4x 1G/10G/25G SFP ports Supports PoE Standards IEEE 802.3af, 802.3at and 802.3bt (up to 60W)	
Additional Ports and Slots	1x USB-C console port 1x OOBM 1x USB Type A host port 1x Bluetooth dongle to be used with CX Mobile App	
Power Supplies	2 field-replaceable, hot-swappable power supply slots 1 minimum power supply required (ordered separately) Supported PSUs: JL086A, JL087A, JL670A Max PoE power: 1440W	
Fan Tray	The switch has two fan tray slots and comes with one fan tray installed. Fan trays are field replaceable and hot-swappable. Minimum 1 fan tray required. Second fan tray ordered separately. Each fan tray is comprised of two fans.	
Physical Characteristics	**Dimensions**	17.4 (w) x 15.2 (d) x 1.73 (h) in (44.2 x 38.5 x 4.4 cm)
	Weight	13.36 lbs (6.06 kg)
Mounting and Enclosure	Mounts in an EIA- standard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz	
Memory and Flash	8 GBytes DDR4 32 GBytes eMMC	
Packet Buffer	8 MB packet buffer memory	
Performance	**System switching capacity**	880 Gbps
	System throughput capacity	660 Mpps
	Model switching capacity	640 Gbps
	Model throughput capacity	476 Mpps
	Average latency	1Gbps: 4.24µSec

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	(LIFO, 64-byte packets)	10Gbps: 1.50µSec 25Gbps: 2.91µSec 50Gbps: 3.49µSec
	Stack size	10 members
	Max stacking distance	Up to 10 kms with long range transceivers
	Stacking bandwidth	200 Gbps (400 Gbps at full duplex)
	Switched virtual interfaces (dual stack)	1,024
	IPv4 host table (ARP)	49,152
	IPv6 host table (ND)	49,152
	IPv4 unicast routes	61,000
	IPv6 unicast routes	61,000
	IPv4 multicast routes	8,192
	IPv6 multicast routes	8,192
	MAC table capacity	32,768
	IGMP groups	8,192
	MLD groups	8,192
	IPv4/IPv6/MAC ACL entries (ingress)	20,480/5,120/20,480
	IPv4/IPv6/MAC ACL entries (egress)	8,192/2,048/8,192
	VRF	256
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C), up to 5,000 feet 32°F to 104°F (0°C to 40°C), 5,001 to 10,000 feet 1°C de-rating per 1,000 feet above 5,000 feet Can support excursion to 131°F (55°C) for short periods[1] of time. Requires two fan trays to support excursion.
	Operating humidity	15% to 95% relative humidity at 104°F (40°C), non-condensing
	Non-operating temperature	-40°F to 158°F ('-40°C to 70°C)
	Non-operating humidity	15% to 95% relative humidity at 149°F(65°C), non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	Up to 15,000ft (3.048 Km)
	Acoustic	Sound power, LWAd = 5.2 Bel Sound pressure, LpAm (bystander) = 34.2 dB
	Primary airflow	Front and side-to-back
Electrical Characteristics	**Frequency**	50-60 Hz
	AC voltage	JL670A PSU: 110V-120V/208V-240V JL086A PSU: 100V-240V JL087A PSU: 110V-240V
	Current (for voltages listed above)	JL670A PSU: 11A/8A JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A
	Power consumption (230VAC)	With JL086A PSU: Idle: 93W 100% traffic rate: 137W With JL087A PSU: Idle: 91W 100% traffic rate: 131W With JL670A PSU: Idle: 98W 100% traffic rate: 139W

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Safety	**Europe:** EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013 **US:** UL 60950-1 2nd Ed.. **Canada:** CAN/CSA-C22.2 No. 60950-1-07 **Worldwide:** IEC 60950-1:2005 w/all known National Deviations	
Emissions	**Europe:** EN 55022:2010, Class A EN 55032:2012, Class A EN 55024:2010, EN 61000-3-2:2014 EN 61000-3-3:2013 **US:** FCC part 15 Class A **Canada:** ICES-003 Class A **Worldwide:** VCCI Class A, CISPR 22 Class A CISPR 32 Class A CISPR 24:2010	
Lasers	EN 60825-1:2007 / IEC 60825-1:2007 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)	
Immunity	**Generic**	CISPR 24 / CISPR 35
	EN	EN 55024:2010 / EN 55035:2017
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
Immunity	**Voltage dips and interruptions**	IEC 61000-4-11
	Harmonics	IEC 61000-3-2, EN 61000-3-2
	Flicker	IEC 61000-3-3, EN 61000-3-3
Notes: [1] Not more than 96 consecutive hours or 360 hours total or 15 occurrences in a 1-year period.		

HPE Aruba Networking 6300M 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL661A)		
Description	48x 10/100/1000 BASE-T PoE+ ports supporting up to 30W per port 4x 1G/10G/25G SFP ports Supports PoE Standards IEEE 802.3af, 802.3at	
Additional Ports and Slots	1x USB-C console port 1x OOBM 1x USB Type A host port 1x Bluetooth dongle to be used with CX Mobile App	
Power Supplies	2 field-replaceable, hot-swappable power supply slots 1 minimum power supply required (ordered separately) Supported PSUs: JL086A, JL087A, JL670A Max PoE power: 1600W	
Fan Tray	The switch has two fan tray slots and comes with one fan tray installed. Fan trays are field replaceable and hot-swappable. Minimum 1 fan tray required. Second fan tray ordered separately. Each fan tray is comprised of two fans.	
Physical Characteristics	**Dimensions**	17.4 (w) x 15.2 (d) x 1.73 (h) in (44.2 x 38.5 x 4.4 cm)
	Weight	12.61 lbs (5.72 kg)
Mounting and Enclosure	Mounts in an EIA- standard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz	
Memory and Flash	8 GBytes DDR4 32 GBytes eMMC	
Packet Buffer	8 MB packet buffer memory	
Performance	**System switching capacity**	880 Gbps

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	System throughput capacity	660 Mpps
	Model switching capacity	496 Gbps
	Model throughput capacity	369 Mpps
	Average latency (LIFO, 64-byte packets)	1Gbps: 2.28µSec 10Gbps: 1.46µSec 25Gbps: 1.90µSec 50Gbps: 3.49µSec
	Stack size	10 members
	Max stacking distance	Up to 10 kms with long range transceivers
	Stacking bandwidth	200 Gbps (400 Gbps at full duplex)
	Switched virtual interfaces (dual stack)	1,024
	IPv4 host table (ARP)	49,152
	IPv6 host table (ND)	49,152
	IPv4 unicast routes	61,000
	IPv6 unicast routes	61,000
	IPv4 multicast routes	8,192
	IPv6 multicast routes	8,192
	MAC table capacity	32,768
	IGMP groups	8,192
	MLD groups	8,192
	IPv4/IPv6/MAC ACL entries (ingress)	20,480/5,120/20,480
	IPv4/IPv6/MAC ACL entries (engress)	8,192/2,048/8,192
	VRF	256
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C), up to 5,000 feet 32°F to 104°F (0°C to 40°C), 5,001 to 10,000 feet 1°C de-rating per 1,000 feet above 5,000 feet Can support excursion to 131°F (55°C) for short periods[1] of time.
	Operating humidity	15% to 95% relative humidity at 104°F (40°C), non-condensing
	Non-operating temperature	-40°F to 158°F ('-40°C to 70°C)
	Non-operating humidity	15% to 95% relative humidity at 149°F(65°C), non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	Up to 15,000ft (3.048 Km)
	Acoustic	Sound power, LWAd = 4.7 Bel Sound pressure, LpAm (bystander) = 29.8 dB
	Primary airflow	Front and side-to-back
Electrical Characteristics	**Frequency**	50-60 Hz
	AC voltage	JL670A PSU: 110V-120V/208V-240V JL086A PSU: 100V-240V JL087A PSU: 110V-240V
	Current (for voltages listed above)	JL670A PSU: 11A/8A JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A
Electrical Characteristics	**Power consumption (230VAC)**	With JL086A PSU: Idle: 70W 100% traffic rate: 90W

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		With JL087A PSU: Idle: 71W 100% traffic rate: 88W With JL670A PSU: Idle: 73W 100% traffic rate: 96W
Safety	**Europe:** EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013 **US:** UL 60950-1 2nd Ed.. **Canada:** CAN/CSA-C22.2 No. 60950-1-07 **Worldwide:** IEC 60950-1:2005 w/all known National Deviations	
Emissions	**Europe:** EN 55022:2010, Class A EN 55032:2012, Class A EN 55024:2010, EN 61000-3-2:2014 EN 61000-3-3:2013 **US:** FCC part 15 Class A **Canada:** ICES-003 Class A **Worldwide:** VCCI Class A, CISPR 22 Class A CISPR 32 Class A CISPR 24:2010	
Lasers	EN 60825-1:2007 / IEC 60825-1:2007 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)	
Immunity	**Generic**	CISPR 24 / CISPR 35
	EN	EN 55024:2010 / EN 55035:2017
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
Immunity	**Surge**	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	IEC 61000-3-2, EN 61000-3-2
	Flicker	IEC 61000-3-3, EN 61000-3-3
Notes: [1] Not more than 96 consecutive hours or 360 hours total or 15 occurrences in a 1-year period.		

Technical Specifications

HPE Aruba Networking 6300M 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL662A)		
Description	24x ports 10/100/1000 BaseT PoE+ ports supporting up to 30W per port 4x 1G/10G/25G/50G[1] SFP ports Supports PoE Standards IEEE 802.3af, 802.3at 1x USB-C Console Port 1x OOBM port 1x USB Type A Host port 1x Bluetooth dongle to be used with CX Mobile App **Notes:** [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.	
Power Supplies	2 field-replaceable, hot-swappable power supply slots	
	1 minimum power supply required (ordered separately)	
	Supported PSUs: JL086A, JL087A, JL670A	
	Max PoE power: 720W	
Fan Tray	The switch has two fan tray slots and comes with one fan tray installed. Fan trays are field replaceable and hot-swappable. Minimum 1 fan tray required. Second fan tray ordered separately. Each fan tray is comprised of two fans.	
Physical Characteristics	**Dimensions**	17.4 (w) x 15.2 (d) x 1.73 (h) in (44.2 x 38.5 x 4.4 cm)
	Weight	12.23 lbs (5.55 kg)
Mounting and Enclosure	Mounts in an EIA- standard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz	
Memory and Flash	8 GBytes DDR4 32 GBytes eMMC	
Packet Buffer	8 MB packet buffer memory	
Performance	**System switching capacity**	880 Gbps
	System throughput capacity	660 Mpps
	Model switching capacity	448 Gbps
	Model throughput capacity	334 Mpps
	Average latency (LIFO, 64-byte packets)	1Gbps: 2.28µSec 10Gbps: 1.46µSec 25Gbps: 1.90µSec 50Gbps: 3.49µSec
	Stack size	10 members
	Max stacking distance	Up to 10 kms with long range transceivers
	Stacking bandwidth	200 Gbps (400 Gbps at full duplex)
	Switched virtual interfaces (dual stack)	1,024
	IPv4 host table (ARP)	49,152
	IPv6 host table (ND)	49,152
	IPv4 unicast routes	61,000
	IPv6 unicast routes	61,000
	IPv4 multicast routes	8,192
	IPv6 multicast routes	8,192
	VRF	256
Performance	**MAC table capacity**	32,768
	IGMP Groups	8,192
	MLD Groups	8,192

Technical Specifications

	IPv4/IPv6/MAC ACL entries (ingress)	20,480/5,120/20,480
	IPv4/IPv6/MAC ACL entries (engress)	8,192/2,048/8,192
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C), up to 5,000 feet 32°F to 104°F (0°C to 40°C), 5,001 to 10,000 feet 1°C de-rating per 1,000 feet above 5,000 feet Can support excursion to 131°F (55°C) for short periods[1] of time.
	Operating humidity	15% to 95% relative humidity at 104°F (40°C), non-condensing
	Non-operating temperature	-40°F to 158°F ('-40°C to 70°C)
	Non-operating humidity	15% to 95% relative humidity at 149°F(65°C), non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	Up to 15,000ft (3.048 Km)
	Acoustic	Sound power, LWAd = 4.7 Bel Sound pressure, LpAm (bystander) = 29.4 dB
	Primary airflow	Front and side-to-back
Electrical Characteristics	**Frequency**	50-60 Hz
	AC voltage	JL670A PSU: 110V-120V/208V-240V JL086A PSU: 100V-240V JL087A PSU: 110V-240V
	Current (for voltages listed above)	JL670A PSU: 11A/8A JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A
	Power consumption (230VAC)	With JL086A PSU: 100% traffic rate: 76W With JL087A PSU: Idle: 59W 100% traffic rate: 74W With JL670A PSU: Idle: 62W 100% traffic rate: 81W
Safety	**Europe:** EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013 **US:** UL 60950-1 2nd Ed.. **Canada:** CAN/CSA-C22.2 No. 60950-1-07 **Worldwide:** IEC 60950-1:2005 w/all known National Deviations	
Emissions	**Europe:** EN 55022:2010, Class A EN 55032:2012, Class A EN 55024:2010, EN 61000-3-2:2014 EN 61000-3-3:2013 **US:** FCC part 15 Class A **Canada: I**CES-003 Class A **Worldwide:** VCCI Class A, CISPR 22 Class A CISPR 32 Class A CISPR 24:2010	
Lasers	EN 60825-1:2007 / IEC 60825-1:2007 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)	
Immunity	**Generic**	CISPR 24 / CISPR 35
	EN	EN 55024:2010 / EN 55035:2017
	ESD	IEC 61000-4-2
Immunity	**Radiated**	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6

Technical Specifications

	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	IEC 61000-3-2, EN 61000-3-2
	Flicker	IEC 61000-3-3, EN 61000-3-3
Notes: [1] Not more than 96 consecutive hours or 360 hours total or 15 occurrences in a 1-year period.		

HPE Aruba Networking 6300M 48-port 1GbE and 4-port SFP56 Switch (JL663A)		
Description	24x ports 10/100/1000 BaseT PoE+ ports supporting up to 30W per port 4x 1G/10G/25G/50G[1] SFP ports 1x USB-C Console Port 1x OOBM port 1x USB Type A Host port 1x Bluetooth dongle to be used with CX Mobile App **Notes:** [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.	
Power Supplies	2 field-replaceable, hot-swappable power supply slots 1 minimum power supply required (ordered separately) Supports JL085A PSU	
Fan Tray	The switch has two fan tray slots and comes with one fan tray installed. Fan trays are field replaceable and hot-swappable. Minimum 1 fan tray required. The second fan tray ordered separately. Each fan tray is comprised of two fans.	
Physical Characteristics	**Dimensions**	17.4 (w) x 15.2 (d) x 1.73 (h) in (44.2 x 38.5 x 4.4 cm)
	Weight	12.14 lbs (5.51 kg)
Mounting and Enclosure	Mounts in an EIA- standard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz	
Memory and Flash	8 GBytes DDR4 32 GBytes eMMC	
Packet Buffer	8 MB packet buffer memory	
Performance	**System switching capacity**	880 Gbps
	System throughput capacity	660 Mpps
	Model switching capacity	496 Gbps
	Model throughput capacity	369 Mpps
	Average latency (LIFO, 64-byte packets)	1Gbps: 2.28µSec 10Gbps: 1.46µSec 25Gbps: 1.90µSec 50Gbps: 3.49µSec
	Stack size	10 members
	Max stacking distance	Up to 10 kms with long range transceivers
	Stacking bandwidth	200 Gbps (400 Gbps at full duplex)
	Switched virtual interfaces (dual stack)	1,024
	IPv4 host table (ARP)	49,152
	IPv6 host table (ND)	49,152
	IPv4 unicast routes	61,000
	IPv6 unicast routes	61,000

Technical Specifications

	IPv4 multicast routes	8,192
	IPv6 multicast routes	8,192
Performance	**MAC table capacity**	32,768
	IGMP groups	8,192
	MLD groups	8,192
	IPv4/IPv6/MAC ACL entries (ingress)	20,480/5,120/20,480
	IPv4/IPv6/MAC ACL entries (engress)	8,192/2,048/8,192
	VRF	256
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C), up to 5,000 feet 32°F to 104°F (0°C to 40°C), 5,001 to 10,000 feet 1°C de-rating per 1,000 feet above 5,000 feet Can support excursion to 131°F (55°C) for short periods[1] of time.
	Operating humidity	15% to 95% relative humidity at 104°F (40°C), non-condensing
	Non-operating temperature	-40°F to 158°F ('-40°C to 70°C)
	Non-operating humidity	15% to 95% relative humidity at 149°F(65°C), non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	Up to 15,000ft (3.048 Km)
	Acoustic	Sound power, LWAd = 4.6 Bel Sound pressure, LpAm (bystander) = 28.7 dB
	Primary airflow	Front and side-to-back
Electrical characteristics	**Frequency**	50-60 Hz
	AC voltage	JL085A PSU: 100V-240V
	Current (for voltages listed above)	JL085A PSU: 3A/1.2A
	Power Consumption (230VAC)	Idle: 56W 100% traffic rate: 75W
Safety	**Europe:** EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013 **US:** UL 60950-1 2nd Ed.. **Canada:** CAN/CSA-C22.2 No. 60950-1-07 **Worldwide:** IEC 60950-1:2005 w/all known National Deviations	
Emissions	**Europe:** EN 55022:2010, Class A EN 55032:2012, Class A EN 55024:2010, EN 61000-3-2:2014 EN 61000-3-3:2013 **US:** FCC part 15 Class A **Canada:** ICES-003 Class A **Worldwide:** VCCI Class A, CISPR 22 Class A CISPR 32 Class A CISPR 24:2010	
Lasers	EN 60825-1:2007 / IEC 60825-1:2007 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)	
Immunity	**Generic**	CISPR 24 / CISPR 35
	EN	EN 55024:2010 / EN 55035:2017
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8

Technical Specifications

	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	IEC 61000-3-2, EN 61000-3-2
	Flicker	IEC 61000-3-3, EN 61000-3-3
Notes: [1] Not more than 96 consecutive hours or 360 hours total or 15 occurrences in a 1-year period.		

HPE Aruba Networking 6300M 24-port 1GbE and 4-port SFP56 Switch (JL664A)		
Description	24x ports 10/100/1000 BaseT PoE+ ports supporting up to 30W per port 4x 1G/10G/25G/50G[1] SFP ports 1x USB-C Console Port 1x OOBM port 1x USB Type A Host port 1x Bluetooth dongle to be used with CX Mobile App **Notes:** [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.	
Power supplies	2 field-replaceable, hot-swappable power supply slots 1 minimum power supply required (ordered separately) Supports JL085A PSU	
Fan tray	The switch has two fan tray slots and comes with one fan tray installed. Fan trays are field replaceable and hot-swappable. Minimum 1 fan tray required. Second fan tray ordered separately. Each fan tray is comprised of two fans.	
Physical characteristics	**Dimensions**	17.4 (w) x 15.2 (d) x 1.73 (h) in (44.2 x 38.5 x 4.4 cm)
	Weight	11.97 lbs (5.43 kg)
Mounting and enclosure	Mounts in an EIA- standard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz	
Memory and Flash	8 GBytes DDR4 32 GBytes eMMC	
Packet Buffer	8 MB packet buffer memory	
Performance	**System switching capacity**	880 Gbps
	System throughput capacity	660 Mpps
	Model switching capacity	448 Gbps
	Model throughput capacity	334 Mpps
	Average latency (LIFO, 64-byte packets)	1Gbps: 2.28µSec 10Gbps: 1.46µSec 25Gbps: 1.90µSec 50Gbps: 3.49µSec
	Stack size	10 members
	Max stacking distance	Up to 10 kms with long range transceivers
	Stacking bandwidth	200 Gbps (400 Gbps at full duplex)
	Switched virtual interfaces (dual stack)	1,024
	IPv4 host table (ARP)	49,152
	IPv6 host table (ND)	49,152
	IPv4 unicast routes	61,000
	IPv6 unicast routes	61,000
	IPv4 multicast routes	8,192
	IPv6 multicast routes	8,192

Technical Specifications

	MAC table capacity	32,768
	IGMP groups	8,192
	MLD groups	8,192
	IPv4/IPv6/MAC ACL entries (ingress)	20,480/5,120/20,480
	IPv4/IPv6/MAC ACL entries (engress)	8,192/2,048/8,192
	VRF	256
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C), up to 5,000 feet 32°F to 104°F (0°C to 40°C), 5,001 to 10,000 feet 1°C de-rating per 1,000 feet above 5,000 feet Can support excursion to 131°F (55°C) for short periods[1] of time.
	Operating humidity	15% to 95% relative humidity at 104°F (40°C), non-condensing
Environment	**Non-operating temperature**	-40°F to 158°F ('-40°C to 70°C)
	Non-operating humidity	15% to 95% relative humidity at 149°F(65°C), non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	Up to 15,000ft (3.048 Km)
	Acoustic	Sound power, LWAd = 4.6 Bel Sound pressure, LpAm (bystander) = 28.6 dB
	Primary airflow	Front and side-to-back
Electrical Characteristics	**Frequency**	50-60 Hz
	AC voltage	JL085A PSU: 100V-240V
	Current (for voltages listed above)	JL085A PSU: 3A/1.2A
	Power Consumption (230VAC)	Idle: 49W 100% traffic rate: 64W
Safety	**Europe:** EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013 **US:** UL 60950-1 2nd Ed. **Canada:** CAN/CSA-C22.2 No. 60950-1-07 **Worldwide:** IEC 60950-1:2005 w/all known National Deviations	
Emissions	**Europe:** EN 55022:2010, Class A EN 55032:2012, Class A EN 55024:2010, EN 61000-3-2:2014 EN 61000-3-3:2013 **US:** FCC part 15 Class A **Canada:** ICES-003 Class A **Worldwide:** VCCI Class A, CISPR 22 Class A CISPR 32 Class A CISPR 24:2010	
Lasers	EN 60825-1:2007 / IEC 60825-1:2007 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)	
Immunity	**Generic**	CISPR 24 / CISPR 35
	EN	EN 55024:2010 / EN 55035:2017
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11

Technical Specifications

	Harmonics	IEC 61000-3-2, EN 61000-3-2
	Flicker	IEC 61000-3-3, EN 61000-3-3
Notes: [1] Not more than 96 consecutive hours or 360 hours total or 15 occurrences in a 1-year period.		

HPE Aruba Networking 6300M 48-port 1GbE and 4-port SFP56 Power-to-Port 2 Fan Trays 1 PSU Bundle (JL762A)		
Description	24x ports 10/100/1000 BaseT PoE+ ports supporting up to 30W per port 4x 1G/10G/25G/50G[1] SFP ports 1x USB-C Console Port 1x OOBM port 1x USB Type A Host port 1x Bluetooth dongle to be used with AOS-CX Mobile App **Notes:** [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.	
Additional ports and slots	1x USB-C console port 1x OOBM 1x USB Type A host portJL 1x Bluetooth dongle to be used with CX Mobile App	
Power supplies	2 field-replaceable, hot-swappable power supply slots Comes with 1 power-to-port power supply pre-installed Additional power-to-port power supply can be ordered separately Supports JL760A HPE Aruba Networking X371 12VDC 250W 100-240VAC Power-to-Port Power Supply only	
Fan tray	Switch has two fan tray slots and comes with two fan trays installed Fan trays are field replaceable and hot-swappable. Minimum 2 fan trays required. Second fan tray ordered separately Each fan tray is comprised of two fans Supports JL761A HPE Aruba Networking CX 6300M Power-to-Port Fan Tray only	
Physical characteristics	**Dimensions**	17.4 (w) x 15.2 (d) x 1.73 (h) in (44.2 x 38.5 x 4.4 cm)
	Weight	12.5 lbs (5.7 kg), with 1 PSU 13.8 lbs (6.27kg), with 2 PSUs
Mounting and enclosure	Mounts in an EIA- standard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz	
Memory and Flash	8 GBytes DDR4 32 GBytes eMMC	
Packet Buffer	8 MB shared packet buffer memory	
Performance	**System switching capacity**	880 Gbps
	System throughput capacity	660 Mpps
	Model switching capacity	496 Gbps
	Model throughput capacity	369 Mpps
	Average latency (LIFO, 64-byte packets)	1Gbps: 2.28µSec 10Gbps: 1.46µSec 25Gbps: 1.90µSec 50Gbps: 3.49µSec
	Stack size	10 members
	Max stacking distance	Up to 10 kms with long range transceivers
	Stacking bandwidth	200 Gbps (400 Gbps at full duplex)
	Switched virtual interfaces (dual stack)	1,024

Technical Specifications

	IPv4 host table (ARP)	49,152
	IPv6 host table (ND)	49,152
	IPv4 unicast routes	61,000
	IPv6 unicast routes	61,000
	IPv4 multicast routes	8,192
	IPv6 multicast routes	8,192
	MAC table capacity	32,768
	IGMP groups	8,192
	MLD groups	8,192
	IPv4/IPv6/MAC ACL entries (ingress)	20,480/5,120/20,480
	IPv4/IPv6/MAC ACL entries (engress)	8,192/2,048/8,192
	VRF	256
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C), up to 5,000 feet 32°F to 104°F (0°C to 40°C), 5,001 to 10,000 feet 1°C de-rating per 1,000 feet above 5,000 feet Can support excursion to 131°F (55°C) for short periods[1] of time.
	Operating humidity	15% to 95% relative humidity at 104°F (40°C), non-condensing
	Non-operating temperature	-40°F to 158°F ('-40°C to 70°C)
	Non-operating humidity	15% to 90% relative humidity at 149°F(65°C), non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	Up to 15,000ft (3.048 Km)
	Acoustic	Sound power, LWAd = 4.6 Bel Sound pressure, LpAm (bystander) = 28.7 dB
	Primary airflow	Back-to-front and side
Electrical Characteristics	**Frequency**	50-60 Hz
	AC voltage	JL760A PSU: 100V-240V
	Current (for voltages listed above)	JL760A PSU: 3A/1.2A
	80plus.org certification	TBA for JL760A PS.
	Power Consumption (230VAC)	Idle: 56W 100% traffic rate: 75W
Safety	**Europe:** EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013, EN 62368-1:2014 +A11:2017 **US:** UL 60950-1 2nd Ed.. **Canada:** CAN/CSA-C22.2 No. 60950-1-07 **Worldwide:** IEC 60950-1:2005 w/all known National Deviations **Taiwan:** CNS-14336-1	
Emissions	**Europe:** EN 55032:2015 +AC:2016, Class A, EN 55035:2017, EN 61000-3-2:2014, EN 61000-3-3:2013 **US:** FCC 47 CFR part 15B, Class A **Canada:** ICES-003 Class A **Worldwide:** VCCI Class A, CISPR 32 Ed 2.0: 2015 + COR1:2016, Class A, CISPR 35:2016	
Lasers	EN 60825-1:2007 / IEC 60825-1:2007 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)	
Immunity	**Generic**	CISPR 35
	EN	EN 55035:2017

Technical Specifications

	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	IEC 61000-3-2, EN 61000-3-2
	Flicker	IEC 61000-3-3, EN 61000-3-3
Notes: [1] Not more than 96 consecutive hours or 360 hours total or 15 occurrences in a 1-year period.		

HPE Aruba Networking 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL665A)		
Description	48x ports 10/100/1000 BaseT PoE+ ports supporting up to 30W per port 1G/10G/25G/50G[1] SFP ports Supports PoE Standards IEEE 802.3af, 802.3at 1x USB-C Console Port 1x OOBM port 1x USB Type A Host port 1x Bluetooth dongle to be used with CX Mobile App **Notes:** [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.	
Power Supplies	Internal (fixed) power supply (950W) Max PoE power: 740W	
Fan Tray	Fixed fans	
Physical Characteristics	**Dimensions**	17.4 (w) x 12.9 (d) x 1.73 (h) in (44.2 cm x 32.7 x 4.39 cm))
	Weight	11.24 lbs (5.10 kg)
Mounting And Enclosure	Mounts in an EIA- standard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz	
Memory And Flash	8 GBytes DDR4 32 GBytes eMMC	
Packet Buffer	8 MB packet buffer memory	
Performance	**System switching capacity**	880 Gbps
	System throughput capacity	660 Mpps
	Model switching capacity	496 Gbps
	Model throughput capacity	369 Mpps
	Average latency (LIFO, 64-byte packets)	1Gbps: 2.28µSec 10Gbps: 1.46µSec 25Gbps: 1.90µSec 50Gbps: 3.49µSec
	Stack size	10 members
	Max stacking distance	Up to 10 kms with long range transceivers
	Stacking bandwidth	200 Gbps (400 Gbps at full duplex)
	Switched virtual interfaces (dual stack)	1,024
	IPv4 host table (ARP)	49,152
	IPv6 host table (ND)	49,152

Technical Specifications

	IPv4 unicast routes	61,000
	IPv6 unicast routes	61,000
	IPv4 multicast routes	8,192
	IPv6 multicast routes	8,192
	MAC table capacity	32,768
	IGMP groups	8,192
	MLD groups	8,192
	IPv4/IPv6/MAC ACL entries (ingress)	20,480/5,120/20,480
	IPv4/IPv6/MAC ACL entries (engress)	8,192/2,048/8,192
	VRF	256
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C), up to 5,000 feet 32°F to 104°F (0°C to 40°C), 5,001 to 10,000 feet 1°C de-rating per 1,000 feet above 5,000 feet Can support excursion to 131°F (55°C) for short periods[1] of time.
	Operating	15% to 95% relative humidity at 104°F (40°C), non-condensing
	Non-operating temperature	40°F to 158°F ('-40°C to 70°C)
	Non-operating humidity	15% to 95% relative humidity at 149°F(65°C), non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	Up to 15,000ft (3.048 Km)
	Acoustic	Sound power, LWAd = 5.2 Bel Sound pressure, LpAm (bystander) = 34.9 dB
	Primary airflow	Front and side-to-back
Electrical Characteristics	**Frequency**	50-60 Hz
	AC voltage	Fixed PSU: 100V-120V/200V-240V
	Current (for voltages listed above)	Fixed PSU: 11A/6A
	Power Consumption (230VAC)	Hibernation (0 rpm fan): 12W Idle: 63W 100% traffic rate: 86W
Safety	**Europe:** EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013 **US:** UL 60950-1 2nd Ed.. **Canada:** CAN/CSA-C22.2 No. 60950-1-07 **Worldwide:** IEC 60950-1:2005 w/all known National Deviations	
Emissions	**Europe:** EN 55022:2010, Class A EN 55032:2012, Class A EN 55024:2010, EN 61000-3-2:2014 EN 61000-3-3:2013 **US:** FCC part 15 Class A **Canada:** ICES-003 Class A **Worldwide:** VCCI Class A, CISPR 22 Class A CISPR 32 Class A CISPR 24:2010	
Lasers	EN 60825-1:2007 / IEC 60825-1:2007 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)	
Immunity	**Generic**	CISPR 24 / CISPR 35
	EN	EN 55024:2010 / EN 55035:2017
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5

Technical Specifications

	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	IEC 61000-3-2, EN 61000-3-2
	Flicker	IEC 61000-3-3, EN 61000-3-3
Notes: [1] Not more than 96 consecutive hours or 360 hours total or 15 occurrences in a 1-year period.		

HPE Aruba Networking 6300F 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL666A)		
Description	24x ports 10/100/1000 BaseT PoE+ ports supporting up to 30W per port 1G/10G/25G/50G[1] SFP ports 1x USB-C Console Port 1x OOBM port 1x USB Type A Host port 1x Bluetooth dongle to be used with CX Mobile App **Notes:** [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.	
Power Supplies	Internal (fixed) power supply (950W)	
	Max PoE power: 370W	
Fan Tray	Fixed fans	
Physical Characteristics	**Dimensions**	17.4 (w) x 12.9 (d) x 1.73 (h) in (44.2 cm x 32.7 x 4.39 cm))
	Weight	10.91 lbs (4.95 kg)
Mounting And Enclosure	Mounts in an EIA- standard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz	
Memory And Flash	8 GBytes DDR4 32 GBytes eMMC	
Packet Buffer	8 MB packet buffer memory	
Performance	**System switching capacity**	880 Gbps
	System throughput capacity	660 Mpps
	Model switching capacity	448 Gbps
	Model throughput capacity	334 Mpps
	Average latency (LIFO, 64-byte packets)	1Gbps: 2.28µSec 10Gbps: 1.46µSec 25Gbps: 1.90µSec 50Gbps: 3.49µSec
	Stack size	10 members
	Max stacking distance	Up to 10 kms with long range transceivers
	Stacking bandwidth	200 Gbps (400 Gbps at full duplex)
	Switched virtual interfaces (dual stack)	1,024
	IPv4 host table (ARP)	49,152
	IPv6 host table (ND)	49,152
	IPv4 unicast routes	61,000
	IPv6 unicast routes	61,000
	IPv4 multicast routes	8,192
	IPv6 multicast routes	8,192
	MAC table capacity	32,768

Technical Specifications

	IGMP groups	8,192
	MLD groups	8,192
	IPv4/IPv6/MAC ACL entries (ingress)	20,480/5,120/20,480
	IPv4/IPv6/MAC ACL entries (engress)	8,192/2,048/8,192
	VRF	256
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C), up to 5,000 feet 32°F to 104°F (0°C to 40°C), 5,001 to 10,000 feet 1°C de-rating per 1,000 feet above 5,000 feet Can support excursion to 131°F (55°C) for short periods[1] of time.
	Operating humidity	15% to 95% relative humidity at 104°F (40°C), non-condensing
	Non-operating temperature	-40°F to 158°F ('-40°C to 70°C)
	Non-operating humidity	15% to 95% relative humidity at 149°F(65°C), non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	Up to 15,000ft (3.048 Km)
	Acoustic	Sound power, LWAd = 5.0 Bel Sound pressure, LpAm (bystander) = 32.3 dB
	Primary airflow	Front and side-to-back
Electrical Characteristics	**Frequency**	50-60 Hz
	AC voltage	Fixed PSU: 100V-120V/200V-240V
	Current (for voltages listed above)	Fixed PSU: 11A/6A
	Power Consumption (230VAC)	Idle: 52W 100% traffic rate: 67W
Safety	**Europe:** EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013 **US:** UL 60950-1 2nd Ed **Canada:** CAN/CSA-C22.2 No. 60950-1-07 **Worldwide:** IEC 60950-1:2005 w/all known National Deviations	
Emissions	**Europe:** EN 55022:2010, Class A EN 55032:2012, Class A EN 55024:2010, EN 61000-3-2:2014 EN 61000-3-3:2013 **US:** FCC part 15 Class A **Canada:** ICES-003 Class A **Worldwide:** VCCI Class A, CISPR 22 Class A CISPR 32 Class A CISPR 24:2010	
Lasers	EN 60825-1:2007 / IEC 60825-1:2007 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)	
Immunity	**Generic**	CISPR 24 / CISPR 35
	EN	EN 55024:2010 / EN 55035:2017
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	IEC 61000-3-2, EN 61000-3-2

Technical Specifications

	Flicker	IEC 61000-3-3, EN 61000-3-3
Notes: [1] Not more than 96 consecutive hours or 360 hours total or 15 occurrences in a 1-year period.		

HPE Aruba Networking 6300F 48-port 1GbE and 4-port SFP56 Switch (JL667A)		
Description	48x ports 10/100/1000 BaseT PoE+ ports supporting up to 30W per port 1G/10G/25G/50G[1] SFP ports 1x USB-C Console Port 1x OOBM port 1x USB Type A Host port 1x Bluetooth dongle to be used with CX Mobile App **Notes:** [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.	
Power Supplies	Internal (fixed) power supply (200W)	
Fan Tray	Fixed fans	
Physical Characteristics	**Dimensions**	17.4 (w) x 12.9 (d) x 1.73 (h) in (44.2 cm x 32.7 x 4.39 cm))
	Weight	9.83 lbs (4.46 kg)
Mounting And Enclosure	Mounts in an EIA- standard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz	
Memory And Flash	8 GBytes DDR4 32 GBytes eMMC	
Packet Buffer	8 MB packet buffer memory	
Performance	**System switching capacity**	880 Gbps
	System throughput capacity	660 Mpps
	Model switching capacity	496 Gbps
	Model throughput capacity	369 Mpps
	Average latency (LIFO, 64-byte packets)	1Gbps: 2.28µSec 10Gbps: 1.46µSec 25Gbps: 1.90µSec 50Gbps: 3.49µSec
	Stack size	10 members
	Max stacking distance	Up to 10 kms with long range transceivers
	Stacking bandwidth	200 Gbps (400 Gbps at full duplex)
	Switched virtual interfaces (dual stack)	1,024
	IPv4 host table (ARP)	49,152
	IPv6 host table (ND)	49,152
	IPv4 unicast routes	61,000
	IPv6 unicast routes	61,000
	IPv4 multicast routes	8,192
	IPv6 multicast routes	8,192
	MAC table capacity	32,768
	IGMP groups	8,192
	MLD groups	8,192
	IPv4/IPv6/MAC ACL entries (ingress)	20,480/5,120/20,480
	IPv4/IPv6/MAC ACL entries (engress)	8,192/2,048/8,192
	VRF	256

Technical Specifications

Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C), up to 5,000 feet 32°F to 104°F (0°C to 40°C), 5,001 to 10,000 feet 1°C de-rating per 1,000 feet above 5,000 feet Can support excursion to 131°F (55°C) for short periods[1] of time.
	Operating humidity	15% to 95% relative humidity at 104°F (40°C), non-condensing
	Non-operating temperature	-40°F to 158°F ('-40°C to 70°C)
	Non-operating humidity	15% to 95% relative humidity at 149°F(65°C), non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	Up to 15,000ft (3.048 Km)
	Acoustic	Sound power, LWAd = 4.9 Bel Sound pressure, LpAm (bystander) = 31.5 dB
	Primary airflow	Front and side-to-back
Electrical Characteristics	**Frequency**	50-60 Hz
	AC voltage	Fixed PSU: 100V-120V/200V-240V
	Current (for voltages listed above)	Fixed PSU: 2.5A/1.4A
	Power Consumption (230VAC)	Idle: 52W 100% traffic rate: 74W
Safety	**Europe:** EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013 **US:** UL 60950-1 2nd Ed.. **Canada:** CAN/CSA-C22.2 No. 60950-1-07 **Worldwide:** IEC 60950-1:2005 w/all known National Deviations	
Emissions	**Europe:** EN 55022:2010, Class A EN 55032:2012, Class A EN 55024:2010, EN 61000-3-2:2014 EN 61000-3-3:2013 **US:** FCC part 15 Class A **Canada:** ICES-003 Class A **Worldwide:** VCCI Class A, CISPR 22 Class A CISPR 32 Class A CISPR 24:2010	
Lasers	EN 60825-1:2007 / IEC 60825-1:2007 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)	
Immunity	**Generic**	CISPR 24 / CISPR 35
	EN	EN 55024:2010 / EN 55035:2017
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	IEC 61000-3-2, EN 61000-3-2
	Flicker	IEC 61000-3-3, EN 61000-3-3
Notes: [1] Not more than 96 consecutive hours or 360 hours total or 15 occurrences in a 1-year period.		

Technical Specifications

HPE Aruba Networking 6300F 24-port 1GbE and 4-port SFP56 Switch (JL668A)		
Description	24x ports 10/100/1000 BaseT PoE+ ports supporting up to 30W per port 1G/10G/25G/50G[1] SFP ports 1x USB-C Console Port 1x OOBM port 1x USB Type A Host port 1x Bluetooth dongle to be used with CX Mobile App **Notes:** [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G SR transceivers have been added with a minimum software of 10.09.1010. VSF stacking not supported on 1G ports.	
Additional Ports And Slots	1x USB-C console port 1x OOBM 1x USB Type A host port 1x Bluetooth dongle to be used with CX Mobile App	
Power Supplies	Internal (fixed) power supply (200W)	
Fan Tray	Fixed fans	
Physical Characteristics	**Dimensions**	17.4 (w) x 12.9 (d) x 1.73 (h) in (44.2 cm x 32.7 x 4.39 cm))
	Weight	9.61 lbs (4.36 kg)
Mounting And Enclosure	Mounts in an EIA- standard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz	
Memory And Flash	8 GBytes DDR4 32 GBytes eMMC	
Packet Buffer	8 MB packet buffer memory	
Performance	**System switching capacity**	880 Gbps
	System throughput capacity	660 Mpps
	Model switching capacity	448 Gbps
	Model throughput capacity	334 Mpps
	Average latency (LIFO, 64-byte packets)	1Gbps: 2.28µSec 10Gbps: 1.46µSec 25Gbps: 1.90µSec 50Gbps: 3.49µSec
	Stack size	10 members
	Max stacking distance	Up to 10 kms with long range transceivers
	Stacking bandwidth	200 Gbps (400 Gbps at full duplex)
	Switched virtual interfaces (dual stack)	1,024
	IPv4 host table (ARP)	49,152
	IPv6 host table (ND)	49,152
	IPv4 unicast routes	61,000
	IPv6 unicast routes	61,000
	IPv4 multicast routes	8,192
	IPv6 multicast routes	8,192
	MAC table capacity	32,768
	IGMP groups	8,192
	MLD groups	8,192
	IPv4/IPv6/MAC ACL entries (ingress)	20,480/5,120/20,480
	IPv4/IPv6/MAC ACL entries (engress)	8,192/2,048/8,192

Technical Specifications

	VRF	256
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C), up to 5,000 feet 32°F to 104°F (0°C to 40°C), 5,001 to 10,000 feet 1°C de-rating per 1,000 feet above 5,000 feet Can support excursion to 131°F (55°C) for short periods[1] of time.
	Operating humidity	15% to 95% relative humidity at 104°F (40°C), non-condensing
	Non-operating temperature	-40°F to 158°F ('-40°C to 70°C)
	Non-operating humidity	15% to 95% relative humidity at 149°F(65°C), non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	Up to 15,000ft (3.048 Km)
	Acoustic	Sound power, LWAd = 4.9 Bel Sound pressure, LpAm (bystander) = 31.6 dB
	Primary airflow	Front and side-to-back
Electrical Characteristics	**Frequency**	50-60 Hz
	AC voltage	Fixed PSU: 100V-120V/200V-240V
	Current (for voltages listed above)	Fixed PSU: 2.5A/1.4A
	Power Consumption (230VAC)	Idle: 49W 100% traffic rate: 63W
Safety	**Europe:** EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013 **US:** UL 60950-1 2nd Ed.. **Canada:** CAN/CSA-C22.2 No. 60950-1-07 **Worldwide:** IEC 60950-1:2005 w/all known National Deviations	
Emissions	**Europe:** EN 55022:2010, Class A EN 55032:2012, Class A EN 55024:2010, EN 61000-3-2:2014 EN 61000-3-3:2013 **US:** FCC part 15 Class A **Canada:** ICES-003 Class A **Worldwide:** VCCI Class A, CISPR 22 Class A CISPR 32 Class A CISPR 24:2010	
Lasers	EN 60825-1:2007 / IEC 60825-1:2007 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)	
Immunity	**Generic**	CISPR 24 / CISPR 35
	EN	EN 55024:2010 / EN 55035:2017
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	IEC 61000-3-2, EN 61000-3-2
	Flicker	IEC 61000-3-3, EN 61000-3-3
Notes: [1] Not more than 96 consecutive hours or 360 hours total or 15 occurrences in a 1-year period.		

Technical Specifications

Standards and Protocols

Applies to all products in series

- ANSI/TIA-1057 LLDP Media Endpoint Discovery (LLDP-MED)
- CPU DoS Protection
- Bootstrap Router (BSR) Mechanism for PIM, PIM WG
- Draft-ietf-savi-mix
- IEEE 802.1AB-2005
- IEEE 802.1ak-2007
- IEEE 802.1AX-2008 Link Aggregation
- IEEE 802.1D MAC Bridges
- IEEE 802.1p Priority
- IEEE 802.1Q VLANs
- IEEE 802.1s Multiple Spanning Trees
- IEEE 802.1t-2001
- IEEE 802.1v VLAN classification by Protocol and Port
- IEEE 802.1w Rapid Reconfiguration of Spanning Tree
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3ad Link Aggregation Control Protocol (LACP)
- IEEE 802.3ae 10-Gigabit Ethernet
- IEEE 802.3af Power over Ethernet
- IEEE 802.3at Power over Ethernet
- IEEE 802.3bt Power over Ethernet
- IEEE 802.3az Energy Efficient Ethernet (EEE)
- IEEE 802.3x Flow Control
- IEEE 802.3z 1000BASE-X
- RFC 783 TFTP Protocol (revision 2)
- RFC 791 IP
- RFC 792 ICMP
- RFC 793 TCP
- RFC 813 Window and Acknowledgement Strategy in TCP
- RFC 815 IP datagram reassembly algorithms
- RFC 826 ARP
- 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 951 BOOTP
- RFC 1027 Proxy ARP
- RFC 1122 Requirements for Internet Hosts - Communications Layers
- RFC 1215 Convention for defining traps for use with the SNMP
- RFC 1256 ICMP Router Discovery Messages
- RFC 1350 TFTP Protocol (revision 2)
- RFC 1393 Traceroute Using an IP Option
- RFC 1403 BGP OSPF Interaction
- RFC 1519 CIDR
- RFC 1542 BOOTP Extensions
- RFC 1583 OSPF Version 2
- RFC 1591 Domain Name System Structure and Delegation

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- RFC 1657 Definitions of Managed Objects for BGP-4 using SMIv2
- RFC 1772 Application of the Border Gateway Protocol on the Internet
- RFC 1757 Remote Network Monitoring Management Information Base
- RFC 1812 Requirements for IP Version 4 Router
- RFC 1918 Address Allocation for Private Internet
- RFC 1997 BGP Communities Attribute
- RFC 1998 An Application of the BGP Community Attribute in Multi-home Routing
- RFC 2131 DHCP
- RFC 2132 DHCP Options and BOOTP Vendor Extensions
- RFC 2236 IGMP
- RFC 2328 OSPF Version 2
- RFC 2375 IPv6 Multicast Address Assignments
- 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 2439 BGP Route Flap Damping
- RFC 2460 Internet Protocol, Version 6 (IPv6) Specification
- RFC 2464 Transmission of IPv6 over Ethernet Networks
- RFC 2545 Use of BGP-4 Multiprotocol Extensions for IPv6 Inter-Domain Routing
- RFC 2576 (Coexistence between SNMP V1, V2, V3)
- RFC 2579 (SMIv2 Text Conventions)
- RFC 2580 (SMIv2 Conformance)
- RFC 2710 Multicast Listener Discovery (MLD) for IPv6
- RFC 2711 IPv6 Router Alert Option
- RFC 2787 Definitions of Managed Objects for the Virtual Router Redundancy Protocol
- RFC 2918 Route Refresh Capability for BGP-4
- RFC 2925 Definitions of Managed Objects for Remote Ping, Traceroute, and Lookup Operations (Ping only)
- RFC 2934 Protocol Independent Multicast MIB for IPv4
- RFC 3019 MLDv1 MIB
- RFC 3046 DHCP Relay Agent Information Option
- RFC 3056 Connection of IPv6 Domains via IPv4 Clouds
- RFC 3065 Autonomous System Confederation for BGP
- RFC 3068 An Anycast prefix for 6to4 Relay Route
- RFC 3101 OSPF Not-so-stubby-area option
- RFC 3137 OSPF Stub Router Advertisement sFlow
- RFC 3376 IGMPv3
- RFC 3416 (SNMP Protocol Operations v2)
- RFC 3417 (SNMP Transport Mappings)
- RFC 3418 Management Information Base (MIB) for the Simple Network Management Protocol (SNMP)
- RFC 3484 Default Address Selection for IPv6
- RFC 3509 Alternative Implementations of OSPF Area Border Routers
- RFC 3575 IANA Considerations for RADIUS
- RFC 3623 Graceful OSPF Restart
- RFC 3768 VRRP
- RFC 3810 Multicast Listener Discovery Version 2 (MLDv2) for IPv6
- RFC 3973 PIM Dense Mode
- RFC 4022 MIB for TCP
- RFC 4113 MIB for UDP
- RFC 4213 Basic Transition Mechanisms for IPv6 Hosts and Routers
- RFC 4251 The Secure Shell (SSH) Protocol

Technical Specifications

- RFC 4252 SSHv6 Authentication
- RFC 4253 SSHv6 Transport Layer
- RFC 4254 SSHv6 Connection
- 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 4419 Key Exchange for SSH
- RFC 4443 ICMPv6
- RFC 4456 BGP Route Reflection: An Alternative to Full Mesh Internal BGP (IBGP)
- RFC 4486 Subcodes for BGP Cease Notification Message
- RFC 4541 IGMP & MLD Snooping Switch
- RFC 4552 Authentication/Confidentiality for OSPFv3
- RFC 4601 PIM Sparse Mode
- RFC 4607 Source-Specific Multicast for IP
- RFC 4675 RADIUS VLAN & Priority
- RFC 4724 Graceful Restart Mechanism for BGP
- RFC 4750 OSPFv2 MIB partial support no SetMIB
- RFC 4760 Multiprotocol Extensions for BGP-4
- RFC 4861 IPv6 Neighbor Discovery
- RFC 4862 IPv6 Stateless Address Auto-configuration
- RFC 4940 IANA Considerations for OSPF
- RFC 5065 Autonomous System Confederation for BGP
- RFC 5095 Deprecation of Type 0 Routing Headers in IPv6
- RFC 5187 OSPFv3 Graceful Restart
- RFC 5340 OSPFv3 for IPv6
- RFC 5424 Syslog Protocol
- RFC 5492 Capabilities Advertisement with BGP-4
- RFC 5519 Multicast Group Membership Discovery MIB (MLDv2 only)
- RFC 5701 IPv6 Address Specific BGP Extended Community Attribute
- RFC 5722 Handling of Overlapping IPv6 Fragments
- RFC 5798 VRRP (exclude Accept Mode and sub-sec timer)
- RFC 5880 Bidirectional Forwarding Detection
- RFC 5905 Network Time Protocol Version 4: Protocol and Algorithms Specification
- RFC 6620 FCFS SAVI
- RFC 6987 OSPF Stub Router Advertisement
- RFC 7047 The Open vSwitch Database Management Protocol
- RFC 7313 Enhanced Route Refresh Capability for BGP-4
- RFC 8201 Path MTU Discovery for IP version 6
- SNMPv1/v2c/v3
- ITU-T Rec G.8032/Y.1344 Mar. 2010
- 2.5G/5GBASE-T (IEEE 802.3bz-2016), 2.5G/5G NBASE-T
- 10GBASE-T (IEEE 802.3an-2006)
- 25-Gigabit Ethernet (IEEE 802.3by-2016, 802.3cc-2017)
- 40-Gigabit Ethernet (IEEE 802.3ba-2010)
- 50-Gigabit Ethernet (IEEE 802.3cd-2018)
- 100-Gigabit Ethernet (IEEE 802.3ba-2010, 802.3bj-2014, 802.3bm-2014)

HPE Aruba Networking Data Center Solution

New HPE Aruba Networking Data Center Solution SKUs

HPE and HPE Aruba Networking offer customers highly differentiated pre-engineered IT infrastructure solutions that span a wide variety HPE compute, HPE storage, HPE Aruba Networking that span virtualization, vSAN, HCI, HPC, MCS, Microsoft, SAP HANA, Vmware, Nutanix application and IaaS service offerings. HPE Aruba Networking 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 HPE and HPE Aruba Networking integrated solutions receive simplified ordering and the highest-level of customer service and support, HPE Aruba Networking has created a special tracking HPE Aruba Networking Data Center SKUs for HPE deployments that identifies these integrated solutions to ensure they receive rapid support triage and streamlines escalation through HPE Services. Please use these new tracking SKUs when HPE Aruba Networking CX switches are included in HPE integrated and mixed HPE compute, HPE storage and HPE Aruba Networking configuration and deployments.

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

HPE Aruba Networking CX 6300 DC Switch Series

BTO Models

Rule #	Description	SKU
1, 2, 3, 4, 5, 6	Aruba 6300M 48G Power to Port Airflow 2 Fans 1 Power Supply Unit Bundle for HPE • HPE Aruba Networking 6300M 48-port 1GbE and 4-port SFP56 Power-to-Port 2 Fan Trays 1 PSU Bundle • Includes 1 Pwr2Prt PSU, can select Min0 / Max1 (250W R9F61A) • Includes 2 Pwr2Prt Fan trays (R9F62A), with no open slots • Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver • 1U - Height	R9F63A
	Aruba 6300M 48G Power to Port Airflow 2 Fans 1 Power Supply Unit Bundle for HPE PDU • C15 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A)	R9F63A#B2B
	Aruba 6300M 48G Power to Port Airflow 2 Fans 1 Power Supply Unit Bundle for HPE PDU • C15 PDU Jumper Cord (ROW) (J9944A)	R9F63A#B2C
	Aruba 6300M 48G Power to Port Airflow 2 Fans 1 Power Supply Unit Bundle for HPE 220v • HPE 2.5m C15 to NEMA 6-20P Pwr Cord (JL336A)	R9F63A#B2E
	Aruba 6300M 48G Power to Port Airflow 2 Fans 1 Power Supply Unit Bundle for HPE No Loc • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	R9F63A#AC3

Configuration Rules

Rule #	Description	
1	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	Aruba 1G SFP LC SX 500m OM2 MMF Transceiver for HPE	R9F86A
	Aruba 1G SFP LC LX 10km SMF Transceiver	J4859D
	Aruba 1G SFP LC LH 70km SMF Transceiver	J4860D
	Aruba 1G SFP RJ45 T 100m Cat5e Transceiver for HPE	R9F87A
	Aruba 1G SFP LC SX 500m MMF TAA Transceiver for HPE	R9Q43A
	Aruba 1G SFP LC LX 10km SMF TAA Transceiver for HPE	R9Q44A
	Aruba 1G SFP RJ45 T 100m Cat5e TAA Transceiver for HPE	R9Q45A
2	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	Aruba 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver for HPE	R9F85A
	Aruba 10G SFP+ LC SR 300m OM3 MMF Transceiver for HPE	R9F82A
	Aruba 10G SFP+ LC LR 10km SMF Transceiver	J9151E
	Aruba 10G SFP+ LC ER 40km SMF Transceiver	J9153D
	Aruba 10G SFP+ LC SR 300m MMF TAA Transceiver for HPE	R9Q46A
	Aruba 10G SFP+ LC LR 10km SMF TAA Transceiver for HPE	R9Q47A

HPE Aruba Networking Data Center Solution

	Aruba 10G SFP+ to SFP+ 1m Direct Attach Copper Cable for HPE	R9F83A
	Aruba 10G SFP+ to SFP+ 3m Direct Attach Copper Cable for HPE	R9F84A
3	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	Aruba 25G SFP28 LC SR 100m MMF Transceiver for HPE	R9F89A
	Aruba 25G SFP28 LC eSR 400m MMF Transceiver for HPE	R9F90A
	Aruba 25G SFP28 LC LR 10km SMF Transceiver	JL486A
	Aruba 25G SFP28 to SFP28 0.65m Direct Attach Copper Cable for HPE	R9F91A
	Aruba 25G SFP28 to SFP28 3m Direct Attach Copper Cable for HPE	R9F92A
	Aruba 25G SFP28 to SFP28 5m Direct Attach Copper Cable for HPE	R9F93A
4	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	Aruba 50G SFP56 to SFP56 0.65m Direct Attach Copper Cable for HPE	R9G06A
	Aruba 50G SFP56 to SFP56 3m Direct Attach Copper Cable for HPE	R9G07A
5	Localization required on orders without B2B, B2C, B2E or AC3 options.	
6	The following Transceivers install into this Switch: (Use BTO only when adding to switch)	
	Aruba 100M SFP LC FX 2km MMF Transceiver for HPE	R9F88A

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. (Watson Default B2B or B2C for Rack Level CTO)
  - Switch/Router/Power Supply to Wall Power Cord - Localized Option (Watson 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 > DC Solutions Switches for HPE > AOS-CX: HPE Aruba Networking 6300 DC Switch Series

Rack Level Integration CTO Models

Rule #	Description	SKU
1, 2, 3, 4, 5, 6, 7	Aruba 6300M 48G Power to Port Airflow 2 Fans 1 Power Supply Unit Bundle for HPE • HPE Aruba Networking 6300M 48-port 1GbE and 4-port SFP56 Power-to-Port 2 Fan Trays 1 PSU Bundle • Includes 1 Pwr2Prt PSU, can select Min0 / Max1 (250W R9F61A) • Includes 2 Pwr2Prt Fan trays (R9F62A), with no open slots • Min=0 \ Max = 4 SFP/SFP+/SFP28/SFP56 1/10/25/50G Transceiver • 1U - Height	R9F63A
	Aruba 6300M 48G Power to Port Airflow 2 Fans 1 Power Supply Unit Bundle for HPE PDU • C15 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A)	R9F63A#B2B
	Aruba 6300M 48G Power to Port Airflow 2 Fans 1 Power Supply Unit Bundle for HPE PDU • C15 PDU Jumper Cord (ROW) (J9944A)	R9F63A#B2C
	Aruba 6300M 48G Power to Port Airflow 2 Fans 1 Power Supply Unit Bundle for HPE 220v • HPE 2.5m C15 to NEMA 6-20P Pwr Cord (JL336A)	R9F63A#B2E
	Aruba 6300M 48G Power to Port Airflow 2 Fans 1 Power Supply Unit Bundle for HPE No Loc • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	R9F63A#AC3

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 1G SFP LC SX 500m OM2 MMF Transceiver for HPE	R9F86A
	Aruba 1G SFP LC LX 10km SMF Transceiver	J4859D
	Aruba 1G SFP LC LH 70km SMF Transceiver	J4860D
	Aruba 1G SFP RJ45 T 100m Cat5e Transceiver for HPE	R9F87A
	Aruba 1G SFP LC SX 500m MMF TAA Transceiver for HPE	R9Q43A

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	Aruba 1G SFP LC LX 10km SMF TAA Transceiver for HPE	R9Q44A
	Aruba 1G SFP RJ45 T 100m Cat5e TAA Transceiver for HPE	R9Q45A
2	The following Transceivers install into this Switch: (Use 0D1 quoted to switch if switch is CTO) - if applicable:	
	Aruba 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver for HPE	R9F85A
	Aruba 10G SFP+ LC SR 300m OM3 MMF Transceiver for HPE	R9F82A
	Aruba 10G SFP+ LC LR 10km SMF Transceiver	J9151E
	Aruba 10G SFP+ LC ER 40km SMF Transceiver	J9153D
	Aruba 10G SFP+ LC SR 300m MMF TAA Transceiver for HPE	R9Q46A
	Aruba 10G SFP+ LC LR 10km SMF TAA Transceiver for HPE	R9Q47A
	Aruba 10G SFP+ to SFP+ 1m Direct Attach Copper Cable for HPE	R9F83A
	Aruba 10G SFP+ to SFP+ 3m Direct Attach Copper Cable for HPE	R9F84A
3	The following Transceivers install into this Switch: (Use 0D1 or B01 quoted to switch if switch is CTO) - if applicable:	
	Aruba 25G SFP28 LC SR 100m MMF Transceiver for HPE	R9F89A
	Aruba 25G SFP28 LC eSR 400m MMF Transceiver for HPE	R9F90A
	Aruba 25G SFP28 LC LR 10km SMF Transceiver	JL486A
	Aruba 25G SFP28 to SFP28 0.65m Direct Attach Copper Cable for HPE	R9F91A
	Aruba 25G SFP28 to SFP28 3m Direct Attach Copper Cable for HPE	R9F92A
	Aruba 25G SFP28 to SFP28 5m Direct Attach Copper Cable for HPE	R9F93A
4	The following Transceivers install into this Switch: (Use 0D1 or B01 quoted to switch if switch is CTO) - if applicable:	
	Aruba 50G SFP56 to SFP56 0.65m Direct Attach Copper Cable for HPE	R9G06A
	Aruba 50G SFP56 to SFP56 3m Direct Attach Copper Cable for HPE	R9G07A
5	Localization required on orders without B2B, B2C, B2E or AC3 options.	
6	If the CTO Switch Chassis needs to be racked, Then the CTO Base Model needs to integrate (with 0D1) to the HPE Network Rack.	
7	When Switches are Factory Racked with this power supply, Then B2B, or B2C should be the Defaulted Power Cable option on the Power Supplies. (See Drop down remark in “Power Supplies” section.)	
8	The following Transceivers install into this Switch: (Use BTO only when adding to switch) R9F88A - Aruba 100M SFP LC FX 2km MMF Transceiver for HPE	
	Aruba 100M SFP LC FX 2km MMF Transceiver for HPE	R9F88A

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 through the OCA Accessories tab

Transceivers

SFP Transceivers

Rule #	Description	SKU
	Aruba 100M SFP LC FX 2km MMF Transceiver for HPE	R9F88A
Notes:	Not supported in the SFP56 Ports	
	Aruba 1G SFP LC SX 500m OM2 MMF Transceiver for HPE	R9F86A
	Aruba 1G SFP LC LX 10km SMF Transceiver	J4859D
	Aruba 1G SFP LC LH 70km SMF Transceiver	J4860D
	Aruba 1G SFP RJ45 T 100m Cat5e Transceiver for HPE	R9F87A
	Aruba 1G SFP LC SX 500m MMF TAA Transceiver for HPE	R9Q43A
	Aruba 1G SFP LC LX 10km SMF TAA Transceiver for HPE	R9Q44A
	Aruba 1G SFP RJ45 T 100m Cat5e TAA Transceiver for HPE	R9Q45A

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SFP+ Transceivers

Rule #	Description	SKU
1	Aruba 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver for HPE	R9F85A
	Aruba 10G SFP+ LC SR 300m OM3 MMF Transceiver for HPE	R9F82A
	Aruba 10G SFP+ LC LR 10km SMF Transceiver	J9151E
	Aruba 10G SFP+ LC ER 40km SMF Transceiver	J9153D
	Aruba 10G SFP+ LC SR 300m MMF TAA Transceiver for HPE	R9Q46A
	Aruba 10G SFP+ LC LR 10km SMF TAA Transceiver for HPE	R9Q47A
	Aruba 10G SFP+ to SFP+ 1m Direct Attach Copper Cable for HPE	R9F83A
	Aruba 10G SFP+ to SFP+ 3m Direct Attach Copper Cable for HPE	R9F84A

SFP28 Transceivers

Rule #	Description	SKU
	Aruba 25G SFP28 LC SR 100m MMF Transceiver for HPE	R9F89A
	Aruba 25G SFP28 LC eSR 400m MMF Transceiver for HPE	R9F90A
	Aruba 25G SFP28 LC LR 10km SMF Transceiver	JL486A
	Aruba 25G SFP28 to SFP28 0.65m Direct Attach Copper Cable for HPE	R9F91A
	Aruba 25G SFP28 to SFP28 3m Direct Attach Copper Cable for HPE	R9F92A
	Aruba 25G SFP28 to SFP28 5m Direct Attach Copper Cable for HPE	R9F93A

SFP56 Transceivers

Rule #	Description	SKU
	Aruba 50G SFP56 to SFP56 0.65m Direct Attach Copper Cable for HPE	R9G06A
	Aruba 50G SFP56 to SFP56 3m Direct Attach Copper Cable for HPE	R9G07A

Switch Options

Fan Trays

R9F63A System (std 2 // max 2) User Selection (min 0 // max 0) per enclosure

Rule #	Description	SKU
1	Aruba 6300M Power to Port Airflow Fan Tray for HPE	R9F62A
Notes:	Spare only	

Configuration Rules

Rule #	Description	
1	The Following Switch is only compatible with this Power to Port FanTray;	
	Aruba 6300M 48G Power to Port Airflow 2 Fans 1 Power Supply Unit Bundle for HPE	R9F63A
Notes:	This switch includes 2 Fan Trays. No additional Fan Trays necessary"	

Rack Mount Kits

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

	Aruba 1U Universal 4-post Rack Mount Kit for HPE	R9F57A
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 and should nest to Rack.	

Air Duct Kit

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

1, 2, 3	Aruba Universal 4-post Duct Kit for HPE	R9F60A
Notes:	Only for Power to Port Bundles	

Configuration Rules

Rule #	Description	
1	The Following Switch is only compatible with this Power to Port FanTray;	
	Aruba 6300M 48G Power to Port Airflow 2 Fans 1 Power Supply Unit Bundle for HPE	R9F63A
2	For optimal performance, it is recommended that the user select the Duct Kit for Power to Port Switch Bundles	
3	If this Air Duct Kit is selected, then the following 4 Post Rack Mount kit must be selected:	
	Aruba 1U Universal 4-post Rack Mount Kit for HPE	R9F57A

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India PDU Cable

For R9F63A (std 0 // max 1) User Selection (min 0 // max 1) per enclosure

1 HPE 2.0m C13 to C14 PDU India Power Cord JL671A
- C13 India PDU Cable for Factory Racked Systems Only

1 HPE 2.5m C15 to C14 PDU India Power Cord JL672A
- C15 India PDU Cable for Factory Racked Systems Only

Configuration Rules

Rule #	Description
1	This Power Cord is only valid when the #AC3 option is selected for the supported Switch Enclosure

Notes: This PDU cable is for Solutions shipping to India.

Power Supplies

Power Supply Units

R9F63A System (std 1 // max 2) User Selection (min 0 // max 1) per enclosure

1, 2 Aruba 6300M 12VDC 250W 100-240VAC Power to Port Airflow Power Supply Unit for HPE R9F61A
- Uses 1 x C13, 250w

Aruba 6300M 12VDC 250W 100-240VAC Power to Port Airflow Power Supply Unit for HPE PDU R9F61A#B2B
- C13 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A)

Aruba 6300M 12VDC 250W 100-240VAC Power to Port Airflow Power Supply Unit for HPE PDU R9F61A#B2C
- C13 PDU Jumper Cord (ROW) (J9944A)

Aruba 6300M 12VDC 250W 100-240VAC Power to Port Airflow Power Supply Unit for HPE 220v R9F61A#B2E
- HPE 2.5m C13 to NEMA 6-20P Pwr Cord (JL336A)

Aruba 6300M 12VDC 250W 100-240VAC Power to Port Airflow Power Supply Unit for HPE No Loc R9F61A#AC3
- No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)

Configuration Rules

Rule #	Description
1	Localization (Wall Power Cord) required on orders without B2B, B2C, (PDU Power Cord) or B2E. (See Localization Menu)
2	The Following Switch is only compatible with this Power to Port PSU: Aruba 6300M 48G Power to Port Airflow 2 Fans 1 Power Supply Unit Bundle for HPE R9F63A

Notes:
- Drop down under power supply should offer the following options and results:
  - Switch/Router to PDU Power Cord - B2B in NA, 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 Localized Power Cord Selected - AC3 Option
- If you want the Locking Power Cord (J9955A) L6-20P, then you must order this power cord through the Accessories tab

PSU Options

For R9F61A (std 0 // max 1) User Selection (min 0 // max 1) per PSU

HPE 2.0m C13 to C14 PDU India Power Cord JL671A
- C13 India PDU Cable for Factory Racked Systems Only

HPE 2.5m C15 to C14 PDU India Power Cord JL672A
- C15 India PDU Cable for Factory Racked Systems Only

Notes:
- This Power Cord is only valid when the #AC3 option is selected for the supported Power Supply
- This PDU cable is for Solutions shipping to India.

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Software

HPE Aruba Networking Net Edit

Single Node Subscription for Data Center Solutions

Aruba NetEdit Single Node 1 year Subscription E-STU for HPE	R9G36AAE
Aruba NetEdit Single Node 3 year Subscription E-STU for HPE	R9G37AAE

HPE Aruba Networking Fabric Composer

Single Node Subscription for Data Center Solutions

Aruba Fabric Composer Device Management Service Tier 3 Switch 1 year Subscription E-STU for HPE	R9G31AAE
Aruba Fabric Composer Device Management Service Tier 3 Switch 3 year Subscription E-STU for HPE	R9G32AAE
Aruba Fabric Composer Device Management Service Tier 3 Switch 5 year Subscription E-STU for HPE	R9G33AAE

Technical Specifications

HPE Aruba Networking 6300M 48-port 1GbE and 4-port SFP56 Power-to-Port 2 Fan Trays 1 PSU Bundle (R9F63A)		
Description	48x 10/100/1000 BASE-T PoE+ ports 1G/10G/25G[1] SFP ports **Notes:** [1]50G capability is for use with 50G DACs for both interconnect and VSF stacking.	
Additional ports and slots	1x USB-C console port 1x OOBM 1x USB Type A host portJL 1x Bluetooth dongle to be used with CX Mobile App	
Power supplies	2 field-replaceable, hot-swappable power supply slots Comes with 1 power-to-port power supply pre-installed Additional power-to-port power supply can be ordered separately Supports R9F61A HPE Aruba Networking X371 12VDC 250W 100-240VAC Power-to-Port Power Supply only	
Fan tray	Switch has two fan tray slots and comes with two fan trays installed Fan trays are field replaceable and hot-swappable. Minimum 2 fan trays required. Second fan tray ordered separately Each fan tray is comprised of two fans Supports R9F62A HPE Aruba Networking CX 6300M Power-to-Port Fan Tray only	
Physical characteristics	**Dimensions**	17.4 (w) x 15.2 (d) x 1.73 (h) in (44.2 x 38.5 x 4.4 cm)
	Weight	12.5 lbs (5.7 kg), with 1 PSU 13.8 lbs (6.27kg), with 2 PSUs
Mounting and enclosure	Mounts in an EIA- standard 19 in. telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz	
Memory and Flash	8 GBytes DDR4 32 GBytes eMMC	
Packet Buffer	8 MB shared packet buffer memory	
Performance	**System switching capacity**	880 Gbps
	System throughput capacity	660 Mpps
	Model switching capacity	496 Gbps
	Model throughput capacity	369 Mpps
	Average latency (LIFO, 64-byte packets)	1Gbps: 2.28µSec 10Gbps: 1.46µSec 25Gbps: 1.90µSec

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		50Gbps: 3.49µSec
	Stack size	10 members
	Max stacking distance	Up to 10 kms with long range transceivers
	Stacking bandwidth	200 Gbps (400 Gbps at full duplex)
	Switched virtual interfaces (dual stack)	1,024
	IPv4 host table (ARP)	49,152
	IPv6 host table (ND)	49,152
	IPv4 unicast routes	61,000
	IPv6 unicast routes	61,000
	IPv4 multicast routes	8,192
	IPv6 multicast routes	8,192
	MAC table capacity	32,768
	IGMP groups	8,192
	MLD groups	8,192
	IPv4/IPv6/MAC ACL entries (ingress)	20,480/5,120/20,480
	IPv4/IPv6/MAC ACL entries (engress)	8,192/2,048/8,192
	VRF	256
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C), up to 5,000 feet 32°F to 104°F (0°C to 40°C), 5,001 to 10,000 feet 1°C de-rating per 1,000 feet above 5,000 feet Can support excursion to 131°F (55°C) for short periods[1] of time.
	Operating humidity	15% to 95% relative humidity at 104°F (40°C), non-condensing
	Non-operating temperature	-40°F to 158°F ('-40°C to 70°C)
	Non-operating humidity	15% to 90% relative humidity at 149°F(65°C), non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	Up to 15,000ft (3.048 Km)
	Acoustic	Sound power, LWAd = 4.6 Bel Sound pressure, LpAm (bystander) = 28.7 dB
	Primary airflow	Back-to-front and side
Electrical Characteristics	**Frequency**	50-60 Hz
	AC voltage	R9F61A PSU: 100V-240V
	Current (for voltages listed above)	R9F61A PSU: 3A/1.2A
	Power Consumption (230VAC)	Hibernation (0 rpm fan): 9W Idle: 56W 100% traffic rate: 75W
Safety	**Europe:** EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013, EN 62368-1:2014 +A11:2017 **US:** UL 60950-1 2nd Ed.. **Canada:** CAN/CSA-C22.2 No. 60950-1-07 **Worldwide:** IEC 60950-1:2005 w/all known National Deviations **Taiwan:** CNS-14336-1	

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Emissions	**Europe:** EN 55032:2015 +AC:2016, Class A, EN 55035:2017, EN 61000-3-2:2014, EN 61000-3-3:2013 **US:** FCC 47 CFR part 15B, Class A **Canada:** ICES-003 Class A **Worldwide:** VCCI Class A, CISPR 32 Ed 2.0: 2015 + COR1:2016, Class A, CISPR 35:2016	
Lasers	EN 60825-1:2007 / IEC 60825-1:2007 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)	
Immunity	**Generic**	CISPR 35
	EN	EN 55035:2017
	ESD	IEC 61000-4-2
	Radiated	IEC 61000-4-3
	EFT/Burst	IEC 61000-4-4
	Surge	IEC 61000-4-5
	Conducted	IEC 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	IEC 61000-4-11
	Harmonics	IEC 61000-3-2, EN 61000-3-2
	Flicker	IEC 61000-3-3, EN 61000-3-3

Summary of Changes

Date	Version History	Action	Description of Change
04-Dec-2023	Version 30	Changed	Obsolete SKU was removed. Configuration Information section was updated. Series name was updated.
06-Nov-2023	Version 29	Changed	Overview, Standard Features, Configuration Information, Technical Specifications sections were updated
07-Aug-2023	Version 28	Changed	Configuration Information section was updated.
10-Jul-2023	Version 27	Changed	Configuration Information section was updated.
15-May-2023	Version 26	Changed	Configuration Information section was updated.
13-Mar-2023	Version 25	Changed	Configuration Information section was updated.
06-Feb-2023	Version 24	Changed	Standard Features, Configuration Information and Technical Specifications sections were updated.
05-Dec-2022	Version 23	Changed	Configuration Information section was updated, and new SKUs were added.
07-Nov-2022	Version 22	Changed	Standard Features, Configuration Information, Technical Specifications sections were updated.
10-Oct-2022	Version 21	Changed	Configuration Information section was updated.
03-Oct-2022	Version 20	Changed	Configuration Information and Aruba Data Center Networking Solution for HPE sections were updated.
15-Aug-2022	Version 19	Changed	Overview, Standard Features, Configuration Information, and Technical Specifications sections were updated.
06-Jun-2022	Version 18	Changed	Standard Features, Configuration Information, Technical Specifications sections were updated.
02-May-2022	Version 17	Changed	Overview, Standard Features, Configuration Information, Technical Specifications and Aruba Data Center Networking Solution for HPE sections were updated.
04-Apr-2022	Version 16	Changed	Configuration Information section was updated.
07-Feb-2022	Version 15	Changed	Configuration Information section was updated.
06-Dec-2021	Version 14	Changed	New Aruba Data Center Networking Solution for HPE section was added to QuickSpecs
02-Aug-2021	Version 13	Changed	Standard Features, Configuration Information, and Technical Specifications section were updated. SKUs added as well.
07-Jun-2021	Version 12	Changed	Overview, Standard Features, and Configuration Information sections were updated.
04-May-2021	Version 11	Changed	Standard Features, Configuration Information, and Technical Specifications sections were updated.
08-Mar-2021	Version 10	Changed	SKUs were added in Configuration Information section.
14-Dec-2020	Version 9	Changed	Overview Standard Features, Configuration information and Technical Specifications sections were updated.
07-Dec-2020	Version 8	Changed	Standard Features, Configuration information and Technical Specifications sections were updated.
08-Sep-2020	Version 7	Changed	Configuration Information section was updated.
10-Aug-2020	Version 6	Changed	Standard Features and Configuration information sections were updated.
06-Jul-2020	Version 5	Changed	Overview Standard Features, Configuration information and Technical Specifications sections were updated.
03-Feb-2020	Version 4	Changed	Configuration information section was updated.
20-Jan-2020	Version 3	Changed	Configuration information and Technical Specifications sections were updated.
06-Jan-2020	Version 2	Changed	Standard Features, Configuration information and Technical Specifications sections were updated.
01-Nov-2019	Version 1	New	New QuickSpecs

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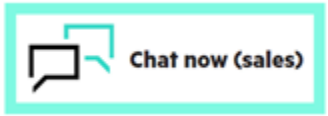

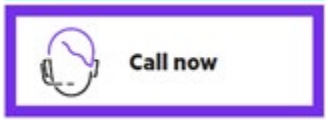

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To learn more, visit: **http://www.hpe.com/networking**

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