

Overview

Aruba CX 6200 Switch Series

The Aruba CX 6200 Switch Series is a next-generation family of stackable access switches ideal for enterprise branch offices, campuses, and SMB networks. Created for game-changing operational efficiency with built-in analytics and automation, the Aruba CX 6200 switches provide an enterprise-class access layer solution that's simple and secure.

Built from the ground up with a combination of cutting-edge hardware, software and analytics and automation tools, the stackable Aruba CX 6200 switches are part of the Aruba CX switching portfolio. By combining a modern, fully programmable OS with the Aruba Network Analytics Engine, the Aruba CX 6200 brings industry leading monitoring and troubleshooting capabilities to the access layer.

A powerful Aruba Gen7 ASIC architecture delivers reliable performance and enterprise-class feature support with flexible programmability for tomorrow's applications. The Aruba CX 6200 is designed for simple deployment using the intuitive Aruba CX Mobile App that speeds install, configuration and stacking of up to 8 switches. The CX 6200 includes fixed (CX 6200F) and modular (CX 6200M) switches with built-in high speed uplinks and 740W to 1440W of PoE to power IoT devices such as security cameras and the latest wireless APs. Flexible, modular switches offer enhanced resiliency and redundancy with hot-swappable power supplies and fans.

Aruba Dynamic Segmentation extends Aruba's foundational wireless role-based policy capability to Aruba 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.



Aruba CX 6200 Switch Series

Overview

Key Features

- Enterprise-class connectivity with support for ACLs, robust QoS and common protocols such as static and Access OSPF routing
 - Scalability with 8 member switch VSF stacking
 - Convenient built-in 1/10GbE uplinks with LRM and MACSec 256 on modular switches and 740W (Class 4) to 1440W (Class 6) of PoE
 - Intelligent monitoring, visibility, and troubleshooting with Aruba Network Analytics Engine
 - Manage via single pane of glass with Aruba Central across wired, wireless, and WAN
 - Simple, one touch deployment with the Aruba CX Mobile App
 - Automated configuration and verification with Aruba NetEdit
 - Secure and simple access for users and IoT with Aruba Dynamic Segmentation
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Standard Features

AOS-CX - A Modern Software System

The Aruba CX 6200 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. Easy access to all network state information allows unique visibility and analytics.

Our AOS-CX software also includes Aruba Network Analytics Engine (NAE) and support for Aruba NetEdit. 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.
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Aruba Central - Unified Single Pane of Glass Management

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

Aruba Network Analytics Engine - Advanced Monitoring and Diagnostics

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

Aruba NetEdit – Automated Switch Configuration and Management

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

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

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

Aruba CX Mobile App – Unparalleled Deployment Convenience

An easy to use mobile app simplifies connecting and managing Aruba CX 6200 switches for any size project. Switch information can also be imported into Aruba NetEdit for simplified configuration management and to continuously validate the conformance of configurations anywhere in the network. The Aruba CX Mobile App is available for [download](#).

Aruba ASICs - Programmable Innovation

Based on over 30 years of continuous investment, Aruba'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 Aruba's NAE solution to inspect all data, which allows for rapid feature development and delivery. The Aruba CX 6200 is based on the Aruba Gen7 ASIC architecture.



Standard Features

Aruba Dynamic Segmentation – Simple, Secure, and Scalable Segmentation

The Aruba Dynamic Segmentation solution enables seamless mobility, consistent policy enforcement, and automated configurations for wired and wireless clients across networks.

This innovation begins with colorless ports and role-based micro-segmentation technologies. Colorless ports allows 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 allows clients to be grouped into a User Role based on their identity. This allows the colorless ports technology to automatically on-board clients onto User Based Tunnels or onto static VXLAN tunnels based on the associated User Role policy. By steering traffic to Aruba's application aware Policy Enforcement Firewall, User Based Tunneling provides the ability to micro segment and perform deep packet inspections for enhanced security.

Mobility and IoT Performance

The Aruba CX 6200 Switch Series uses a fully distributed architecture that utilizes the Gen7 Aruba 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 176 Gbps in non-blocking bandwidth and up to 130.9 Mpps for forwarding
- 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

VSF Stacking - Scale and Simplicity

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

- Support for up to 8 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 kilometres between sites using long-range 10GbE transceivers
- Flexibility to mix 24 and 48-port modular and fixed Aruba 6200 models within a single stack to meet your deployment requirements
- Simplified configuration and management as the switches act as a single chassis when stacked
- The Aruba CX Mobile app provides support for a validated stack deployment that ensure that all stack links and uplinks are connected properly

Aruba CX 6200 - Enterprise-Class Connectivity for all Environments

Whether in the branch office or a small to large enterprise environment, you can choose from five fixed 1U models. Each switch includes four high-speed built-in uplinks that auto-negotiate from 1GbE to 10GbE 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 include:

- 1U models support 12, 24, and 48 access ports of IEEE 802.3 (100M/1GbE) with four built-in 1GbE/10GbE uplink SFP+ ports
- R8Q71A and R8V12A support 36 100M/1GbE access ports and 12 ports of SmartRate 1G/2.5G/5G BaseT with four built-in 1GbE/10GbE uplink SFP+ports
- Industry standard IEEE 802.3bt High Power PoE support (Class 6) provides up to 60W to 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 detects and provides power to pre-standard 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 same time as switch OS boots up
- Support for Energy Efficient Ethernet IEEE 802.3az reduces power consumption during periods of low traffic
- Auto-MDIX provides automatic adjustments for straightthrough or crossover cables on all 10/100/1000 ports



Standard Features

- Unsupported Transceiver Mode (UTM) allows to insert and enable all unsupported 1G and 10G transceivers and cables.
Notes: 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, dynamic IPv6 lockdown, and ND snooping
- Jumbo frames allow for high-performance backups and disaster-recovery systems; provides a maximum frame size of 9220 bytes
- Packet storm protection against broadcast, multicast and unknown unicast storms with user-defined thresholds
- Smart link enables simple, fast converging link redundancy and load balancing with dual uplinks avoiding Spanning Tree complexities

High Availability and Resiliency

To ensure a high degree of up-time we offer high availability and multicast features needed for a highly-available Layer 2 access deployment including:

- Hot Swappable Power Supplies available in the CX 6200M 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 are included in the CX 6200F switch models
- 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
- IEEE 802.3ad LACP supports up to 32 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
- Virtual Router Redundancy Protocol (VRRP) allows groups of two routers to dynamically create highly available routed environments in IPV4 and IPV6 networks

Quality of Service (QoS) Features

To support congestion actions and traffic prioritization, the Aruba CX 6200 Series includes the following:

- Strict priority (SP) queuing and Deficit Weighted Round Robin (DWRR)
- Traffic prioritization (IEEE 802.1p) for real-time classification
- 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

Layer 2 Switching

The following layer 2 services are supported:

- VLAN support and tagging support IEEE 802.1Q (4094 VLAN IDs) and 2K VLANS simultaneously
- 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



Standard Features

- 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
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Standard Features

Layer 3 Services

The following layer 3 services are supported:

- Loopback interface address defines an address in Open Shortest Path First (OSPF), improving diagnostic capability
- 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
- Domain Name System (DNS) provides a distributed database that translates domain names and IP addresses, which simplifies network design; supports client and server
- 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
- Route maps provide more control during route redistribution; allow filtering and altering of route metrics
- 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

Simplified Configuration and Management

In addition to Aruba Central, the Aruba CX Mobile App, Aruba NetEdit and Aruba Network Analytics Engine, the Aruba CX 6200 series offers the following:

- Built-in programmable and easy-to-use REST API interface
- Simple day zero provisioning
- sFlow (RFC 3176) is 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
- 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
- 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
- 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



Standard Features

- IP SLA for Voice monitors quality of voice traffic using the UDP Jitter for VoIP tests

Layer 3 Routing

The following layer 3 routing services are supported:

- Routing Information Protocol version 2 (RIPv2) provides an easy to configure routing protocol for small networks as while RIPv6 provides support for small IPv6 networks
- Single-area Open shortest path first (OSPF) delivers faster convergence; uses link-state routing Interior Gateway Protocol (IGP), which supports 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
- Static IPv4 routing provides simple manually configured IPv4 routing
- 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
- Static IPv6 routing provides simple manually configured IPv6 routing
- Dual IP stack maintains separate stacks for IPv4 and IPv6 to ease the transition from an IPv4-only network to an IPv6-only network design.
- mDNS (Multicast Domain Name System) Gateway enables discovery of mDNS groups across L3 boundaries
- Equal-Cost Multipath (ECMP) enables multiple equal-cost links in a routing environment to increase link redundancy and scale bandwidth
- 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
- Static IP routing provides manually configured routing; includes ECMP capability

Security

Each Aruba CX 6200 Switch comes with an integrated trusted platform module (TPM) for platform integrity. This ensures the boot process started from a trusted combination of 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
- 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
- Web based authentication using Captive Portal on ClearPass is supported for use cases such as Guest Access and for devices that don't support 802.1x or MAC Auth.
- 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
- 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

Standard Features

- 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 to block traffic from unauthorized hosts, preventing IP source address spoofing
- 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 security on a link between two switch ports using standard encryption and authentication. Available on CX 6200M across all downlink and 2x uplink ports.

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 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
- QinQ support to improve the VLAN utilization by adding another 802.1Q tag to tagged packets

Convergence

- IP multicast snooping (data-driven IGMP) prevents flooding of IP multicast traffic
- IP multicast routing includes PIM Sparse, Source-Specific Multicast, and Dense modes to route IP multicast traffic
- 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



Standard Features

- TAA compliant models available
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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.
 - **Software Releases and Documentation** Refer to <https://asp.arubanetworks.com/downloads>.
 - For more detailed information on Aruba 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 **[Aruba Switch Feature Navigator](#)**
 - **Support and services information**
Visit <https://www.arubanetworks.com/support-services/arubacare/>.
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Configuration Information

BTO Models

Rule #	Description	SKU
	6200M	
1, 2, 4, 5, 6	Aruba 6200M 24G 4SFP+ Switch <ul style="list-style-type: none"> Aruba 6200M 24G 4SFP+ Switch Must Select PSU Min1 / Max2 (250W JL085A) Includes 1 Fan tray (JL669B), with 1 open slot with blank cover Min=0 \ Max = 4 SFP/SFP+ 1/10G Transceiver 1U - Height 	R8Q67A
1, 2, 4, 5, 6	Aruba 6200M 24G Class4 PoE 4SFP+ Switch <ul style="list-style-type: none"> Aruba 6200M 24G Class4 PoE 4SFP+ Switch Must Select PSU Min1 / Max2 (680W JL086A, 1050W JL087A) Includes 1 Fan tray (JL669B), with 1 open slot with blank cover Min=0 \ Max = 4 SFP/SFP+ 1/10G Transceiver 1U - Height 	R8Q68A
1, 2, 4, 5, 6	Aruba 6200M 48G 4SFP+ Switch <ul style="list-style-type: none"> Aruba 6200M 48G 4SFP+ Switch Must Select PSU Min1 / Max2 (250W JL085A) Includes 1 Fan tray (JL669B), with 1 open slot with blank cover Min=0 \ Max = 4 SFP/SFP+ 1/10G Transceiver 1U - Height 	R8Q69A
1, 2, 4, 5, 6	Aruba 6200M 48G Class4 PoE 4SFP+ Switch <ul style="list-style-type: none"> Aruba 6200M 48G Class4 PoE 4SFP+ Switch Must Select PSU Min1 / Max2 (680W JL086A, 1050W JL087A) Includes 1 Fan tray (JL669B), with 1 open slot with blank cover Min=0 \ Max = 4 SFP/SFP+ 1/10G Transceiver 1U - Height 	R8Q70A
1, 2, 4, 5, 6	Aruba 6200M 36G 12SR5 Class6 PoE 4SFP+ Switch <ul style="list-style-type: none"> Aruba 6200M 36G 12SR5 Class6 PoE 4SFP+ Switch Must Select PSU Min1 / Max2 (680W JL086A, 1050W JL087A) Includes 1 Fan tray (JL669B), with 1 open slot with blank cover Min=0 \ Max = 4 SFP/SFP+ 1/10G Transceiver 1U - Height 	R8Q71A
	6200M TAA	
1, 2, 4, 5, 6	Aruba 6200M 24G 4SFP+ TAA Switch <ul style="list-style-type: none"> Aruba 6200M 24G 4SFP+ TAA Switch Must Select PSU Min1 / Max2 (250W JL085A) Includes 1 Fan tray (JL669B), with 1 open slot with blank cover Min=0 \ Max = 4 SFP/SFP+ 1/10G Transceiver 1U - Height 	R8V08A
1, 2, 4, 5, 6	Aruba 6200M 24G Class4 PoE 4SFP+ TAA Switch <ul style="list-style-type: none"> Aruba 6200M 24G Class4 PoE 4SFP+ TAA Switch Must Select PSU Min1 / Max2 (680W JL086A, 1050W JL087A) Includes 1 Fan tray (JL669B), with 1 open slot with blank cover Min=0 \ Max = 4 SFP/SFP+ 1/10G Transceiver 1U - Height 	R8V09A
1, 2, 4, 5, 6	Aruba 6200M 48G 4SFP+ TAA Switch <ul style="list-style-type: none"> Aruba 6200M 48G 4SFP+ TAA Switch Must Select PSU Min1 / Max2 (250W JL085A) Includes 1 Fan tray (JL669B), with 1 open slot with blank cover 	R8V10A



Configuration Information

	<ul style="list-style-type: none"> Min=0 \ Max = 4 SFP/SFP+ 1/10G Transceiver 1U - Height 	
1, 2, 4, 5, 6	Aruba 6200M 48G Class4 PoE 4SFP+ TAA Switch	R8V11A
	<ul style="list-style-type: none"> Aruba 6200M 48G Class4 PoE 4SFP+ TAA Switch Must Select PSU Min1 / Max2 (680W JL086A, 1050W JL087A) Includes 1 Fan tray (JL669B), with 1 open slot with blank cover Min=0 \ Max = 4 SFP/SFP+ 1/10G Transceiver 1U - Height 	
1, 2, 4, 5, 6	Aruba 6200M 36G 12SR5 Class6 PoE 4SFP+ TAA Switch	R8V12A
	<ul style="list-style-type: none"> Aruba 6200M 36G 12SR5 Class6 PoE 4SFP+ TAA Switch Must Select PSU Min1 / Max2 (680W JL086A, 1050W JL087A) Includes 1 Fan tray (JL669B), with 1 open slot with blank cover Min=0 \ Max = 4 SFP/SFP+ 1/10G Transceiver 1U - Height 	
	6200F	
1, 2, 3, 4, 5	Aruba 6200F 24G 4SFP+ Switch	JL724A
	<ul style="list-style-type: none"> Aruba 6200F 24G 4SFP+ 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+ 1/10G Transceiver 1U - Height 	
	Aruba 6200F 24G 4SFP+ Switch PDU	JL724A#B2B
	<ul style="list-style-type: none"> C13 PDU Jumper Cord (NA/MEX/TW/JP) (JL697A) 	
	Aruba 6200F 24G 4SFP+ Switch PDU	JL724A#B2C
	<ul style="list-style-type: none"> C13 PDU Jumper Cord (ROW) (JL697A) 	
	Aruba 6200F 24G 4SFP+ Switch 220v	JL724A#B2E
	<ul style="list-style-type: none"> HPE 2.3m C13 to NEMA 6-15P Pwr Cord (J9936A) 	
	Aruba 6200F 24G 4SFP+ Switch No Loc	JL724A#AC3
	<ul style="list-style-type: none"> No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P) 	
1, 2, 3, 4, 5	Aruba 6200F 24G Class4 PoE 4SFP+ 370W Switch	JL725A
	<ul style="list-style-type: none"> Aruba 6200F 24G Class4 PoE 4SFP+ 370W 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+ 1/10G Transceiver 1U - Height 	
	Aruba 6200F 24G Class4 PoE 4SFP+ 370W Switch	JL725A #B2B
	<ul style="list-style-type: none"> C13 PDU Jumper Cord (NA/MEX/TW/JP) (JL697A) 	
	Aruba 6200F 24G Class4 PoE 4SFP+ 370W Switch	JL725A #B2C
	<ul style="list-style-type: none"> C13 PDU Jumper Cord (ROW) (JL697A) 	
	Aruba 6200F 24G Class4 PoE 4SFP+ 370W Switch	JL725A #B2E
	<ul style="list-style-type: none"> HPE 2.3m C13 to NEMA 6-15P Pwr Cord (J9936A) 	
	Aruba 6200F 24G Class4 PoE 4SFP+ 370W Switch	JL725A #AC3
	<ul style="list-style-type: none"> No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P) 	
1, 2, 3, 4, 5	Aruba 6200F 48G 4SFP+ Switch	JL726A
	<ul style="list-style-type: none"> Aruba 6200F 48G 4SFP+ 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+ 1/10G Transceiver 1U - Height 	

Configuration Information

Aruba 6200F 48G 4SFP+ Switch	JL726A #B2B
<ul style="list-style-type: none"> • C13 PDU Jumper Cord (NA/MEX/TW/JP) (JL697A) 	
Aruba 6200F 48G 4SFP+ Switch	JL726A #B2C
<ul style="list-style-type: none"> • C13 PDU Jumper Cord (ROW) (JL697A) 	
Aruba 6200F 48G 4SFP+ Switch 220v	JL726A#B2E
<ul style="list-style-type: none"> • HPE 2.3m C13 to NEMA 6-15P Pwr Cord (J9936A) 	
Aruba 6200F 48G 4SFP+ Switch	JL726A #AC3
<ul style="list-style-type: none"> • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P) 	
1, 2, 3, 4, 5 Aruba 6200F 48G Class4 PoE 4SFP+ 370W Switch	JL727A
<ul style="list-style-type: none"> • Aruba 6200F 48G Class4 PoE 4SFP+ 370W 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+ 1/10G Transceiver • 1U - Height 	
Aruba 6200F 48G Class4 PoE 4SFP+ 370W Switch PDU	JL727A#B2B
<ul style="list-style-type: none"> • C13 PDU Jumper Cord (NA/MEX/TW/JP) (JL697A) 	
Aruba 6200F 48G Class4 PoE 4SFP+ 370W Switch PDU	JL727A#B2C
<ul style="list-style-type: none"> • C13 PDU Jumper Cord (ROW) (JL697A) 	
Aruba 6200F 48G Class4 PoE 4SFP+ 370W Switch 220v	JL727A#B2E
<ul style="list-style-type: none"> • HPE 2.3m C13 to NEMA 6-15P Pwr Cord (J9936A) 	
Aruba 6200F 48G Class4 PoE 4SFP+ 370W Switch No Loc	JL727A#AC3
<ul style="list-style-type: none"> • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P) 	
1, 2, 3, 4, 5 Aruba 6200F 48G Class4 PoE 4SFP+ 740W Switch	JL728A
<ul style="list-style-type: none"> • Aruba 6200F 48G Class4 PoE 4SFP+ 740W 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+ 1/10G Transceiver • 1U - Height 	
Aruba 6200F 48G Class4 PoE 4SFP+ 740W Switch PDU	JL728A#B2B
<ul style="list-style-type: none"> • C15 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A) 	
Aruba 6200F 48G Class4 PoE 4SFP+ 740W Switch PDU	JL728A#B2C
<ul style="list-style-type: none"> • C15 PDU Jumper Cord (ROW) (J9944A) 	
Aruba 6200F 48G Class4 PoE 4SFP+ 740W Switch 220v	JL728A#B2E
<ul style="list-style-type: none"> • HPE 2.5m C15 to NEMA 6-20P Pwr Cord (JL336A) 	
Aruba 6200F 48G Class4 PoE 4SFP+ 740W Switch No Loc	JL728A#AC3
<ul style="list-style-type: none"> • 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 Module: (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 Module: (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



Configuration Information

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 SFP+ to SFP+ 1m Direct Attach Copper Cable	J9281D
Aruba 10G SFP+ to SFP+ 3m Direct Attach Copper Cable	J9283D
Aruba 10G SMF Simplex LC BiDi 40km-Downstream 1330/1270 Transceiver	R9X54A
Aruba 10G SMF Simplex LC BiDi 40km-Upstream 1270/1330 Transceiver	R9X55A

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

4 If ANY Option is integrated OD1 to this Switch, then the Switch requires OD1. (Box level integration is not allowed)

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

For BTO shipments to India:

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

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

For Factory Integration of Power Cord, please add ""#OD1"" to the Power Cord Sku suffix. (Ex. JL671A#OD1)

6 The following Transceivers install into this Switch and is only available on LRM Supported ports. See AOS-Switch and AOS-CX Transceiver Guide for port compatibility: (Use BTO only when adding to switch)

J9152D - Aruba 10G SFP+ LC LRM 220m MMF XCVR

Aruba 10G SFP+ LC LRM 220m OM2 MMF Transceiver J9152D

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
 - OCA Only Model Selection Form -
- HPE Offering > Aruba > Switches > ArubaOS > AOS-CX:
 - Aruba CX 6200 Switch Series



Configuration Information

Rack Level Integration CTO Models

Rule #	Description	SKU
	6200M	
1, 2, 4, 5, 6	Aruba 6200M 24G 4SFP+ Switch <ul style="list-style-type: none"> Aruba 6200M 24G 4SFP+ Switch Must Select PSU Min1 / Max2 (250W JL085A) Includes 1 Fan tray (JL669B), with 1 open slot with blank cover Min=0 \ Max = 4 SFP/SFP+ 1/10G Transceiver 1U - Height 	R8Q67A
1, 2, 4, 5, 6	Aruba 6200M 24G Class4 PoE 4SFP+ Switch <ul style="list-style-type: none"> Aruba 6200M 24G Class4 PoE 4SFP+ Switch Must Select PSU Min1 / Max2 (680W JL086A, 1050W JL087A) Includes 1 Fan tray (JL669B), with 1 open slot with blank cover Min=0 \ Max = 4 SFP/SFP+ 1/10G Transceiver 1U - Height 	R8Q68A
1, 2, 4, 5, 6	Aruba 6200M 48G 4SFP+ Switch <ul style="list-style-type: none"> Aruba 6200M 48G 4SFP+ Switch Must Select PSU Min1 / Max2 (250W JL085A) Includes 1 Fan tray (JL669B), with 1 open slot with blank cover Min=0 \ Max = 4 SFP/SFP+ 1/10G Transceiver 1U - Height 	R8Q69A
1, 2, 4, 5, 6	Aruba 6200M 48G Class4 PoE 4SFP+ Switch <ul style="list-style-type: none"> Aruba 6200M 48G Class4 PoE 4SFP+ Switch Must Select PSU Min1 / Max2 (680W JL086A, 1050W JL087A) Includes 1 Fan tray (JL669B), with 1 open slot with blank cover Min=0 \ Max = 4 SFP/SFP+ 1/10G Transceiver 1U - Height 	R8Q70A
1, 2, 4, 5, 6	Aruba 6200M 36G 12SR5 Class6 PoE 4SFP+ Switch <ul style="list-style-type: none"> Aruba 6200M 36G 12SR5 Class6 PoE 4SFP+ Switch Must Select PSU Min1 / Max2 (680W JL086A, 1050W JL087A) Includes 1 Fan tray (JL669B), with 1 open slot with blank cover Min=0 \ Max = 4 SFP/SFP+ 1/10G Transceiver 1U - Height 	R8Q71A
	6200M TAA	
1, 2, 4, 5, 6	Aruba 6200M 24G 4SFP+ TAA Switch <ul style="list-style-type: none"> Aruba 6200M 24G 4SFP+ TAA Switch Must Select PSU Min1 / Max2 (250W JL085A) Includes 1 Fan tray (JL669B), with 1 open slot with blank cover Min=0 \ Max = 4 SFP/SFP+ 1/10G Transceiver 1U - Height 	R8V08A
1, 2, 4, 5, 6	Aruba 6200M 24G Class4 PoE 4SFP+ TAA Switch <ul style="list-style-type: none"> Aruba 6200M 24G Class4 PoE 4SFP+ TAA Switch Must Select PSU Min1 / Max2 (680W JL086A, 1050W JL087A) Includes 1 Fan tray (JL669B), with 1 open slot with blank cover Min=0 \ Max = 4 SFP/SFP+ 1/10G Transceiver 1U - Height 	R8V09A
1, 2, 4, 5, 6	Aruba 6200M 48G 4SFP+ TAA Switch <ul style="list-style-type: none"> Aruba 6200M 48G 4SFP+ TAA Switch Must Select PSU Min1 / Max2 (250W JL085A) Includes 1 Fan tray (JL669B), with 1 open slot with blank cover Min=0 \ Max = 4 SFP/SFP+ 1/10G Transceiver 	R8V10A

Configuration Information

1U - Height		
1, 2, 4, 5, 6	Aruba 6200M 48G Class4 PoE 4SFP+ TAA Switch	R8V11A
	<ul style="list-style-type: none"> • Aruba 6200M 48G Class4 PoE 4SFP+ TAA Switch • Must Select PSU Min1 / Max2 (680W JL086A, 1050W JL087A) • Includes 1 Fan tray (JL669B), with 1 open slot with blank cover • Min=0 \ Max = 4 SFP/SFP+ 1/10G Transceiver 	
1U - Height		
1, 2, 4, 5, 6	Aruba 6200M 36G 12SR5 Class6 PoE 4SFP+ TAA Switch	R8V12A
	<ul style="list-style-type: none"> • Aruba 6200M 36G 12SR5 Class6 PoE 4SFP+ TAA Switch • Must Select PSU Min1 / Max2 (680W JL086A, 1050W JL087A) • Includes 1 Fan tray (JL669B), with 1 open slot with blank cover • Min=0 \ Max = 4 SFP/SFP+ 1/10G Transceiver 	
1U - Height		
	6200F	
1, 2, 3, 4, 5	Aruba 6200F 24G 4SFP+ Switch	JL724A
	<ul style="list-style-type: none"> • Aruba 6200F 24G 4SFP+ 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+ 1/10G Transceiver • 1U - Height 	
	Aruba 6200F 24G 4SFP+ Switch PDU	JL724A#B2B
	<ul style="list-style-type: none"> • C13 PDU Jumper Cord (NA/MEX/TW/JP) (JL697A) 	
	Aruba 6200F 24G 4SFP+ Switch PDU	JL724A#B2C
	<ul style="list-style-type: none"> • C13 PDU Jumper Cord (ROW) (JL697A) 	
	Aruba 6200F 24G 4SFP+ Switch 220v	JL724A#B2E
	<ul style="list-style-type: none"> • HPE 2.3m C13 to NEMA 6-15P Pwr Cord (J9936A) 	
	Aruba 6200F 24G 4SFP+ Switch No Loc	JL724A#AC3
	<ul style="list-style-type: none"> • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P) 	
1, 2, 3, 4, 5	Aruba 6200F 24G Class4 PoE 4SFP+ 370W Switch	JL725A
	<ul style="list-style-type: none"> • Aruba 6200F 24G Class4 PoE 4SFP+ 370W 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+ 1/10G Transceiver • 1U - Height 	
	Aruba 6200F 24G Class4 PoE 4SFP+ 370W Switch	JL725A #B2B
	<ul style="list-style-type: none"> • C13 PDU Jumper Cord (NA/MEX/TW/JP) (JL697A) 	
	Aruba 6200F 24G Class4 PoE 4SFP+ 370W Switch	JL725A #B2C
	<ul style="list-style-type: none"> • C13 PDU Jumper Cord (ROW) (JL697A) 	
	Aruba 6200F 24G Class4 PoE 4SFP+ 370W Switch	JL725A #B2E
	<ul style="list-style-type: none"> • HPE 2.3m C13 to NEMA 6-15P Pwr Cord (J9936A) 	
	Aruba 6200F 24G Class4 PoE 4SFP+ 370W Switch	JL725A #AC3
	<ul style="list-style-type: none"> • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P) 	
1, 2, 3, 4, 5	Aruba 6200F 48G 4SFP+ Switch	JL726A
	<ul style="list-style-type: none"> • Aruba 6200F 48G 4SFP+ 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+ 1/10G Transceiver • 1U - Height 	
	Aruba 6200F 48G 4SFP+ Switch	JL726A #B2B
	<ul style="list-style-type: none"> • C13 PDU Jumper Cord (NA/MEX/TW/JP) (JL697A) 	

Configuration Information

	Aruba 6200F 48G 4SFP+ Switch	JL726A #B2C
	<ul style="list-style-type: none"> • C13 PDU Jumper Cord (ROW) (JL697A) 	
	Aruba 6200F 48G 4SFP+ Switch 220v	JL726A#B2E
	<ul style="list-style-type: none"> • HPE 2.3m C13 to NEMA 6-15P Pwr Cord (J9936A) 	
	Aruba 6200F 48G 4SFP+ Switch	JL726A #AC3
	<ul style="list-style-type: none"> • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P) 	
1, 2, 3, 4, 5	Aruba 6200F 48G Class4 PoE 4SFP+ 370W Switch	JL727A
	<ul style="list-style-type: none"> • Aruba 6200F 48G Class4 PoE 4SFP+ 370W 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+ 1/10G Transceiver • 1U - Height 	
	Aruba 6200F 48G Class4 PoE 4SFP+ 370W Switch PDU	JL727A#B2B
	<ul style="list-style-type: none"> • C13 PDU Jumper Cord (NA/MEX/TW/JP) (JL697A) 	
	Aruba 6200F 48G Class4 PoE 4SFP+ 370W Switch PDU	JL727A#B2C
	<ul style="list-style-type: none"> • C13 PDU Jumper Cord (ROW) (JL697A) 	
	Aruba 6200F 48G Class4 PoE 4SFP+ 370W Switch 220v	JL727A#B2E
	<ul style="list-style-type: none"> • HPE 2.3m C13 to NEMA 6-15P Pwr Cord (J9936A) 	
	Aruba 6200F 48G Class4 PoE 4SFP+ 370W Switch No Loc	JL727A#AC3
	<ul style="list-style-type: none"> • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P) 	
1, 2, 3, 4	Aruba 6200F 48G Class4 PoE 4SFP+ 740W Switch	JL728A
	<ul style="list-style-type: none"> • Aruba 6200F 48G Class4 PoE 4SFP+ 740W 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+ 1/10G Transceiver • 1U - Height 	
	Aruba 6200F 48G Class4 PoE 4SFP+ 740W Switch PDU	JL728A#B2B
	<ul style="list-style-type: none"> • C15 PDU Jumper Cord (NA/MEX/TW/JP) (J9943A) 	
	Aruba 6200F 48G Class4 PoE 4SFP+ 740W Switch PDU	JL728A#B2C
	<ul style="list-style-type: none"> • C15 PDU Jumper Cord (ROW) (J9944A) 	
	Aruba 6200F 48G Class4 PoE 4SFP+ 740W Switch 220v	JL728A#B2E
	<ul style="list-style-type: none"> • HPE 2.5m C15 to NEMA 6-20P Pwr Cord (JL336A) 	
	Aruba 6200F 48G Class4 PoE 4SFP+ 740W Switch No Loc	JL728A#AC3
	<ul style="list-style-type: none"> • No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P) 	

Configuration Rules

Rule #	Description	SKU
1	<p>The following Transceivers install into this Switch (Use #0D1 quoted to switch if switch is CTO) - if applicable:</p> <p>Aruba 1G SFP LC SX 500m OM2 MMF Transceiver</p> <p>Aruba 1G SFP LC LX 10km SMF Transceiver</p> <p>Aruba 1G SFP LC LH 70km SMF Transceiver</p> <p>Aruba 1G SFP RJ45 T 100m Cat5e Transceiver</p> <p>Aruba 1G SFP LC SX 500m MMF TAA Transceiver</p> <p>Aruba 1G SFP LC LX 10km SMF TAA Transceiver</p> <p>Aruba 1G SFP RJ45 T 100m Cat5e TAA Transceiver</p>	<p>J4858D</p> <p>J4859D</p> <p>J4860D</p> <p>J8177D</p> <p>JL745A</p> <p>JL746A</p> <p>JL747A</p>
2	<p>The following Transceivers install into this Switch (Use #0D1 quoted to switch if switch is CTO) - if applicable:</p> <p>Aruba 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver</p> <p>Aruba 10G SFP+ LC SR 300m OM3 MMF Transceiver</p> <p>Aruba 10G SFP+ LC LR 10km SMF Transceiver</p>	<p>JL563B</p> <p>J9150D</p> <p>J9151E</p>

Configuration Information

	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 SFP+ to SFP+ 1m Direct Attach Copper Cable	J9281D
	Aruba 10G SFP+ to SFP+ 3m Direct Attach Copper Cable	J9283D
	Aruba 10G SMF Simplex LC BiDi 40km-Downstream 1330/1270 Transceiver	R9X54A
	Aruba 10G SMF Simplex LC BiDi 40km-Upstream 1270/1330 Transceiver	R9X55A
3	OCA Only: Required Custom Choice (Min1/Max1) Switch/Router/Power Supply to PDU Power Cord - B2B in North America, Mexico, Taiwan, and Japan or B2C ROW. (OCA Default B2B or B2C for Rack Level CTO) Switch/Router/Power Supply to Wall Power Cord - Localized Option (OCA Default for BTO) High Volt Switch/Router/Power Supply to Wall Power Cord - B2E Option. (Offered only in North America, Mexico, Taiwan, and Japan) No Power Cord - AC3 Option	
4	If the CTO Switch Chassis needs to be racked, Then the CTO Base Model needs to integrate (with #0D1) to the HPE Network Rack.	
5	Unbuildable/FAN required, generates CFGU: If order is quoted for India and contains ""#B2C"" Option, then Display the following: For BTO shipments to India: Please replace <Base Model>#B2C option with <Base Model>#AC3 in the Bill of Materials and add the appropriate INDIA PDU Power Cord below via Ad-Hoc: HPE 2.0m C13 to C14 PDU India Power Cord HPE 2.5m C15 to C14 PDU India Power Cord HPE 2.5m C19 to C20 PDU India Power Cord For Factory Integration of Power Cord, please add ""#0D1"" to the Power Cord Sku suffix. (Ex. JL671A#0D1)	JL671A JL672A JL673A
6	Unbuildable/FAN required, generates CFGU: If order is quoted for India and contains ""#B2C"" Option, then Display the following: For BTO shipments to India: Please replace <Base Model>#B2C option with <Base Model>#AC3 in the Bill of Materials and add the appropriate INDIA PDU Power Cord below via Ad-Hoc: Aruba 10G SFP+ LC LRM 220m OM2 MMF Transceiver	J9152D
Notes:	Locking Power Cord (J9955A) L6-20P is available through the OCA Accessories tab	

Transceivers

Remarks	Description	SKU
	SFP Transceivers	
	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	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 SFP+ to SFP+ 1m Direct Attach Copper Cable	J9281D

Configuration Information

Aruba 10G SFP+ to SFP+ 3m Direct Attach Copper Cable	J9283D
Aruba 10G SFP+ LC LRM 220m OM2 MMF Transceiver	J9152D
Aruba 10G SMF Simplex LC BiDi 40km-Downstream 1330/1270 Transceiver	R9X54A
Aruba 10G SMF Simplex LC BiDi 40km-Upstream 1270/1330 Transceiver	R9X55A

Switch Options

Remarks	Description	SKU
	Fan Trays	
	System (std 1 // max 2) User Selection (min 0 // max 1) per enclosure	
	Aruba X751 Front to Back Fan Tray	JL669B
Notes:	The following Modular Switches are compatible with this Fan Tray; R8Q67A, R8Q68A, R8Q69A, R8Q70A, R8Q71A, R8V08A, R8V09A, R8V10A, R8V11A, R8V12A	
	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 and should nest to Rack.	
	India PDU Cable	
	For 6200M/F System (std 0 // max 1) User Selection (min 0 // max 1) per enclosure	
	HPE 2.0m C13 to C14 PDU India Power Cord	JL671A
	HPE 2.5m C15 to C14 PDU India Power Cord	JL672A
Notes:	<ul style="list-style-type: none"> This Power Cord is only available when the #AC3 option is selected for the supported power supply and intended for India This PDU cable is for Solutions shipping to India. 	
	USB Console Cables	
	System (std 0 // max 99) User Selection (min 0 // max 99) per switch	
	Aruba USB-A RJ45 PIN3TX-6RX 2.5m Cable	R8Z87A
	Aruba USB-A RJ45 PC-to-Switch PIN6TX-3RX 2.5m Cable	R9G48A
	Aruba USB-A reversible to USB-C PC-to-Switch 3m Cable	R9J32A
	Aruba USB-C to USB-C PC-to-Switch 3m Cable	R9J33A
1	Aruba X2C2 RJ45 to DB9 Console Cable	JL448A
	Configuration Rules	
Rule #	Description	SKU
1	This cable is only compatible with the following 6200M Switches; R8Q67A, R8Q68A, R8Q69A, R8Q70A, R8Q71A, R8V08A, R8V09A, R8V10A, R8V11A, R8V12A	

Power Supplies

	Power Supply Units	
	System (std 0 // max 2) User Selection (min 1 // max 2) per enclosure	
1, 2, 5	Aruba X371 12VDC 250W 100-240VAC Power Supply	JL085A
	Uses 1 x C13, 250w	
	Aruba X371 12VDC 250W 100-240VAC Power Supply PDU NA, JP or TW	JL085A#B2B
	C13 PDU Jumper Cord (NA/MEX/TW/JP) (JL697A)	
	Aruba X371 12VDC 250W 100-240VAC Power Supply PDU ROW	JL085A#B2C
	C13 PDU Jumper Cord (ROW) (JL697A)	
	Aruba X371 12VDC 250W 100-240VAC Power Supply United States 220 volt	JL085A#B2E
	HPE 2.5m C13 to NEMA 6-20P Pwr Cord(JL336A)	
	Aruba X371 12VDC 250W 100-240VAC Power Supply	JL085A#AC3
	No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	
1, 3, 5	Aruba X372 54VDC 680W 100-240VAC Power Supply	JL086A
	Uses 1 x C13, 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

Configuration Information

	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	JL086AAC3
	No Localized Power Cord Selected. Use J9955A to obtain a Locking Plug Power Cord (L6-20P)	
1, 3, 5	Aruba X372 54VDC 1050W 110-240VAC Power Supply	JL087A
	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 6200M 24G 4SFP+ Switch	R8Q67A
	Aruba 6200M 48G 4SFP+ Switch	R8Q69A
	Aruba 6200M 24G 4SFP+ TAA Switch	R8V08A
	Aruba 6200M 48G 4SFP+ TAA Switch	R8V10A
3	The Following Switches are compatible with this PSU;	
	Aruba 6200M 24G Class4 PoE 4SFP+ Switch	R8Q68A
	Aruba 6200M 48G Class4 PoE 4SFP+ Switch	R8Q70A
	Aruba 6200M 36G 12SR5 Class6 PoE 4SFP+ Switch	R8Q71A
	Aruba 6200M 24G Class4 PoE 4SFP+ TAA Switch	R8V09A
	Aruba 6200M 48G Class4 PoE 4SFP+ TAA Switch	R8V11A
	Aruba 6200M 36G 12SR5 Class6 PoE 4SFP+ TAA Switch	R8V12A
5	Unbuildable/FAN required, generates CFGU: If order is quoted for India and contains "#B2C" Option, then Display the following:	
	For BTO shipments to India:	
	Please replace <Base Model>#B2C option with <F191Base Model>#AC3 in the Bill of Materials and add the appropriate INDIA PDU Power Cord below via Ad-Hoc:	
	HPE 2.0m C13 to C14 PDU India Power Cord	JL671A
	HPE 2.5m C15 to C14 PDU India Power Cord	JL672A
	HPE 2.5m C19 to C20 PDU India Power Cord	JL673A
	For Factory Integration of Power Cord, please add "#0D1" to the Power Cord Sku suffix. (Ex. JL671A#0D1)	

- Notes:**
- Drop down under power supply should offer the following options and results:
 - Switch/Router 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)
 - 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

Configuration Information

PSU Options

For JL085A, 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

HPE 2.5m C15 to C14 PDU India Power Cord

JL672A

- 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.

Software

Remarks Description

SKU

NetEdit

NetEdit / Single Node Subscription

Aruba NetEdit Single Node 1yr Subscription E-STU

JL639AAE

Aruba NetEdit Single Node 3yr Subscription E-STU

JL640AAE

Central

- Notes:** For details and complete listing of Aruba Central licensing options, please see:
https://www.arubanetworks.com/assets/ds/DS_ArubaCentral.pdf and Aruba Central Data Sheet
https://www.arubanetworks.com/assets/ds/DS_ArubaCentral.pdf

Advanced Services / 62XX or 29XX Switch Advanced Subscriptions

Aruba Central 62xx or 29xx Switch Advanced 1 year Subscription E-STU

JZ530AAE

Aruba Central 62xx or 29xx Switch Advanced 3 year Subscription E-STU

JZ531AAE

Aruba Central 62xx or 29xx Switch Advanced 5 year Subscription E-STU

JZ532AAE

Aruba Central 62xx or 29xx Switch Advanced 7 year Subscription E-STU

JZ533AAE

Aruba Central 62xx or 29xx Switch Advanced 10 year Subscription E-STU

JZ534AAE

- Notes:** These Services are compatible with the platforms identified, except for the following Switches:

Aruba 2930F 12G PoE+ 2G/2SFP+ Switch

JL693A

Aruba 2930F 8G PoE+ 2SFP+ Switch

JL258A

- Add the Central Advanced Service Skus to the Aruba Catalog as Standalone:

[Aruba > Network Management > Central > Advanced](#)

Cloud Services / 62XX/29XX Switch Foundation Subscriptions

2 Aruba Central 62xx or 29xx Switch Foundation 1 year Subscription E-STU

Q9Y73AAE

2 Aruba Central 62xx or 29xx Switch Foundation 3 year Subscription E-STU

Q9Y74AAE

2 Aruba Central 62xx or 29xx Switch Foundation 5 year Subscription E-STU

Q9Y75AAE

2 Aruba Central 62xx or 29xx Switch Foundation 7 year Subscription E-STU

Q9Y76AAE

2 Aruba Central 62xx or 29xx Switch Foundation 10 year Subscription E-STU

Q9Y77AAE

On-Prem Services / 62XX/29XX Switch Foundation Subscriptions

3 Aruba Central On-Premises 62xx or 29xx Switch Foundation 1 year Subscription E-STU

R6U78AAE

3 Aruba Central On-Premises 62xx or 29xx Switch Foundation 3 year Subscription E-STU

R6U79AAE

3 Aruba Central On-Premises 62xx or 29xx Switch Foundation 5 year Subscription E-STU

R6U80AAE

3 Aruba Central On-Premises 62xx or 29xx Switch Foundation 7 year Subscription E-STU

R6U81AAE

3 Aruba Central On-Premises 62xx or 29xx Switch Foundation 10 year Subscription E-STU

R6U82AAE

On-Prem Services / 62XX/29XX Switch Advanced Subscriptions

3 Aruba Central On-Premises 62xx or 29xx Switch Advanced 1 year Subscription E-STU

R6U98AAE

3 Aruba Central On-Premises 62xx or 29xx Switch Advanced 3 year Subscription E-STU

R6U99AAE

3 Aruba Central On-Premises 62xx or 29xx Switch Advanced 5 year Subscription E-STU

R6V00AAE

3 Aruba Central On-Premises 62xx or 29xx Switch Advanced 7 year Subscription E-STU

R6V01AAE

3 Aruba Central On-Premises 62xx or 29xx Switch Advanced 10 year Subscription E-STU

R6V02AAE

FedRAMP Services / 62XX/29XX Switch Foundation Subscriptions

6 Aruba Central 62xx or 29xx Switch Foundation 1 year Subscription Government E-STU

R8K94AAE

6 Aruba Central 62xx or 29xx Switch Foundation 3yr Subscription Government E-STU

R8K95AAE

6 Aruba Central 62xx or 29xx Switch Foundation 5 year Subscription Government E-STU

R8K96AAE

6 Aruba Central 62xx or 29xx Switch Foundation 7yr Subscription Government E-STU

R8K97AAE

6 Aruba Central 62xx or 29xx Switch Foundation 10yr Subscription Government E-STU

R8K98AAE

Configuration Rules

Configuration Information

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

As-a-Service

Central

Cloud Services / 62XX/29XX Switch Foundation Subscriptions

2	Aruba Central 62xx/29xx Switch Foundation 1-year Subscription SaaS	Q9Y73AAS
2	Aruba Central 62xx/29xx Switch Foundation 3-year Subscription SaaS	Q9Y74AAS
2	Aruba Central 62xx/29xx Switch Foundation 5-year Subscription SaaS	Q9Y75AAS
2	Aruba Central 62xx/29xx Switch Foundation 7-year Subscription SaaS	Q9Y76AAS
2	Aruba Central 62xx/29xx Switch Foundation 10-year Subscription SaaS	Q9Y77AAS

Notes: Add the Central Cloud Skus to the Aruba Catalog as Standalone:
Aruba > Network Management > Central > Cloud Services



Technical Specifications

Aruba 6200M 24G 4SFP+ Switch (R8Q67A)	
Specifications	
Description	<p>24x ports 10/100/1000BASE-T Ports</p> <p>4x 1G/10G SFP ports (2x LRM; 2x LRM/MACSec 256)</p> <p>1x RJ-45 Console Port 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port</p>
Power supplies	<p>2 field-replaceable, hotswappable power supply slots</p> <p>1 minimum power supply required (ordered separately)</p> <p>Supports JL085A PSU</p>
Fans	<ul style="list-style-type: none"> Switch has two fan tray slots; Switch includes one fan tray. Min 1 fan tray required. Optional second fan tray ordered separately. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.
Physical characteristics	
Dimensions	<p>(H) 4.4 cm x (W) 44.2 cm x (D) 38.5 cm (1.73" x 17.4" x 15.2")</p>
Configuration Weight	5.59 kg (12.32 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	8 MB Packet Buffer Memory
Performance	
Model Switching Capacity	128 Gbps
Model Throughput Capacity	Up to 95.2 Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 2.28µSec 10Gbps: 1.46µSec
Stack Size	8 members (with other 24/48p 6200F and 6200M switches only; No stacking support with 12p 6200F switches)
Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	128
IPv4 Host Table (ARP)	8,000
IPv6 Host Table (ND)	8,000
IPv4 Unicast Routes	2,000
IPv6 Unicast Routes	2,000
MAC Table Capacity	16,000
IGMP Groups	1,000
MLD Groups	1,000
IPv4/IPv6/MAC ACL Entries (ingress)	1,000/1,000/1,000
IPv4/IPv6/MAC ACL Entries (egress)	512/256/512
Environment	



Technical Specifications

Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Operating Relative Humidity	15% to 95% @ 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 4.9 Bel Sound Pressure, LpAm (Bystander) = 32.5 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	JL085A PSU: 100V-240V
Current	JL085A PSU: 3A/1.2A
80plus.org Certification	JL085A PSU: 80plus Gold
Maximum heat dissipation BTU/hr and kj/hr info needed	201 BTU/hr 212 kJ/hr
Power Consumption (230 VAC)	With JL085A PSU: Idle: 56W 100% Traffic Rate: 75W
Safety	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 3rd Ed. CSA-C22.2 No. 62368-1 3rd 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 Taiwan: CNS 15598-1:2020
Emissions	Europe: EN 55032:2015 +A11:2020, Class A EN 55035:2017 +A11:2020 EN 61000-3-2:2019 EN 61000-3-3:2013/A1:2019 US: FCC 47 CFR part 15B:2014, Class A Canada: ICES-003 Class A Worldwide:

Technical Specifications

	VCCI Class A CISPR 32 Ed 2.1: 2019 Class A CISPR 35 Ed 1.0:2016
Lasers	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 +A11:2020
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 EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.

Aruba 6200M 24G Class4 PoE 4SFP+ Switch (R8Q68A)

Specifications	
Description	<p>24x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port</p> <p>4x 1G/10G SFP ports (2x LRM; 2x LRM/MACSec 256)</p> <p>Supports PoE Standards IEEE 802.3af, 802.3at</p> <p>1x RJ-45 Console Port 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port</p>
Power supplies	<p>2 field-replaceable, hotswappable power supply slots</p> <p>1 minimum power supply required (ordered separately)</p> <p>Supported PSUs JL086A JL087A</p> <p>Max PoE Power: 740W</p>
Fans	<p>Switch has two fan tray slots; Switch includes one fan tray.</p> <ul style="list-style-type: none"> • Min 1 fan tray required. Optional second fan tray ordered separately. • Fan trays are field replaceable and hotswappable. • Each fan tray contains two fans.
Physical characteristics	
Dimensions	<p>(H) 4.4 cm x (W) 44.2 cm x (D) 38.5 cm (1.73" x 17.4" x 15.2")</p>



Technical Specifications

Configuration Weight	5.83 kg (12.85 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	8 MB Packet Buffer Memory
Performance	
Model Switching Capacity	128 Gbps
Model Throughput Capacity	Up to 95.2 Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 2.28μSec 10Gbps: 1.46μSec
Stack Size	8 members (with other 24/48p 6200F and 6200M switches only; No stacking support with 12p 6200F switches)
Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	128
IPv4 Host Table (ARP)	8,000
IPv6 Host Table (ND)	8,000
IPv4 Unicast Routes	2,000
IPv6 Unicast Routes	2,000
MAC Table Capacity	16,000
IGMP Groups	1,000
MLD Groups	1,000
IPv4/IPv6/MAC ACL Entries (ingress)	1,000/1,000/1,000
IPv4/IPv6/MAC ACL Entries (egress)	512/256/512
Environment	
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Operating Relative Humidity	15% to 95% @ 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 5.0 Bel Sound Pressure, LpAm (Bystander) = 32.8 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	JL086A PSU: 100V-240V JL087A PSU: 110V-240V
Current	JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A
80plus.org Certification	JL086A PSU: Gold JL087A PSU: Platinum
Maximum heat dissipation BTU/hr and kj/hr info needed	222 BTU/hr 234 kJ/hr

Technical Specifications

Power Consumption (230 VAC)	<p>With JL086A PSU: Idle: 60W 100% Traffic Rate: 76W</p> <p>With JL087A PSU: Idle: 59W 100% Traffic Rate: 74W</p>
Safety	<p>Europe: EN 62368-1:2014 +A11:2017 2nd Ed. EN 62368-1:2020 +A11:2020 3rd Ed.</p> <p>UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed</p> <p>US/Canada: UL 62368-1 3rd Ed. CSA-C22.2 No. 62368-1 3rd Ed.</p> <p>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</p> <p>Taiwan: CNS 15598-1:2020</p>
Emissions	<p>Europe: EN 55032:2015 +A11:2020, Class A EN 55035:2017 +A11:2020 EN 61000-3-2:2019 EN 61000-3-3:2013/A1:2019</p> <p>US: FCC 47 CFR part 15B:2014, Class A</p> <p>Canada: ICES-003 Class A</p> <p>Worldwide: VCCI Class A CISPR 32 Ed 2.1: 2019 Class A CISPR 35 Ed 1.0:2016</p>
Lasers	<p>EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)</p>
Immunity	
Generic	CISPR 35
EN	EN 55035:2017 +A11:2020
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
Mounting and Enclosure	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.

Aruba 6200M 48G 4SFP+ Switch (R8Q69A)

Specifications	
Description	<p>48x ports 10/100/1000BASE-T Ports</p> <p>4x 1G/10G SFP ports (2x LRM; 2x LRM/MACSec 256)</p> <p>1x RJ-45 Console Port 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port</p>
Power supplies	<p>2 field-replaceable, hotswappable power supply slots</p> <p>1 minimum power supply required (ordered separately)</p> <p>Supports JL085A PSU</p>
Fans	<p>Switch has two fan tray slots; Switch includes one fan tray.</p> <ul style="list-style-type: none"> • Min 1 fan tray required. Optional second fan tray ordered separately. • Fan trays are field replaceable and hotswappable. • Each fan tray contains two fans.
Physical characteristics	
Dimensions	<p>(H) 4.4 cm x (W) 44.2 cm x (D) 38.5 cm (1.73" x 17.4" x 15.2")</p>
Configuration Weight	5.73 kg (12.63 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	8 MB Packet Buffer Memory
Performance	
Model Switching Capacity	176 Gbps
Model Throughput Capacity	Up to 130.9Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 2.28μSec 10Gbps: 1.46μSec
Stack Size	8 members (with other 24/48p 6200F and 6200M switches only; No stacking support with 12p 6200F switches)
Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	128



Technical Specifications

IPv4 Host Table (ARP)	8,000
IPv6 Host Table (ND)	8,000
IPv4 Unicast Routes	2,000
IPv6 Unicast Routes	2,000
MAC Table Capacity	16,000
IGMP Groups	1,000
MLD Groups	1,000
IPv4/IPv6/MAC ACL Entries (ingress)	1,000/1,000/1,000
IPv4/IPv6/MAC ACL Entries (egress)	512/256/512
Environment	
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Operating Relative Humidity	15% to 95% @ 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 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	JL085A PSU: 100V-240V
Current	JL085A PSU: 3A/1.2A
80plus.org Certification	JL085A PSU: 80plus Gold
Maximum heat dissipation BTU/hr and kj/hr info needed	232 BTU/hr 245 kJ/hr
Power Consumption (230 VAC)	With JL085A PSU: Idle: 56W 100% Traffic Rate: 75W
Safety	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 3rd Ed. CSA-C22.2 No. 62368-1 3rd 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



Technical Specifications

	Taiwan: CNS 15598-1:2020
Emissions	Europe: EN 55032:2015 +A11:2020, Class A EN 55035:2017 +A11:2020 EN 61000-3-2:2019 EN 61000-3-3:2013/A1:2019 US: FCC 47 CFR part 15B:2014, Class A Canada: ICES-003 Class A Worldwide: VCCI Class A CISPR 32 Ed 2.1: 2019 Class A CISPR 35 Ed 1.0:2016
Lasers	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 +A11:2020
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 EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.



Technical Specifications

Aruba 6200M 48G Class4 PoE 4SFP+ Switch (R8Q70A)	
Specifications	
Description	<p>48x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port</p> <p>4x 1G/10G SFP ports (2x LRM; 2x LRM/MACSec 256)</p> <p>Supports PoE Standards IEEE 802.3af, 802.3at</p> <p>1x RJ-45 Console Port 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port</p>
Power supplies	<p>2 field-replaceable, hotswappable power supply slots</p> <p>1 minimum power supply required (ordered separately)</p> <p>Supported PSUs JL086A JL087A</p> <p>Max PoE Power: 1440W</p>
Fans	<p>Switch has two fan tray slots; Switch includes one fan trays.</p> <ul style="list-style-type: none"> • Min 1 fan tray required. Optional second fan tray ordered separately. • Fan trays are field replaceable and hotswappable. • Each fan tray contains two fans.
Physical characteristics	
Dimensions	<p>(H) 4.4 cm x (W) 44.2 cm x (D) 38.5 cm (1.73" x 17.4" x 15.2")</p>
Configuration Weight	6.15 kg (13.56 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	8 MB Packet Buffer Memory
Performance	
Model Switching Capacity	176 Gbps
Model Throughput Capacity	Up to 130.9Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 2.28μSec 10Gbps: 1.46μSec
Stack Size	8 members (with other 24/48p 6200F and 6200M switches only; No stacking support with 12p 6200F switches)
Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	128
IPv4 Host Table (ARP)	8,000
IPv6 Host Table (ND)	8,000



Technical Specifications

IPv4 Unicast Routes	2,000
IPv6 Unicast Routes	2,000
MAC Table Capacity	16,000
IGMP Groups	1,000
MLD Groups	1,000
IPv4/IPv6/MAC ACL Entries (ingress)	1,000/1,000/1,000
IPv4/IPv6/MAC ACL Entries (egress)	512/256/512
Environment	
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Operating Relative Humidity	15% to 95% @ 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 4.9 Bel Sound Pressure, LpAm (Bystander) = 32.7 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	JL086A PSU: 100V-240V JL087A PSU: 110V-240V
Current	JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A
80plus.org Certification	JL086A PSU: Gold JL087A PSU: Platinum
Maximum heat dissipation BTU/hr and kj/hr info needed	260 BTU/hr 274 kJ/hr
Power Consumption (230 VAC)	With JL086A PSU: Idle: 60W 100% Traffic Rate: 76W With JL087A PSU: Hibernation (0 rpm fan): 17W Idle: 59W 100% Traffic Rate: 74W
Safety	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 3rd Ed. CSA-C22.2 No. 62368-1 3rd Ed. Worldwide: IEC 60950-1:2005 + Am1:2009 + Am2:2013 w/all known National

Technical Specifications

	<p>Deviations IEC 62368-1:2014 2nd Ed. w/all known National Deviations IEC 62368-1:2018 3rd Ed. w/all known National Deviations</p> <p>Taiwan: CNS 15598-1:2020</p>
Emissions	<p>Europe: EN 55032:2015 +A11:2020, Class A EN 55035:2017 +A11:2020 EN 61000-3-2:2019 EN 61000-3-3:2013/A1:2019</p> <p>US: FCC 47 CFR part 15B:2014, Class A</p> <p>Canada: ICES-003 Class A</p> <p>Worldwide: VCCI Class A CISPR 32 Ed 2.1: 2019 Class A CISPR 35 Ed 1.0:2016</p>
Lasers	<p>EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)</p>
Immunity	
Generic	CISPR 35
EN	EN 55035:2017 +A11:2020
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	<p>Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.</p>



Technical Specifications

Aruba 6200M 36G 12SR5 Class6 PoE 4SFP+ Switch (R8Q71A)	
Specifications	
Description	<p>36x ports 10/100/1000BASE-T Class 6 PoE Ports, supporting up to 60W per port</p> <p>12x ports SmartRate 1G/2.5G/5G BaseT Class 6 PoE ports supporting up to 60W per port</p> <p>4x 1G/10G SFP ports (2x LRM; 2x LRM/MACSec 256)</p> <p>Supports PoE Standards IEEE 802.3af, 802.3at, 802.3bt (up to 60W)</p> <p>1x RJ-45 Console Port 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port</p>
Power supplies	<p>2 field-replaceable, hotswappable power supply slots</p> <p>1 minimum power supply required (ordered separately)</p> <p>Supported PSUs JL086A JL087A</p> <p>Max PoE Power: 1440W</p>
Fans	<p>Switch has two fan tray slots; Switch includes one fan trays.</p> <ul style="list-style-type: none"> • Min 1 fan tray required. Optional second fan tray ordered separately. • Fan trays are field replaceable and hotswappable. • Each fan tray contains two fans.
Physical characteristics	
Dimensions	<p>(H) 4.4 cm x (W) 44.2 cm x (D) 38.5 cm (1.73" x 17.4" x 15.2")</p>
Configuration Weight	6.31 kg (13.91 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	8 MB Packet Buffer Memory
Performance	
Model Switching Capacity	272 Gbps
Model Throughput Capacity	Up to 130.9Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 2.28µSec 10Gbps: 1.46µSec
Stack Size	8 members (with other 24/48p 6200F and 6200M switches only; No stacking support with 12p 6200F switches)
Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	128
IPv4 Host Table (ARP)	8,000
IPv6 Host Table (ND)	8,000



Technical Specifications

IPv4 Unicast Routes	2,000
IPv6 Unicast Routes	2,000
MAC Table Capacity	16,000
IGMP Groups	1,000
MLD Groups	1,000
IPv4/IPv6/MAC ACL Entries (ingress)	1,000/1,000/1,000
IPv4/IPv6/MAC ACL Entries (egress)	512/256/512
Environment	
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Operating Relative Humidity	15% to 95% @ 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 5.3 Bel Sound Pressure, LpAm (Bystander) = 37.1 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	JL086A PSU: 100V-240V JL087A PSU: 110V-240V
Current	JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A
80plus.org Certification	JL086A PSU: Gold JL087A PSU: Platinum
Maximum heat dissipation BTU/hr and kj/hr info needed	260 BTU/hr 274 kJ/hr
Power Consumption (230 VAC)	With JL086A PSU: Idle: 60W 100% Traffic Rate: 76W With JL087A PSU: Hibernation (0 rpm fan): 17W Idle: 59W 100% Traffic Rate: 74W
Safety	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 3rd Ed. CSA-C22.2 No. 62368-1 3rd 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

Technical Specifications

	Taiwan: CNS 15598-1:2020
Emissions	Europe: EN 55032:2015 +A11:2020, Class A EN 55035:2017 +A11:2020 EN 61000-3-2:2019 EN 61000-3-3:2013/A1:2019 US: FCC 47 CFR part 15B:2014, Class A Canada: ICES-003 Class A Worldwide: VCCI Class A CISPR 32 Ed 2.1: 2019 Class A CISPR 35 Ed 1.0:2016
Lasers	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 +A11:2020
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 EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.

Aruba 6200M 24G 4SFP+ TAA Switch (R8V08A)

Specifications	
Description	24x ports 10/100/1000BASE-T Ports 4x 1G/10G SFP ports (2x LRM; 2x LRM/MACSec 256) 1x RJ-45 Console Port 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port
Power supplies	2 field-replaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately) Supports JL085A PSU
Fans	Switch has two fan tray slots; Switch includes one fan tray <ul style="list-style-type: none"> Min 1 fan tray required. Optional second fan tray ordered separately



Technical Specifications

	<ul style="list-style-type: none"> 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")
Configuration Weight	5.59 kg (12.32 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	8 MB Packet Buffer Memory
Performance	
Model Switching Capacity	128 Gbps
Model Throughput Capacity	Up to 95.2 Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 2.28μSec 10Gbps: 1.46μSec
Stack Size	8 members (with other 24/48p 6200F and 6200M switches only; No stacking support with 12p 6200F switches)
Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	128
IPv4 Host Table (ARP)	8,000
IPv6 Host Table (ND)	8,000
IPv4 Unicast Routes	2,000
IPv6 Unicast Routes	2,000
MAC Table Capacity	16,000
IGMP Groups	1,000
MLD Groups	1,000
IPv4/IPv6/MAC ACL Entries (ingress)	1,000/1,000/1,000
IPv4/IPv6/MAC ACL Entries (egress)	512/256/512
Environment	
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Operating Relative Humidity	15% to 95% @ 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 4.9 Bel Sound Pressure, LpAm (Bystander) = 32.5 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz

Technical Specifications

AC Voltage	JL085A PSU: 100V-240V
Current	JL085A PSU: 3A/1.2A
80plus.org Certification	JL085A PSU: 80plus Gold
Maximum heat dissipation BTU/hr and kj/hr info needed	201 BTU/hr 212 kJ/hr
Power Consumption (230 VAC)	With JL085A PSU: Idle: 56W 100% Traffic Rate: 75W
Safety	<p>Europe: EN 62368-1:2014 +A11:2017 2nd Ed. EN 62368-1:2020 +A11:2020 3rd Ed.</p> <p>UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed</p> <p>US/Canada: UL 62368-1 3rd Ed. CSA-C22.2 No. 62368-1 3rd Ed.</p> <p>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</p> <p>Taiwan: CNS 15598-1:2020</p>
Emissions	<p>Europe: EN 55032:2015 +A11:2020, Class A EN 55035:2017 +A11:2020 EN 61000-3-2:2019 EN 61000-3-3:2013/A1:2019</p> <p>US: FCC 47 CFR part 15B:2014, Class A</p> <p>Canada: ICES-003 Class A</p> <p>Worldwide: VCCI Class A CISPR 32 Ed 2.1: 2019 Class A CISPR 35 Ed 1.0:2016</p>
Lasers	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 +A11:2020
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3



Technical Specifications

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 EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.

Aruba 6200M 24G Class4 PoE 4SFP+ TAA Switch (R8V09A)

Specifications	
Description	<p>24x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port</p> <p>4x 1G/10G SFP ports (2x LRM; 2x LRM/MACSec 256)</p> <p>Supports PoE Standards IEEE 802.3af, 802.3at</p> <p>1x RJ-45 Console Port 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port</p>
Power supplies	<p>2 field-replaceable, hotswappable power supply slots</p> <p>1 minimum power supply required (ordered separately)</p> <p>Supported PSUs JL086A JL087A</p> <p>Max PoE Power: 740W</p>
Fans	<p>Switch has two fan tray slots; Switch includes one fan tray.</p> <ul style="list-style-type: none"> Min 1 fan tray required. Optional second fan tray ordered separately. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.
Physical characteristics	
Dimensions	<p>(H) 4.4 cm x (W) 44.2 cm x (D) 38.5 cm (1.73" x 17.4" x 15.2")</p>
Configuration Weight	5.83 kg (12.85 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	8 MB Packet Buffer Memory
Performance	
Model Switching Capacity	128 Gbps



Technical Specifications

Model Throughput Capacity	Up to 95.2 Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 2.28µSec 10Gbps: 1.46µSec
Stack Size	8 members (with other 24/48p 6200F and 6200M switches only; No stacking support with 12p 6200F switches)
Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	128
IPv4 Host Table (ARP)	8,000
IPv6 Host Table (ND)	8,000
IPv4 Unicast Routes	2,000
IPv6 Unicast Routes	2,000
MAC Table Capacity	16,000
IGMP Groups	1,000
MLD Groups	1,000
IPv4/IPv6/MAC ACL Entries (ingress)	1,000/1,000/1,000
IPv4/IPv6/MAC ACL Entries (egress)	512/256/512
Environment	
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Operating Relative Humidity	15% to 95% @ 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 5.0 Bel Sound Pressure, LpAm (Bystander) = 32.8 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	JL086A PSU: 100V-240V JL087A PSU: 110V-240V
Current	JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A
80plus.org Certification	JL086A PSU: Gold JL087A PSU: Platinum
Maximum heat dissipation BTU/hr and kj/hr info needed	222 BTU/hr 234 kJ/hr
Power Consumption (230 VAC)	With JL086A PSU: Idle: 60W 100% Traffic Rate: 76W With JL087A PSU: Idle: 59W 100% Traffic Rate: 74W
Safety	Europe: EN 62368-1:2014 +A11:2017 2nd Ed.

Technical Specifications

	<p>EN 62368-1:2020 +A11:2020 3rd Ed.</p> <p>UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed</p> <p>US/Canada: UL 62368-1 3rd Ed. CSA-C22.2 No. 62368-1 3rd Ed.</p> <p>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</p> <p>Taiwan: CNS 15598-1:2020</p>
Emissions	<p>Europe: EN 55032:2015 +A11:2020, Class A EN 55035:2017 +A11:2020 EN 61000-3-2:2019 EN 61000-3-3:2013/A1:2019</p> <p>US: FCC 47 CFR part 15B:2014, Class A</p> <p>Canada: ICES-003 Class A</p> <p>Worldwide: VCCI Class A CISPR 32 Ed 2.1: 2019 Class A CISPR 35 Ed 1.0:2016</p>
Lasers	<p>EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)</p>
Immunity	
Generic	CISPR 35
EN	EN 55035:2017 +A11:2020
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 EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.



Technical Specifications

Aruba 6200M 48G 4SFP+ TAA Switch (R8V10A)	
Specifications	
Description	<p>48x ports 10/100/1000BASE-T Ports</p> <p>4x 1G/10G SFP ports (2x LRM; 2x LRM/MACSec 256)</p> <p>1x RJ-45 Console Port 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port</p>
Power supplies	<p>2 field-replaceable, hotswappable power supply slots</p> <p>1 minimum power supply required (ordered separately)</p> <p>Supports JL085A PSU</p>
Fans	<p>Switch has two fan tray slots; Switch includes one fan tray.</p> <ul style="list-style-type: none"> • Min 1 fan tray required. Optional second fan tray ordered separately • Fan trays are field replaceable and hotswappable. • Each fan tray contains two fans.
Physical characteristics	
Dimensions	<p>(H) 4.4 cm x (W) 44.2 cm x (D) 38.5 cm (1.73" x 17.4" x 15.2")</p>
Configuration Weight	5.73 kg (12.63 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	8 MB Packet Buffer Memory
Performance	
Model Switching Capacity	176 Gbps
Model Throughput Capacity	Up to 130.9Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 2.28μSec 10Gbps: 1.46μSec
Stack Size	8 members (with other 24/48p 6200F and 6200M switches only; No stacking support with 12p 6200F switches)
Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	128
IPv4 Host Table (ARP)	8,000
IPv6 Host Table (ND)	8,000
IPv4 Unicast Routes	2,000
IPv6 Unicast Routes	2,000
MAC Table Capacity	16,000
IGMP Groups	1,000
MLD Groups	1,000



Technical Specifications

IPv4/IPv6/MAC ACL Entries (ingress)	1,000/1,000/1,000
IPv4/IPv6/MAC ACL Entries (egress)	512/256/512
Environment	
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Operating Relative Humidity	15% to 95% @ 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 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	JL085A PSU: 100V-240V
Current	JL085A PSU: 3A/1.2A
80plus.org Certification	JL085A PSU: 80plus Gold
Maximum heat dissipation BTU/hr and kj/hr info needed	232 BTU/hr 245 kJ/hr
Power Consumption (230 VAC)	With JL085A PSU: Idle: 56W 100% Traffic Rate: 75W
Safety	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 3rd Ed. CSA-C22.2 No. 62368-1 3rd 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 Taiwan: CNS 15598-1:2020
Emissions	Europe: EN 55032:2015 +A11:2020, Class A EN 55035:2017 +A11:2020 EN 61000-3-2:2019 EN 61000-3-3:2013/A1:2019 US:

Technical Specifications

	FCC 47 CFR part 15B:2014, Class A Canada: ICES-003 Class A Worldwide: VCCI Class A CISPR 32 Ed 2.1: 2019 Class A CISPR 35 Ed 1.0:2016
Lasers	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 +A11:2020
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 EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.

Aruba 6200M 48G Class4 PoE 4SFP+ TAA Switch (R8V11A)

Specifications	
Description	48x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 1G/10G SFP ports (2x LRM; 2x LRM/MACSec 256) Supports PoE Standards IEEE 802.3af, 802.3at 1x RJ-45 Console Port 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port
Power supplies	2 field-replaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately) Supported PSUs JL086A JL087A Max PoE Power: 1440W
Fans	Switch has two fan tray slots; Switch includes one fan trays. <ul style="list-style-type: none"> • Min 1 fan tray required. Optional second fan tray ordered separately. • Fan trays are field replaceable and hotswappable. • Each fan tray contains two fans.

Technical Specifications

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")
Configuration Weight	6.15 kg (13.56 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	8 MB Packet Buffer Memory
Performance	
Model Switching Capacity	176 Gbps
Model Throughput Capacity	Up to 130.9Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 2.28μSec 10Gbps: 1.46μSec
Stack Size	8 members (with other 24/48p 6200F and 6200M switches only; No stacking support with 12p 6200F switches)
Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	128
IPv4 Host Table (ARP)	8,000
IPv6 Host Table (ND)	8,000
IPv4 Unicast Routes	2,000
IPv6 Unicast Routes	2,000
MAC Table Capacity	16,000
IGMP Groups	1,000
MLD Groups	1,000
IPv4/IPv6/MAC ACL Entries (ingress)	1,000/1,000/1,000
IPv4/IPv6/MAC ACL Entries (egress)	512/256/512
Environment	
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Operating Relative Humidity	15% to 95% @ 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 4.9 Bel Sound Pressure, LpAm (Bystander) = 32.7 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	JL086A PSU: 100V-240V JL087A PSU: 110V-240V



Technical Specifications

Current	JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A
80plus.org Certification	JL086A PSU: Gold JL087A PSU: Platinum
Maximum heat dissipation BTU/hr and kj/hr info needed	260 BTU/hr 274 kJ/hr
Power Consumption (230 VAC)	With JL086A PSU: Idle: 60W 100% Traffic Rate: 76W With JL087A PSU: Hibernation (0 rpm fan): 17W Idle: 59W 100% Traffic Rate: 74W
Safety	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 3rd Ed. CSA-C22.2 No. 62368-1 3rd 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 Taiwan: CNS 15598-1:2020
Emissions	Europe: EN 55032:2015 +A11:2020, Class A EN 55035:2017 +A11:2020 EN 61000-3-2:2019 EN 61000-3-3:2013/A1:2019 US: FCC 47 CFR part 15B:2014, Class A Canada: ICES-003 Class A Worldwide: VCCI Class A CISPR 32 Ed 2.1: 2019 Class A CISPR 35 Ed 1.0:2016
Lasers	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 +A11:2020



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
Mounting and Enclosure	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.

Aruba 6200M 36G 12SR5 Class6 PoE 4SFP+ TAA Switch (R8V12A)

Specifications	
Description	<p>36x ports 10/100/1000BASE-T Class 6 PoE Ports, supporting up to 60W per port</p> <p>12x ports SmartRate 1G/2.5G/5G BaseT Class 6 PoE ports supporting up to 60W per port</p> <p>4x 1G/10G SFP ports (2x LRM; 2x LRM/MACSec 256)</p> <p>Supports PoE Standards IEEE 802.3af, 802.3at, 802.3bt (up to 60W)</p> <p>1x RJ-45 Console Port 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port</p>
Power supplies	<p>2 field-replaceable, hotswappable power supply slots</p> <p>1 minimum power supply required (ordered separately)</p> <p>Supported PSUs JL086A JL087A</p> <p>Max PoE Power: 1440W</p>
Fans	<p>Switch has two fan tray slots; Switch includes one fan trays.</p> <ul style="list-style-type: none"> Min 1 fan tray required. Optional second fan tray ordered separately. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.
Physical characteristics	
Dimensions	<p>(H) 4.4 cm x (W) 44.2 cm x (D) 38.5 cm (1.73" x 17.4" x 15.2")</p>
Configuration Weight	6.31 kg (13.91 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	8 MB Packet Buffer Memory

Technical Specifications

Performance	
Model Switching Capacity	272 Gbps
Model Throughput Capacity	Up to 130.9Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 2.28µSec 10Gbps: 1.46µSec
Stack Size	8 members (with other 24/48p 6200F and 6200M switches only; No stacking support with 12p 6200F switches)
Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	128
IPv4 Host Table (ARP)	8,000
IPv6 Host Table (ND)	8,000
IPv4 Unicast Routes	2,000
IPv6 Unicast Routes	2,000
MAC Table Capacity	16,000
IGMP Groups	1,000
MLD Groups	1,000
IPv4/IPv6/MAC ACL Entries (ingress)	1,000/1,000/1,000
IPv4/IPv6/MAC ACL Entries (egress)	512/256/512
Environment	
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Operating Relative Humidity	15% to 95% @ 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 5.3 Bel Sound Pressure, LpAm (Bystander) = 37.1 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	JL086A PSU: 100V-240V JL087A PSU: 110V-240V
Current	JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A
80plus.org Certification	JL086A PSU: Gold JL087A PSU: Platinum
Maximum heat dissipation BTU/hr and kj/hr info needed	260 BTU/hr 274 kJ/hr
Power Consumption (230 VAC)	With JL086A PSU: Idle: 60W 100% Traffic Rate: 76W With JL087A PSU: Hibernation (0 rpm fan): 17W Idle: 59W 100% Traffic Rate: 74W

Technical Specifications

Safety	<p>Europe: EN 62368-1:2014 +A11:2017 2nd Ed. EN 62368-1:2020 +A11:2020 3rd Ed.</p> <p>UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed</p> <p>US/Canada: UL 62368-1 3rd Ed. CSA-C22.2 No. 62368-1 3rd Ed.</p> <p>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</p> <p>Taiwan: CNS 15598-1:2020</p>
Emissions	<p>Europe: EN 55032:2015 +A11:2020, Class A EN 55035:2017 +A11:2020 EN 61000-3-2:2019 EN 61000-3-3:2013/A1:2019</p> <p>US: FCC 47 CFR part 15B:2014, Class A</p> <p>Canada: ICES-003 Class A</p> <p>Worldwide: VCCI Class A CISPR 32 Ed 2.1: 2019 Class A CISPR 35 Ed 1.0:2016</p>
Lasers	<p>EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)</p>
Immunity	
Generic	CISPR 35
EN	EN 55035:2017 +A11:2020
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 EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.



Technical Specifications

Aruba 6200F 24G 4SFP+ Switch (JL724A)		
I/O ports	24x ports 10/100/1000BASE-T ports 4x 1/10G SFP ports	
Additional ports and slots	1x USB-C console port 1x OOBM port 1x USB Type-A host port 1x Bluetooth dongle to be used with Aruba CX Mobile App	
Power supplies	Fixed power supply (200W)	
Fans	Fixed fans	
Physical characteristics	Dimensions	17.4(w) x 12.9(d) x 1.73(h) in 44.2 x 32.7 x 4.39 cm
	Weight	9.61 lbs (4.36 kg)
CPU	Quad Core ARM Cortex™ A72 @ 1.8 GHz	
Memory and Flash	8 GB DDR4 16 GB eMMC	
Packet buffer	8 MB packet buffer memory	
Performance	Model switching capacity	128 Gbps
	Model throughput capacity	Up to 95.2 Mpps
	Average latency (LIFO-64-bytes packets)	1 Gbps: 2.28 μSec
		10 Gbps: 1.46 μSec
	Stack size	8 members using 10G SFP ports
	Max. stacking distance	Up to 10 kms with long range transceivers
	Switched virtual interfaces (dual stack)	128
	IPv4 host table (ARP)	8,192
	IPv6 host table (ND)	8,192
	IPv4 unicast routes	2,048
	IPv6 unicast routes	1,024
	MAC table capacity	16,000
	IGMP groups	1,024
	MLD groups	1,024
	IPv4/IPv6/MAC ACL entries (ingress)	5,120/1280/5,120
	IPv4/IPv6/MAC ACL entries (egress)	2,048/512/2,048
Environment	Operating temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft Derate -1°C for every 1,000 ft from 5,000 to 10,000 ft
	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 relative humidity	15% to 90% @ 149°F (65°C) non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	15,000 feet (4.6 km) max
	Acoustics	Sound power, LWAd = 4.9 Bel Sound pressure, LpAm (bystander) = 32.5 dB
	Primary airflow	Front and side-to-back
Electrical characteristics	Frequency	50Hz/60Hz
	AC voltage	100-120V/200-240V
	Current	2.5A/1.4A
	80plus.org certification	80 PLUS Silver
	Maximum heat dissipation BTU/hr and kJ/hr info needed	232 BTU/hr
245 kJ/hr 201 BTU/hr		

Technical Specifications

		212 kJ/hr
		222 BTU/hr
		234 kJ/hr
	Power consumption (230 VAC)	Hibernation (0 rpm fan): 7W Idle: 49W 100% traffic rate: 59W
Safety		<ul style="list-style-type: none"> • EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013 • EN 62368-1:2014 +A11:2017 • UL 60950-1 2nd Ed. • CAN/CSA-C22.2 No. 60950-1-07 • IEC 60950-1:2005 w/all known National Deviations • IEC 62368-1:2014 2nd Ed. • CNS-14336-1
Emissions		<ul style="list-style-type: none"> • EN 55032:2015 +AC:2016, Class A • EN 55024:2010 • EN 55035:2017 • EN 61000-3-2:2014 • EN 61000-3-3:2013 • FCC 47 CFR part 15B, Class A • ICES-003 Class A • VCCI Class A • CISPR 32 Ed 2.0: 2015 + COR1:2016, Class A • CISPR 24:2010 • 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 55024:2010 / EN 55035:2017
	ESD	EN 61000-4-2
	Radiated	EN 61000-4-3
	EFT/Burst	EN 61000-4-4
	Surge	EN 61000-4-5
	Conducted	EN 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	EN 61000-4-11
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
Mounting and Enclosure		Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.



Technical Specifications

Aruba 6200F 24G Class4 PoE 4SFP+ 370W Switch (JL725A)		
I/O ports	24x 10/100/1000BASE-T Class 4 PoE ports, supporting up to 30W per port 4x 1/10G SFP ports Supports PoE standards IEEE 802.3af, 802.3at	
Additional ports and slots	1x USB-C console port 1x OOBM port 1x USB Type-A host port 1x Bluetooth dongle to be used with Aruba CX Mobile App	
Power supplies	Fixed power supply (500W) Up to 370W of Class 4 PoE power	
Fans	Fixed fans	
Physical characteristics	Dimensions	17.4(w) x 12.9(d) x 1.73(h) in 44.2 x 32.7 x 4.39 cm
	Weight	10.80 lbs (4.90 kg)
CPU	Quad Core ARM Cortex™ A72 @ 1.8 GHz	
Memory and Flash	8 GB DDR4 16 GB eMMC	
Packet buffer	8 MB packet buffer memory	
Performance	Model switching capacity	128 Gbps
	Model throughput capacity	Up to 95.2 Mpps
	Average latency (LIFO-64-bytes packets)	1 Gbps: 2.28 μSec
		10 Gbps: 1.46 μSec
	Stack size	8 members using 10G SFP ports
	Max. stacking distance	Up to 10 kms with long range transceivers
	Switched virtual interfaces (dual stack)	128
	IPv4 host table (ARP)	8,192
	IPv6 host table (ND)	8,192
	IPv4 unicast routes	2,048
	IPv6 unicast routes	1,024
	MAC table capacity	16,000
	IGMP groups	1,024
	MLD groups	1,024
IPv4/IPv6/MAC ACL entries (ingress)	5,120/1280/5,120	
IPv4/IPv6/MAC ACL entries (egress)	2,048/512/2,048	
Environment	Operating temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft Derate -1°C for every 1,000 ft from 5,000 to 10,000 ft
	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 relative humidity	15% to 90% @ 149°F (65°C) non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	15,000 feet (4.6 km) max
	Acoustics	Sound power, LWAd = 5.0 Bel Sound pressure, LpAm (bystander) = 32.8 dB
	Primary airflow	Front and side-to-back
Electrical characteristics	Frequency	50Hz/60Hz
	AC voltage	100-120V/200-240V
	Current	7.5A/3.5A
	Power consumption (230 VAC)	Hibernation (0 rpm fan): 9W Idle: 54W 100% traffic rate: 65W



Technical Specifications

Safety	<ul style="list-style-type: none"> • EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013 • EN 62368-1:2014 +A11:2017 • UL 60950-1 2nd Ed. • CAN/CSA-C22.2 No. 60950-1-07 • IEC 60950-1:2005 w/all known National Deviations • IEC 62368-1:2014 2nd Ed. • CNS-14336-1 																						
Emissions	<ul style="list-style-type: none"> • EN 55032:2015 +AC:2016, Class A • EN 55024:2010 • EN 55035:2017 • EN 61000-3-2:2014 • EN 61000-3-3:2013 • FCC 47 CFR part 15B, Class A • ICES-003 Class A • VCCI Class A • CISPR 32 Ed 2.0: 2015 + COR1:2016, Class A • CISPR 24:2010 • CISPR 35:2016 																						
Lasers	<p>EN 60825-1:2007 / IEC 60825-1:2007 Class 1 Class 1 Laser Products / Laser Klasse 1 (applicable for accessories - optical transceivers only)</p>																						
Immunity	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Generic</td> <td>CISPR 35</td> </tr> <tr> <td>EN</td> <td>EN 55035:2017</td> </tr> <tr> <td>ESD</td> <td>EN 61000-4-2</td> </tr> <tr> <td>Radiated</td> <td>EN 61000-4-3</td> </tr> <tr> <td>EFT/Burst</td> <td>EN 61000-4-4</td> </tr> <tr> <td>Surge</td> <td>EN 61000-4-5</td> </tr> <tr> <td>Conducted</td> <td>EN 61000-4-6</td> </tr> <tr> <td>Power frequency magnetic field</td> <td>IEC 61000-4-8</td> </tr> <tr> <td>Voltage dips and interruptions</td> <td>EN 61000-4-11</td> </tr> <tr> <td>Harmonics</td> <td>EN 61000-3-2, IEC 61000-3-2</td> </tr> <tr> <td>Flicker</td> <td>EN 61000-3-3, IEC 61000-3-3</td> </tr> </table>	Generic	CISPR 35	EN	EN 55035:2017	ESD	EN 61000-4-2	Radiated	EN 61000-4-3	EFT/Burst	EN 61000-4-4	Surge	EN 61000-4-5	Conducted	EN 61000-4-6	Power frequency magnetic field	IEC 61000-4-8	Voltage dips and interruptions	EN 61000-4-11	Harmonics	EN 61000-3-2, IEC 61000-3-2	Flicker	EN 61000-3-3, IEC 61000-3-3
Generic	CISPR 35																						
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Conducted	EN 61000-4-6																						
Power frequency magnetic field	IEC 61000-4-8																						
Voltage dips and interruptions	EN 61000-4-11																						
Harmonics	EN 61000-3-2, IEC 61000-3-2																						
Flicker	EN 61000-3-3, IEC 61000-3-3																						
Mounting and Enclosure	<p>Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.</p>																						



Technical Specifications

Aruba 6200F 48G 4SFP+ Switch (JL726A)		
I/O ports	48x ports 10/100/1000BASE-T ports 4x 1/10G SFP ports	
Additional ports and slots	1x USB-C console port 1x OOBM port 1x USB Type-A host port 1x Bluetooth dongle to be used with Aruba CX Mobile App	
Power supplies	Fixed power supply (200W)	
Fans	Fixed fans	
Physical characteristics	Dimensions	17.4(w) x 12.9(d) x 1.73(h) in 44.2 x 32.7 x 4.39 cm
	Weight	9.81 lbs (4.45 kg)
CPU	Quad Core ARM Cortex™ A72 @ 1.8 GHz	
Memory and Flash	8 GB DDR4 16 GB eMMC	
Packet buffer	8 MB packet buffer memory	
Performance	Model switching capacity	176 Gbps
	Model throughput capacity	Up to 130.9 Mpps
	Average latency (LIFO-64-bytes packets)	1 Gbps: 2.28 μSec
		10 Gbps: 1.46 μSec
	Stack size	8 members using 10G SFP ports
	Max. stacking distance	Up to 10 kms with long range transceivers
	Switched virtual interfaces (dual stack)	128
	IPv4 host table (ARP)	8,192
	IPv6 host table (ND)	8,192
	IPv4 unicast routes	2,048
	IPv6 unicast routes	1,024
	MAC table capacity	16,000
	IGMP groups	1,024
	MLD groups	1,024
IPv4/IPv6/MAC ACL entries (ingress)	5,120/1280/5,120	
IPv4/IPv6/MAC ACL entries (egress)	2,048/512/2,048	
Environment	Operating temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft Derate -1°C for every 1,000 ft from 5,000 to 10,000 ft
	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 relative humidity	15% to 90% @ 149°F (65°C) non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	15,000 feet (4.6 km) max
	Acoustics	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	100-120V/200-240V
	Current	2.5A/1.4A
	80plus.org certification	80 PLUS Silver
	Power consumption (230 VAC)	Hibernation (0 rpm fan): 7W Idle: 55W 100% traffic rate: 68W

Technical Specifications

Safety	<ul style="list-style-type: none"> • EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013 • EN 62368-1:2014 +A11:2017 • UL 60950-1 2nd Ed. • CAN/CSA-C22.2 No. 60950-1-07 • IEC 60950-1:2005 w/all known National Deviations • IEC 62368-1:2014 2nd Ed. • CNS-14336-1 																						
Emissions	<ul style="list-style-type: none"> • EN 55032:2015 +AC:2016, Class A • EN 55024:2010 • EN 55035:2017 • EN 61000-3-2:2014 • EN 61000-3-3:2013 • FCC 47 CFR part 15B, Class A • ICES-003 Class A • VCCI Class A • CISPR 32 Ed 2.0: 2015 + COR1:2016, Class A • CISPR 24:2010 • 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	<table border="1"> <tr> <td>Generic</td> <td>CISPR 35</td> </tr> <tr> <td>EN</td> <td>EN 55035:2017</td> </tr> <tr> <td>ESD</td> <td>EN 61000-4-2</td> </tr> <tr> <td>Radiated</td> <td>EN 61000-4-3</td> </tr> <tr> <td>EFT/Burst</td> <td>EN 61000-4-4</td> </tr> <tr> <td>Surge</td> <td>EN 61000-4-5</td> </tr> <tr> <td>Conducted</td> <td>EN 61000-4-6</td> </tr> <tr> <td>Power frequency magnetic field</td> <td>IEC 61000-4-8</td> </tr> <tr> <td>Voltage dips and interruptions</td> <td>EN 61000-4-11</td> </tr> <tr> <td>Harmonics</td> <td>EN 61000-3-2, IEC 61000-3-2</td> </tr> <tr> <td>Flicker</td> <td>EN 61000-3-3, IEC 61000-3-3</td> </tr> </table>	Generic	CISPR 35	EN	EN 55035:2017	ESD	EN 61000-4-2	Radiated	EN 61000-4-3	EFT/Burst	EN 61000-4-4	Surge	EN 61000-4-5	Conducted	EN 61000-4-6	Power frequency magnetic field	IEC 61000-4-8	Voltage dips and interruptions	EN 61000-4-11	Harmonics	EN 61000-3-2, IEC 61000-3-2	Flicker	EN 61000-3-3, IEC 61000-3-3
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Flicker	EN 61000-3-3, IEC 61000-3-3																						
Mounting and Enclosure	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.																						



Technical Specifications

Aruba 6200F 48G Class4 PoE 4SFP+ 370W Switch (JL727A)		
I/O ports	48x 10/100/1000BASE-T Class 4 PoE ports, supporting up to 30W per port 4x 1/10G SFP ports Supports PoE Standards IEEE 802.3af, 802.3at	
Additional ports and slots	1x USB-C console port 1x OOBM port 1x USB Type-A host port 1x Bluetooth dongle to be used with Aruba CX Mobile App	
Power supplies	Fixed power supply (500W) Up to 370W of Class 4 PoE power	
Fans	Fixed fans	
Physical characteristics	Dimensions	17.4(w) x 12.9(d) x 1.73(h) in 44.2 x 32.7 x 4.39 cm
	Weight	11.13 lbs (5.05 kg)
CPU	Quad Core ARM Cortex™ A72 @ 1.8 GHz	
Memory and Flash	8 GB DDR4 16 GB eMMC	
Packet buffer	8 MB packet buffer memory	
Performance	Model switching capacity	176 Gbps
	Model throughput capacity	Up to 130.9 Mpps
	Average latency (LIFO-64-bytes packets)	1 Gbps: 2.28 μSec
		10 Gbps: 1.46 μSec
	Stack size	8 members using 10G SFP ports
	Max. stacking distance	Up to 10 kms with long range transceivers
	Switched virtual interfaces (dual stack)	128
	IPv4 host table (ARP)	8,192
	IPv6 host table (ND)	8,192
	IPv4 unicast routes	2,048
	IPv6 unicast routes	1,024
	MAC table capacity	16,000
	IGMP groups	1,024
	MLD groups	1,024
IPv4/IPv6/MAC ACL entries (ingress)	5,120/1280/5,120	
IPv4/IPv6/MAC ACL entries (egress)	2,048/512/2,048	
Environment	Operating temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft Derate -1°C for every 1,000 ft from 5,000 to 10,000 ft
	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 relative humidity	15% to 90% @ 149°F (65°C) non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	15,000 feet (4.6 km) max
	Acoustics	Sound power, LWAd = 4.9 Bel Sound pressure, LpAm (bystander) = 32.7 dB
	Primary airflow	Front and side-to-back



Technical Specifications

Electrical characteristics	Frequency	50Hz/60Hz
	AC voltage	100-120V/200-240V
	Current	7.5A/3.5A
	Maximum heat dissipation BTU/hr and kJ/hr info needed	260 BTU/hr 274 kJ/hr 260 BTU/hr 274 kJ/hr
	Power consumption (230 VAC)	Hibernation (0 rpm fan): 10W Idle: 60W 100% traffic rate: 76W
Safety	<ul style="list-style-type: none"> • EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013 • EN 62368-1:2014 +A11:2017 • UL 60950-1 2nd Ed. • CAN/CSA-C22.2 No. 60950-1-07 • IEC 60950-1:2005 w/all known National Deviations • IEC 62368-1:2014 2nd Ed. • CNS-14336-1 	
Emissions	<ul style="list-style-type: none"> • EN 55032:2015 +AC:2016, Class A • EN 55024:2010 • EN 55035:2017 • EN 61000-3-2:2014 • EN 61000-3-3:2013 • FCC 47 CFR part 15B, Class A • ICES-003 Class A • VCCI Class A • CISPR 32 Ed 2.0: 2015 + COR1:2016, Class A • CISPR 24:2010 • CISPR 35:2016 	
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Immunity	Generic	CISPR 35
	EN	EN 55035:2017
	ESD	EN 61000-4-2
	Radiated	EN 61000-4-3
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	Surge	EN 61000-4-5
	Conducted	EN 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	EN 61000-4-11
Mounting and Enclosure	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
Mounting and Enclosure	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	



Technical Specifications

Aruba 6200F 48G Class4 PoE 4SFP+ 740W Switch (JL728A)		
I/O ports	48x 10/100/1000BASE-T Class 4 PoE ports, supporting up to 30W per port 4x 1/10G SFP ports	
Additional ports and slots	1x USB-C console port 1x OOBM port 1x USB Type-A host port 1x Bluetooth dongle to be used with Aruba CX Mobile App	
Power supplies	Fixed power supply (950W) Up to 740W of Class 4 PoE power	
Fans	Fixed fans	
Physical characteristics	Dimensions	17.4(w) x 12.9(d) x 1.73(h) in 44.2 x 32.7 x 4.39 cm
	Weight	11.24 lbs (5.10 kg)
CPU	Quad Core ARM Cortex™ A72 @ 1.8 GHz	
Memory and Flash	8 GB DDR4 16 GB eMMC	
Packet buffer	8 MB packet buffer memory	
Performance	Model switching capacity	176 Gbps
	Model throughput capacity	Up to 130.9 Mpps
	Average latency (LIFO-64-bytes packets)	1 Gbps: 2.28 μSec
		10 Gbps: 1.46 μSec
	Stack size	8 members using 10G SFP ports
	Max. stacking distance	Up to 10 kms with long range transceivers
	Switched virtual interfaces (dual stack)	128
	IPv4 host table (ARP)	8,192
	IPv6 host table (ND)	8,192
	IPv4 unicast routes	2,048
	IPv6 unicast routes	1,024
	MAC table capacity	16,000
	IGMP groups	1,024
	MLD groups	1,024
IPv4/IPv6/MAC ACL entries (ingress)	5,120/1280/5,120	
IPv4/IPv6/MAC ACL entries (egress)	2,048/512/2,048	
Environment	Operating temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft Derate -1°C for every 1,000 ft from 5,000 to 10,000 ft
	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 relative humidity	15% to 90% @ 149°F (65°C) non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	15,000 feet (4.6 km) max
	Acoustics	Sound power, LWAd = 5.3 Bel Sound pressure, LpAm (bystander) = 37.1 dB
	Primary airflow	Front and side-to-back
Electrical characteristics	Frequency	50Hz/60Hz
	AC voltage	100-120V/200-240V
	Current	11A/6A
	80plus.org certification	80 PLUS Gold
	Power consumption (230 VAC)	Hibernation (0 rpm fan): 12W Idle: 62W 100% traffic rate: 76W



Technical Specifications

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Mounting and Enclosure	<p>Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.</p>																						



Technical Specifications

Standards and protocols

Applies to all products in series

- ANSI/TIA-1057 LLDP Media Endpoint Discovery (LLDP-MED)
- CPU DoS Protection
- VPNdraft-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 802.3az Energy-efficient Ethernet (EEE)
- IEEE 802.3x Flow Control
- IEEE 802.3z 1000BASE-X
- 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 1519 CIDR
- RFC 1542 BOOTP Extensions
- RFC 1583 OSPF Version 2
- RFC 1591 Domain Name System Structure and Delegation
- RFC 1812 Requirements for IP Version 4 Router
- RFC 1918 Address Allocation for Private Internet
- RFC 2236 IGMP
- RFC 2328 OSPF Version 2
- RFC 2375 IPv6 Multicast Address Assignments
- RFC 2401 Security Architecture for the Internet Protocol
- RFC 2402 IP Authentication Header
- RFC 2460 Internet Protocol, Version 6 (IPv6) Specification
- RFC 2464 Transmission of IPv6 over Ethernet Networks
- RFC 2576 (Coexistence between SNMP V1, V2, V3)
- RFC 2579 (SMIPv2 Text Conventions)
- RFC 2580 (SMIPv2 Conformance)
- RFC 2710 Multicast Listener Discovery (MLD) for IPv6
- RFC 2711 IPv6 Router Alert Option
- 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

Technical Specifications

- RFC 3056 Connection of IPv6 Domains via IPv4 Clouds
- 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 3810 Multicast Listener Discovery Version 2 (MLDv2) for IPv6
- 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
- RFC 4252 SSHv6 Authentication
- RFC 4253 SSHv6 Transport Layer
- RFC 4254 SSHv6 Connection
- RFC 4291 IP Version 6 Addressing Architecture
- RFC 4292 IP Forwarding Table MIB
- RFC 4293 Management Information Base for the Internet Protocol (IP)
- RFC 4419 Key Exchange for SSH
- RFC 4443 ICMPv6
- RFC 4541 IGMP & MLD Snooping Switch
- RFC 4601 PIM Sparse Mode
- RFC 4607 Source-Specific Multicast for IP
- RFC 4552 Authentication/Confidentiality for OSPFv3
- RFC 4675 RADIUS VLAN & Priority
- RFC 4861 IPv6 Neighbor Discovery
- RFC 4862 IPv6 Stateless Address Auto-configuration
- RFC 4940 IANA Considerations for OSPF
- 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 5798 VRRP (exclude Accept Mode and sub-sec timer)
- RFC 3768 VRRP
- RFC 5519 Multicast Group Membership Discovery MIB (MLDv2 only)
- RFC 5722 Handling of Overlapping IPv6 Fragments
- 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 768 User Datagram Protocol
- 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

Technical Specifications

- RFC 8201 Path MTU Discovery for IP version 6
 - 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
 - SNMPv1/v2c/v3
 - RFC 4861 IPv6 Neighbor Discovery
 - RFC 4862 IPv6 Stateless Address Auto-configuration
 - RFC 1757 Remote Network Monitoring Management Information Base
 - RFC 3101 OSPF Not-so-stubby-area option
 - RFC 4750 OSPFv2 MIB partial support no SetMIB
-



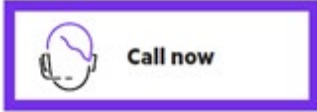
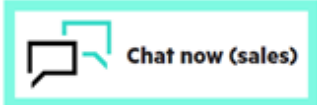
Summary of Changes

Date	Version History	Action	Description of Change
10-Jan-2023	Version 18	Changed	Configuration Information and Technical Specifications sections were updated, new SKUS were added.
05-Dec-2022	Version 17	Changed	Configuration Information section was updated, new SKUS were added.
07-Nov-2022	Version 16	Changed	Standard Features, Configuration Information, and Technical Specifications sections were updated.
03-Oct-2022	Version 15	Changed	Configuration Information section was updated.
06-Jun-2022	Version 14	Changed	Standard Features, Configuration Information, and Technical Specifications sections were updated.
02-May-2022	Version 13	Changed	Standard Features, Configuration Information, and Technical Specifications sections were updated.
04-Apr-2022	Version 12	Changed	Configuration Information section was updated, new SKUS were added.
07-Feb-2022	Version 11	Changed	Configuration Information section was updated, new SKUS were added.
06-Dec-2021	Version 10	Changed	Standard Features and Technical Specifications sections were updated.
07-Sep-2021	Version 9	Changed	Standard Features and Technical Specifications sections were updated.
09-Aug-2021	Version 8	Changed	Standard Features and Technical Specifications sections were updated.
07-Jun-2021	Version 7	Changed	Standard Features and Configuration Information sections were updated.
06-Apr-2021	Version 6	Changed	Standard Features section was updated. Obsolete SKU was deleted in Configuration Information section.
08-Mar-2021	Version 5	Changed	SKUs added in Configuration Information section.
07-Dec-2020	Version 4	Changed	Standard Features and Technical Specification sections were updated.
08-Sep-2020	Version 3	Changed	Configuration Information was updated.
15-Jun-2020	Version 2	Changed	Standard Features and Technical Specification sections were updated.
04-May-2020	Version 1	New	New QuickSpecs



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