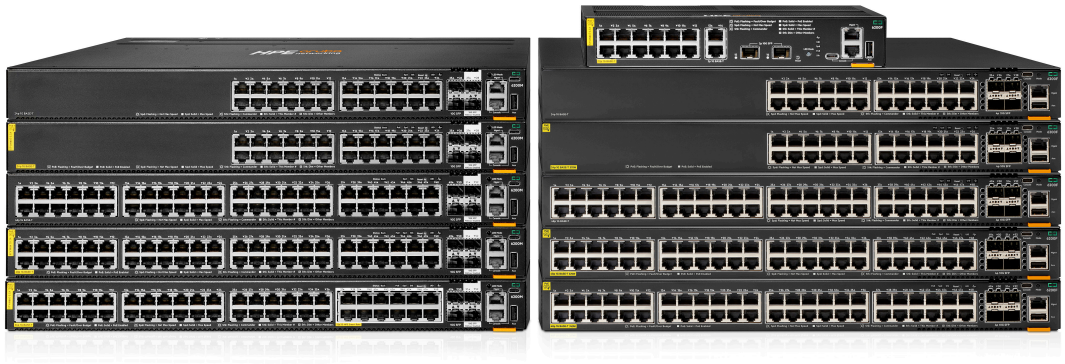
HPE Aruba Networking CX 6200 Switch Series



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 for up to 384 downlink ports
- Versatile 1G/10G uplinks with LRM and MACsec 256 support on modular switches
- Convenient built-in 1G/10G uplinks on fixed power switches and additional cost-efficient 1G uplink switch models
- Industry standard Power over Ethernet with up to 30W PoE (Class 4) (PoE) per port on fixed power switches and up to 60W PoE (Class 6) per port on modular power switches
- Intelligent monitoring, visibility, and troubleshooting with HPE Aruba Networking Network Analytics Engine
- Manage via single pane of glass with HPE Aruba Networking Central across wired, wireless, and WAN

Product overview

The HPE Aruba Networking CX 6200 Switch Series is a next-gen 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, CX 6200 switches provide an enterprise-class access layer solution that's simple and secure.

The stackable CX 6200 switches are built from the ground up with a combination of cutting-edge hardware, software, and analytics and automation tools. By combining a modern, fully programmable operating system with the HPE Aruba Networking Network Analytics Engine (NAE), the CX 6200 brings industry leading monitoring and troubleshooting capabilities to the access layer.

A powerful HPE Aruba Networking Gen7 ASIC architecture delivers reliable performance and enterprise-class feature support with flexible programmability for tomorrow's applications. The CX 6200 is designed for simple deployment using the intuitive HPE Aruba Networking CX Mobile App that speeds install, configuration and enables stacking of up to 8 switches. The CX 6200 switch series includes fixed (CX 6200F) and modular (CX 6200M) switches with built-in high-speed uplinks. Fixed switches support up to 30W of PoE per port. Flexible, modular switches offer hot-swappable power supplies and fans for enhanced resiliency and redundancy, and up to 60W of PoE per port to power the latest IoT devices, security cameras, and wireless APs.

HPE Aruba Networking Dynamic Segmentation extends foundational wireless role-based policy capability to our 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.

Product differentiators

HPE Aruba Networking AOS-CX—a modern software system

The 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.

Key features

- Simple, one touch deployment with the HPE Aruba Networking CX Mobile App
- Automated configuration and verification with HPE Aruba Networking Switch Multi-Edit Software
- Secure and simple access for users and IoT with HPE Aruba Networking Dynamic Segmentation

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 HPE Aruba Networking Network Analytics Engine (NAE) and support for HPE Aruba Networking Switch Multi-Edit Software. 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 for 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
- Software processes that all communicate with each other for near real-time state and resiliency and individual software models that can be independently upgraded for higher availability

HPE Aruba Networking Central—unified single pane of glass management

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

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

Comprehensive switch management capabilities include configuration, on-boarding, monitoring, troubleshooting, and reporting.

HPE Aruba Networking Network Analytics Engine—advanced monitoring and diagnostics

For enhanced visibility and troubleshooting, HPE Aruba Networking's Network Analytics Engine (NAE) automatically monitors and analyzes events that can impact network health. Advanced telemetry and automation provide the ability to easily identify and troubleshoot 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 historical data, making it available to quickly resolve network issues. The data may also be used to analyze trends and identify requirements.

HPE Aruba Networking Central uses NAE and agents to deliver switch monitoring, analytics, and enhanced troubleshooting for wired assurance. NetEdit and third-party tools such as ServiceNow and Slack provide the intelligence to integrate NAE alerts into IT service management processes, speeding problem resolution.

HPE Aruba Networking Switch Multi-Edit Software—automated switch configuration and management

The HPE Aruba Networking CX portfolio empowers IT teams to orchestrate multiple switch configuration changes for smooth end-to-end service rollouts. HPE Aruba Networking Switch Multi-Edit Software 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 HPE Aruba Networking NAE integration

Note: A separate software license is required to use HPE Aruba Networking Switch Multi-Edit Software.

HPE Aruba Networking CX mobile app—simplified? deployment convenience
An easy-to-use mobile app simplifies connecting, stacking and managing HPE Aruba Networking CX 6200 switches for any size project. Switch information can also be imported into HPE Aruba Networking Switch Multi-Edit Software for simplified configuration management and to continuously validate the conformance of configurations anywhere in the network.

HPE Aruba Networking ASICs—programmable innovation
Based on over 30 years of continuous investment, HPE Aruba Networking's ASICs create the basis for innovative and agile software feature advancements, unparalleled performance and deep visibility. These programmable ASICs are purpose-built to allow for a tighter integration of switch hardware and software within campus and data center architectures to optimize performance and capacity. Virtual Output Queuing (VOQ) isolates congestion, prevents Head of Line Blocking (HOLB) and allows full line rate on outgoing (egress) ports. Flexible ASIC resources enable HPE Aruba Networking's NAE solution to inspect all data, which allows for rapid feature development and delivery. The HPE Aruba Networking CX 6200 is based on the HPE Aruba Networking Gen7 ASIC architecture.

HPE Aruba Networking Dynamic Segmentation—simple, secure, and scalable segmentation
The HPE Aruba Networking Dynamic Segmentation solution enables seamless mobility, consistent policy enforcement, and automated configurations for wired and wireless clients across networks of all sizes. It unifies role-based access and policy enforcement across LAN, WLAN, and SD-WAN networks with centralized policy definition and dedicated enforcement points, ensuring that users and devices can only communicate with destinations consistent with their role-keeping traffic secure and separate. Dynamic Segmentation is based on establishing least privilege access to IT resources by segmenting traffic based on identity, a fundamental concept of both Zero Trust and SASE frameworks where trust is based on roles and policies, not on where and how a user or device connects.

This innovation begins with colorless ports and role-based microsegmentation technologies. Colorless ports allow wired clients to connect to any switch port, with the configuration automated using RADIUS-based access control. This eliminates the need for manual on-boarding of clients, including IoT devices, onto the network.

Role-based microsegmentation delivers benefits of reduced subnet and VLAN sprawl, simplified policy definition, and scalable policy enforcement by introducing the concept of client user roles.

Independent of network constructs such as VLANs and VRFs, clients can be grouped into a user role based on their identity, allowing the colorless ports technology to be extended to the centralized overlay fabric, as clients are on-boarded with automatic tunnel creation based on the associated user roles policy.

The user roles policy offers the choice between microsegmentation using centralized and unified policy enforcement for wireless and wired traffic with Layer 7 stateful firewall on gateways or a distributed approach with a Layer 4 role-role ACL on switches.

Dynamic Segmentation provides scale and flexibility in network design by allowing the stretching of VLANs and subnets across the entire network with a VXLAN-based distributed overlay fabric.

This series supports VXLAN-GBP based policies to enable role-based micro-segmentation and can participate in a HPE Aruba Networking Central NetConductor extended-edge campus solution by forming static VXLAN-GBP tunnels to fabric edge devices.

Mobility and IoT performance
The HPE Aruba Networking CX 6200 Switch Series uses a fully distributed architecture that utilizes the Gen7 HPE Aruba Networking 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 HPE Aruba Networking Virtual Switching Framework (VSF) allows you to quickly grow your network using high performance front plane stacking over copper and fiber.

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

HPE Aruba Networking CX 6200—Enterprise–class connectivity for all environments

Whether in the branch office or a small to large enterprise environment, you can choose from eleven fixed and five modular 1U models. Switches include models with two to four high-speed built-in uplinks that auto-negotiate from 1GbE to 10GbE to deliver non-blocking performance, and models that have two to four cost-efficient 1GbE uplinks. 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:

- Five 1U 6200F models that support 24, and 48 access ports of IEEE 802.3 (100M/1GbE) with four built-in 1GbE uplink SFP ports.
- Six 1U 6200F models that support 12, 24, and 48 access ports of IEEE 802.3 (100M/1GbE) with four built-in 1GbE/10GbE uplink SFP + ports on 24 to 48 port models and dual 1GbE/10GbE plus dual 1GbE uplinks on 12 port model.
- Five 1U 6200M models that support 24, and 48 access ports of IEEE 802.3 (100M/1GbE) with four built-in 1GbE/10GbE uplink SFP+ ports.
- Industry standard IEEE 802.3bt High Power PoE (Class 6) provides up to 60W per port on CX 6200M switches
- Supports industry standard IEEE 802.3at Power over Ethernet (PoE+) for up to 30W per port on CX 6200F switches
- 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 straight-through or crossover cables on all 10/100/1000 ports
- Unsupported Transceiver Mode (UTM) allows to insert and enable all unsupported 1G and 10G transceivers and cables. Note that there is no warranty nor support for the transceiver/cable when this feature is used.
- IPv6 capabilities include:
  - IPv6 host enables switches to be managed in an IPv6 network
  - Dual stack (IPv4 and IPv6) transitions from IPv4 to IPv6, supporting connectivity for both protocols
  - MLD snooping forwards IPv6 multicast traffic to the appropriate interface
  - IPv6 ACL/QoS supports ACL and QoS for IPv6 network traffic
  - IPV6 routing supports Static and OSPFv3 protocols
  - Security provides RA guard, dynamic IPv6 lockdown, and ND snooping
- Jumbo frames allow for high-performance backups and disaster- recovery systems; provides a maximum frame size of 9198 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 16 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
- EEE 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
- Hot-Patching support for standalone and VSF stacked switches

Quality of Service (QoS) features

To support congestion actions and traffic prioritization, the HPE Aruba Networking 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

Simplified configuration and management

In addition to HPE Aruba Networking Central, the HPE Aruba Networking CX Mobile App, HPE Aruba Networking Switch Multi-Edit Software and HPE Aruba Networking Network Analytics Engine, the 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
- Supports SNMP (v2c/v3) and a wide range of read, write, and trap capabilities for industry standard Management Information Base (MIB), private extensions, and common use cases, such as system, port, PoE and VLAN management
- 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
- IP SLA for Voice monitors quality of voice traffic using the UDP Jitter for VoIP tests

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 tunneling protocol for overlay network that enables a more scalable virtual network deployment
- Bridge Protocol Data Unit (BPDU) tunneling transmits STP BPDUs transparently, allowing correct tree calculations across service providers, WANs, or MANs
- Port mirroring duplicates port traffic (ingress and egress) to a 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
- QinQ support to improve the VLAN utilization by adding another 802.1Q tag to tagged packets

Layer 3 services

The following layer 3 services are supported:

- 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

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 RIPng 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 vof 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 HPE Aruba Networking 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. MAC-based and 802.1x authentication for all clients on a port can be sent to a per port RADIUS server group when one is configured
- 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
- 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-to-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
- Supports device fingerprinting—Identify a device based on collected attributes and analyze that information using ClearPass Device Insight for better visibility and to enable informed network access control decisions
- IEEE 802.1AE MACsec provides switch-to-switch and switch-to- host[1] security on a link between two ports using standard encryption and authentication

Multicast

- IGMP snooping allows multiple VLANs to receive the same IPv4 multicast traffic, lessening network bandwidth demand by reducing multiple streams to each VLAN
- Multicast Listener Discovery (MLD) enables discovery of IPv6 multicast listeners; support MLD v1 and v2
- Protocol Independent Multicast (PIM) defines modes of IPv4 and IPv6 multicasting to allow one-to-many and many-to- many transmission of information; supports PIM Sparse Mode (SM), Source-Specific Multicast (SSM), and Dense Mode (DM) for both IPv4 and IPv6
- Internet Group Management Protocol (IGMP) utilizes Any-Source Multicast (ASM) to manage IPv4 multicast networks; supports IGMPv1, v2, and v3

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
- TAA compliant models available

Customer first, customer last support

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

- Foundational Care for HPE Aruba Networking support services include priority access to HPE Aruba Networking Technical Assistance Center (TAC) engineers 24x7x365, flexible hardware and onsite support options, and total coverage for HPE Aruba Networking products. HPE Aruba Networking switches with assigned HPE Aruba Networking Central subscriptions benefit with option for additional hardware support only.
- HPE Aruba Networking Pro Care adds fast access to senior HPE Aruba Networking TAC Engineers, who are assigned as a single point of contact for case management, reducing the time spent addressing and resolving issues.

For complete details on Foundational Care and Pro Care, please visit: hpe.com/us/en/networking/hpe-aruba-networking-support-services.html

Warranty, services and support

Limited Lifetime Warranty, see arubanetworks.com/support-services/ product-warranties for warranty and support information included with your product purchase.

For more detailed information on HPE Aruba Networking AOS-CX software release and features, please visit the AOS-CX Switch Software Documentation Portal.

Explore and compare switch features for each platform and software release on the HPE Aruba Networking Switch Feature Navigator

For support and services information, visit hpe.com/us/en/networking/hpe-aruba-networking-support-services.html

[1] All 6200M models support MACsec 256 encryption on 2x uplink ports. All 6200M models (except R8Q71A) support MACsec 256 encryption on downlink ports. For R8Q71A HPE Aruba Networking CX 6200M 36G 12SR5 Class6 PoE 4SFP+ Switch, MACsec 256 encryption for downlink ports are only available on and only on ports 37-48 (SR5 ports) 37-48

Specifications

	HPE Aruba Networking CX 6200F 24G 4SFP Switch (S0M81A)	HPE Aruba Networking CX 6200F 24G class 4 PoE 4SFP 370W Switch (S0M82A)	HPE Aruba Networking CX 6200F 48G 4SFP Switch (S0M83A)	HPE Aruba Networking CX 6200F 48G class 4 PoE 4SFP 370W Switch (S0M84A)	HPE Aruba Networking CX 6200F 48G class 4 PoE 4SFP 740W Switch (S0M85A)
Description	24x ports 10/100/1000BASE-T Ports 4x 100M/1G SFP ports 1x USB-C Console Port 1x RJ-45 Console Port 1x OOBM 1x USB Type-A Host port	24x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 100M/1G SFP ports Supports PoE Standards IEEE 802.3af, 802.3at 1x USB-C Console Port 1x RJ-45 Console Port 1x OOBM 1x USB Type-A Host port	48x ports 10/100/1000BASE-T Ports 4x 100M/1G SFP ports 1x USB-C Console Port 1x RJ-45 Console Port 1x OOBM 1x USB Type-A Host port	48x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 100M/1G SFP ports Supports PoE Standards IEEE 802.3af, 802.3at 1x USB-C Console Port 1x RJ-45 Console Port 1x OOBM 1x USB Type-A Host port	48x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 100M/1G SFP ports Supports PoE Standards IEEE 802.3af, 802.3at 1x USB-C Console Port 1x RJ-45 Console Port 1x OOBM 1x USB Type-A Host port
Power supplies	Fixed power supply	Fixed power supply Up to 370W of Class 4 PoE Power	Fixed power supply	Fixed power supply Up to 370W of Class 4 PoE Power	Fixed power supply Up to 740W of Class 4 PoE Power
Fans	Fixed fans				
Physical characteristics					
Dimensions	(H) 4.37 cm x (W) 44.25 cm x (D) 28.45 cm (1.72" x 17.42" x 11.2")	(H) 4.37 cm x (W) 44.25 cm x (D) 30.43 cm (1.72" x 17.42" x 11.98")	(H) 4.37 cm x (W) 44.25 cm x (D) 28.45 cm (1.72" x 17.42" x 11.2")	(H) 4.37 cm x (W) 44.25 cm x (D) 30.43 cm (1.72" x 17.42" x 11.98")	(H) 4.37 cm x (W) 44.25 cm x (D) 32.66 cm (1.72" x 17.42" x 12.86")
Configuration weight	3.77 kg (8.32 lbs)	4.39 kg (9.68 lbs)	3.90 kg (8.59 lbs)	4.87 kg (10.74 lbs)	5.13 kg (11.32 lbs)
Additional specifications					
CPU	Quad Core ARM Cortex™ A72 @ 1.8 GHz				
Memory and flash	8 GB DDR4 16 GB eMMC				
Packet buffer total (available+reserved)	8 MB (6 MB + 2 MB)				
Performance					
Model switching capacity	Up to 56 Gbps			Up to 104 Gbps	
Model throughput capacity	Up to 41.7 Mpps			Up to 77.4 Mpps	
Average latency (LIFO-64-bytes packets)	1 Gbps: 3.2µSec				
Stack size	8 members				
Max. stacking distance	Up to 10 kms with long range transceivers				
Stacking bandwidth	4 Gbps				
Switched virtual interfaces (dual stack)	256				

Specifications

	HPE Aruba Networking CX 6200F 24G 4SFP Switch (S0M81A)	HPE Aruba Networking CX 6200F 24G class 4 PoE 4SFP 370W Switch (S0M82A)	HPE Aruba Networking CX 6200F 48G 4SFP Switch (S0M83A)	HPE Aruba Networking CX 6200F 48G class 4 PoE 4SFP 370W Switch (S0M84A)	HPE Aruba Networking CX 6200F 48G class 4 PoE 4SFP 740W Switch (S0M85A)
Performance					
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			32,768		
IGMP groups			1,024		
MLD groups			1,024		
IPv4/IPv6/MAC ACL entries (ingress)			5,120/1,280/5,120		
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 ft to 10,000 ft.	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 ft to 10,000 ft.	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 ft to 10,000 ft.	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 ft to 10,000 ft.	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.
Operating relative humidity	5% to 95% @ 104°F (40°C) non-condensing	5% to 95% @ 104°F (40°C) non-condensing	5% to 95% @ 104°F (40°C) non-condensing	5% to 95% @ 104°F (40°C) non-condensing	5% to 95% @ 104°F (40°C) non-condensing
Non-operating	-40°F to 158°F (-40°C to 70°C) up to 15,000 ft	-40°F to 158°F (-40°C to 70°C) up to 15,000 ft	-40°F to 158°F (-40°C to 70°C) up to 15,000 ft	-40°F to 158°F (-40°C to 70°C) up to 15,000 ft	-40°F to 158°F (-40°C to 70°C) up to 15,000 ft
Non-operating storage relative humidity	5% to 95% @ 149°F (65°C) non-condensing	5% to 95% @ 149°F (65°C) non-condensing	5% to 95% @ 149°F (65°C) non-condensing	5% to 95% @ 149°F (65°C) non-condensing	5% to 95% @ 149°F (65°C) non-condensing
Max operating altitude	10,000 feet (3.048 km) Max	10,000 feet (3.048 km) Max	10,000 feet (3.048 km) Max	10,000 feet (3.048 km) Max	10,000 feet (3.048 km) Max
Max non-operating altitude	15,000 feet (4.6 km) Max	15,000 feet (4.6 km) Max	15,000 feet (4.6 km) Max	15,000 feet (4.6 km) Max	15,000 feet (4.6 km) Max
Acoustic	Sound Power, L_{WAd} = 5.1 Bel Sound Pressure, L_{pAm} (Bystander) = 35.1 dB	Sound Power, L_{WAd} = 5.1 Bel Sound Pressure, L_{pAm}(Bystander) = 35.5 dB	Sound Power, L_{WAd} = 5.0 Bel Sound Pressure, L_{pAm}(Bystander) = 34.7 dB	Sound Power, L_{WAd} = 5.2 Bel Sound Pressure, L_{pAm}(Bystander) = 36.8 dB	Sound Power, L_{WAd} = 5.3 Bel Sound Pressure, L_{pAm}(Bystander) = 36.5 dB
Primary Airflow	Front and side to back	Front and side to back	Front and side to back	Front and side to back	Front and side to back

Specifications

	HPE Aruba Networking CX 6200F 24G 4SFP Switch (S0M81A)	HPE Aruba Networking CX 6200F 24G class 4 PoE 4SFP 370W Switch (S0M82A)	HPE Aruba Networking CX 6200F 48G 4SFP Switch (S0M83A)	HPE Aruba Networking CX 6200F 48G class 4 PoE 4SFP 370W Switch (S0M84A)	HPE Aruba Networking CX 6200F 48G class 4 PoE 4SFP 740W Switch (S0M85A)
Electrical characteristics					
Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
AC voltage	100V–120V/200V–240V	100V–127V/200V–240V	100V–120V/200V–240V	100V–127V/200V–240V	100V–120V/200V–240V
Current	0.9A/0.6A	5.2A/2.6A	0.9A/0.6A	5.2A/2.6A	10.3A/5.0A
80plus.org certification	-	-	-	-	80 PLUS Silver
Maximum heat dissipation BTU/hr and kJ/hr	150 BTU/hr 158 kj/hr	150 BTU/hr 158 kj/hr	181 BTU/hr 191 kj/hr	194 BTU/hr 205 kj/hr	205 BTU/hr 216 kj/hr
Power consumption (230 VAC)	Idle: 29W 100% Traffic Rate: 44W	Idle: 32W 100% Traffic Rate: 44W	Idle: 33W 100% Traffic Rate: 53W	Idle: 38W 100% Traffic Rate: 57W	Idle: 42W 100% Traffic Rate: 60W
Safety					
	Europe: EN 62368-1:2014 +A11:2017 EN 62368-1:2020 +A11:2020 UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US: UL 62368-1, 3rd Ed. Canada: CAN/CSA C22.2 No. 62368-1:19, 3rd Ed. Worldwide: IEC 62368-1:2014 2nd Ed. IEC 62368-1: 2018 3rd Ed. Taiwan: CNS-15598-1:2020 China: GB 4943.1:2022	Europe: EN 62368-1:2014 +A11:2017 EN 62368-1:2020 +A11:2020 UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US: UL 62368-1, 3rd Ed. Canada: CAN/CSA C22.2 No. 62368-1:19, 3rd Ed. Worldwide: IEC 62368-1:2014 2nd Ed. IEC 62368-1: 2018 3rd Ed. Taiwan: CNS-15598-1:2020 China: GB 4943.1:2022	Europe: EN 62368-1:2014 +A11:2017 EN 62368-1:2020 +A11:2020 UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US: UL 62368-1, 3rd Ed. Canada: CAN/CSA C22.2 No. 62368-1:19, 3rd Ed. Worldwide: IEC 62368-1:2014 2nd Ed. IEC 62368-1: 2018 3rd Ed. Taiwan: CNS-15598-1:2020 China: GB 4943.1:2022	Europe: EN 62368-1:2014 +A11:2017 EN 62368-1:2020 +A11:2020 UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US: UL 62368-1, 3rd Ed. Canada: CAN/CSA C22.2 No. 62368-1:19, 3rd Ed. Worldwide: IEC 62368-1:2014 2nd Ed. IEC 62368-1: 2018 3rd Ed. Taiwan: CNS-15598-1:2020 China: GB 4943.1:2022	Europe: EN 62368-1:2014 +A11:2017 EN 62368-1:2020 +A11:2020 UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US: UL 62368-1, 3rd Ed. Canada: CAN/CSA C22.2 No. 62368-1:19, 3rd Ed. Worldwide: IEC 62368-1:2014 2nd Ed. IEC 62368-1: 2018 3rd Ed. Taiwan: CNS-15598-1:2020 China: GB 4943.1:2022

Specifications

	HPE Aruba Networking CX 6200F 24G 4SFP Switch (S0M81A)	HPE Aruba Networking CX 6200F 24G class 4 PoE 4SFP 370W Switch (S0M82A)	HPE Aruba Networking CX 6200F 48G 4SFP Switch (S0M83A)	HPE Aruba Networking CX 6200F 48G class 4 PoE 4SFP 370W Switch (S0M84A)	HPE Aruba Networking CX 6200F 48G class 4 PoE 4SFP 740W Switch (S0M85A)
Emissions					
	Europe: EN 55032:2015 +A11:2020, Class A EN 61000-3-2:2019 EN 61000-3-3:2013 US: FCC 47 CFR part 15B: Class A Canada: ICES-003 Issue 7: 2020, Class A Worldwide: VCCI-CISPR 32, Class A CISPR 32: 2016, Class A AS/NZS CISPR 32: 2015, Class A GB/T 9254.1-2021, Class A CNS 15936: 2020, Class A KS C 9832	Europe: EN 55032:2015 +A11:2020, Class A EN 61000-3-2:2019 EN 61000-3-3:2013 US: FCC 47 CFR part 15B: Class A Canada: ICES-003 Issue 7: 2020, Class A Worldwide: VCCI-CISPR 32, Class A CISPR 32: 2016, Class A AS/NZS CISPR 32: 2015, Class A GB/T 9254.1-2021, Class A CNS 15936: 2020, Class A KS C 9832	Europe: EN 55032:2015 +A11:2020, Class A EN 61000-3-2:2019 EN 61000-3-3:2013 US: FCC 47 CFR part 15B: Class A Canada: ICES-003 Issue 7: 2020, Class A Worldwide: VCCI-CISPR 32, Class A CISPR 32: 2016, Class A AS/NZS CISPR 32: 2015, Class A GB/T 9254.1-2021, Class A CNS 15936: 2020, Class A KS C 9832	Europe: EN 55032:2015 +A11:2020, Class A EN 61000-3-2:2019 EN 61000-3-3:2013 US: FCC 47 CFR part 15B: Class A Canada: ICES-003 Issue 7: 2020, Class A Worldwide: VCCI-CISPR 32, Class A CISPR 32: 2016, Class A AS/NZS CISPR 32: 2015, Class A GB/T 9254.1-2021, Class A CNS 15936: 2020, Class A KS C 9832	Europe: EN 55032:2015 +A11:2020, Class A EN 61000-3-2:2019 EN 61000-3-3:2013 US: FCC 47 CFR part 15B: Class A Canada: ICES-003 Issue 7: 2020, Class A Worldwide: VCCI-CISPR 32, Class A CISPR 32: 2016, Class A AS/NZS CISPR 32: 2015, Class A GB/T 9254.1-2021, Class A CNS 15936: 2020, Class A KS C 9832
Lasers					
	EN 60825-1:2014/IEC 60825-1:2014 Class 1 Class 1 Laser Products/Laser Klasse 1 (Applicable for accessories—Optical Transceivers only)	EN 60825-1:2014/IEC 60825-1:2014 Class 1 Class 1 Laser Products/Laser Klasse 1 (Applicable for accessories—Optical Transceivers only)	EN 60825-1:2014/IEC 60825-1:2014 Class 1 Class 1 Laser Products/Laser Klasse 1 (Applicable for accessories—Optical Transceivers only)	EN 60825-1:2014/IEC 60825-1:2014 Class 1 Class 1 Laser Products/Laser Klasse 1 (Applicable for accessories—Optical Transceivers only)	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: 2016	CISPR 35: 2016	CISPR 35: 2016	CISPR 35: 2016	CISPR 35: 2016
EN	EN 55035:2017 +A11:2020	EN 55035:2017 +A11:2020	EN 55035:2017 +A11:2020	EN 55035:2017 +A11:2020	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2	IEC 61000-4-2	IEC 61000-4-2	IEC 61000-4-2	IEC 61000-4-2
Radiated	IEC 61000-4-3	IEC 61000-4-3	IEC 61000-4-3	IEC 61000-4-3	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4	IEC 61000-4-4	IEC 61000-4-4	IEC 61000-4-4	IEC 61000-4-4
Surge	IEC 61000-4-5	IEC 61000-4-5	IEC 61000-4-5	IEC 61000-4-5	IEC 61000-4-5
Conducted	IEC 61000-4-6	IEC 61000-4-6	IEC 61000-4-6	IEC 61000-4-6	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8	IEC 61000-4-8	IEC 61000-4-8	IEC 61000-4-8	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11	IEC 61000-4-11	IEC 61000-4-11	IEC 61000-4-11	IEC 61000-4-11
Harmonics	IEC / EN 61000-3-2	IEC / EN 61000-3-2	IEC / EN 61000-3-2	IEC / EN 61000-3-2	IEC / EN 61000-3-2
Flicker	IEC / EN 61000-3-3	IEC / EN 61000-3-3	IEC / EN 61000-3-3	IEC / EN 61000-3-3	IEC / EN 61000-3-3

Specifications

	HPE Aruba Networking CX 6200F 24G 4SFP Switch (S0M81A)	HPE Aruba Networking CX 6200F 24G class 4 PoE 4SFP 370W Switch (S0M82A)	HPE Aruba Networking CX 6200F 48G 4SFP Switch (S0M83A)	HPE Aruba Networking CX 6200F 48G class 4 PoE 4SFP 370W Switch (S0M84A)	HPE Aruba Networking CX 6200F 48G class 4 PoE 4SFP 740W Switch (S0M85A)
RoHs					
	EN 63000:2018/IEC 63000:2018	EN 63000:2018/IEC 63000:2018	EN 63000:2018/IEC 63000:2018	EN 63000:2018/IEC 63000:2018	EN 63000:2018/IEC 63000:2018
Mounting and enclosure					
	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.

Specifications

	HPE Aruba Networking 6200F 12G Class4 PoE 2G/2SFP+139W Switch (R8Q72A)	HPE Aruba Networking CX 6200F 24G 4SFP+Switch (JL724B)	HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP+370W Switch (JL725B)	HPE Aruba Networking CX 6200F 48G 4SFP+Switch (JL726B)
Description	12x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 2x 100M/1G ports 2x 1G/10G SFP ports; PHY-less 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	24x ports 10/100/1000BASE-T Ports 4x 1/10G SFP ports; PHY-less 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port 1x RJ-45 Console Port	24x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 1/10G SFP ports; PHY-less Supports PoE Standards IEEE 802.3af, 802.3at 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port 1xRJ-45 Console Port	48x ports 10/100/1000BASE-T Ports 4x 1/10G SFP ports; PHY-less 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port 1x RJ-45 Console Port
Power supplies	Fixed power supply Up to 139W of Class 4 PoE Power	Fixed power supply	Fixed power supply Up to 370W of Class 4 PoE Power	Fixed power supply
Fans	Fanless	Fixed fans	Fixed fans	Fixed fans
Physical characteristics				
Dimensions	(H) 4.39 cm x (W) 25.4 cm x (D) 30.5 cm (1.73" x 10.0" x 12.0")	(H) 4.37 cm x (W) 44.25 cm x (D) 28.45 cm (1.72" x 17.42" x 11.2")	(H) 4.37 cm x (W) 44.25 cm x (D) 30.43 cm (1.72" x 17.42" x 11.98")	(H) 4.37 cm x (W) 44.25 cm x (D) 28.45 cm (1.72" x 17.42" x 11.2")
Configuration weight	3.24 kg (7.14 lbs)	3.77 kg (8.59 lbs)	4.39 kg (9.68 lbs)	3.90 kg (8.59 lbs)
Additional specifications				
CPU	Quad Core ARM Cortex™ A72 @ 1.2 GHz	Quad Core ARM Cortex™ A72 @ 1.8 GHz	Quad Core ARM Cortex™ A72 @ 1.8 GHz	Quad Core ARM Cortex™ A72 @ 1.8 GHz
Memory and flash	8 GB DDR4 16 GB eMMC	8 GB DDR4 16 GB eMMC	8 GB DDR4 16 GB eMMC	8 GB DDR4 16 GB eMMC
Packet buffer total (available+reserved)	8 MB (6 MB + 2 MB)	8 MB (6 MB + 2 MB)	8 MB (6 MB + 2 MB)	8 MB (6 MB + 2 MB)

Specifications

	HPE Aruba Networking 6200F 12G Class4 PoE 2G/2SFP+139W Switch (R8Q72A)	HPE Aruba Networking CX 6200F 24G 4SFP+Switch (JL724B)	HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP+370W Switch (JL725B)	HPE Aruba Networking CX 6200F 48G 4SFP+Switch (JL726B)
Performance				
Model switching capacity	68 Gbps	128 Gbps	128 Gbps	176 Gbps
Model throughput capacity	Up to 45.1 Mpps	Up to 95.2 Mpps	Up to 95.2 Mpps	Up to 130.9 Mpps
Average latency (LIFO-64-bytes packets)	1 Gbps: 5.9µSec 10 Gbps: 4.2µSec	1 Gbps: 3.3µSec 10 Gbps: 2.3µSec	1 Gbps: 3.3µSec 10 Gbps: 2.3µSec	1 Gbps: 3.3µSec 10 Gbps: 2.3µSec
Stack size	8 members (with other 12p 6200F switches only; No stacking support with 24/48p 6200F or 6200M switches)	8 members (with other 24/48p 6200F and 6200M switches only)	8 members (with other 24/48p 6200F and 6200M switches only)	8 members (with other 24/48p 6200F and 6200M switches only)
Max. stacking distance	Up to 10 kms with long range transceivers	Up to 10 kms with long range transceivers	Up to 10 kms with long range transceivers	Up to 10 kms with long range transceivers
Stacking bandwidth	Up to 20Gbps	Up to 40Gbps	Up to 40Gbps	Up to 40Gbps
Switched virtual interfaces (dual stack)	128	256	256	256
IPv4 host table (ARP)	8,192	8,192	8,192	8,192
IPv6 host table (ND)	8,192	8,192	8,192	8,192
IPv4 unicast routes	2,048	2,048	2,048	2,048
IPv6 unicast routes	1,024	1,024	1,024	1,024
MAC table capacity	32,768	32,768	32,768	32,768
IGMP groups	768	1,024	1,024	1,024
MLD groups	768	1,024	1,024	1,024
IPv4/IPv6/MAC ACL entries (ingress)	5,120/1,280/5,120	5,120/1,280/5,120	5,120/1,280/5,120	5,120/1,280/5,120
IPv4/IPv6/MAC ACL entries (egress)	2,048/512/2,048	2,048/512/2,048	2,048/512/2,048	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 ft to 10,000 ft.	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 ft to 10,000 ft.	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 ft to 10,000 ft.	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 ft to 10,000 ft.
Operating relative humidity	5% to 95% @ 104°F (40°C) non-condensing	5% to 95% @ 104°F (40°C) non-condensing	5% to 95% @ 104°F (40°C) non-condensing	5% to 95% @ 104°F (40°C) non-condensing
Non-operating	-40°F to 158°F (-40°C to 70°C) up to 15,000 ft	-40°F to 158°F (-40°C to 70°C) up to 15,000 ft	-40°F to 158°F (-40°C to 70°C) up to 15,000 ft	-40°F to 158°F (-40°C to 70°C) up to 15,000 ft
Non-operating storage relative humidity	5% to 95% @ 149°F (65°C) non-condensing	5% to 95% @ 149°F (65°C) non-condensing	5% to 95% @ 149°F (65°C) non-condensing	5% to 95% @ 149°F (65°C) non-condensing
Max operating altitude	10,000 feet (3.048 km) Max	10,000 feet (3.048 km) Max	10,000 feet (3.048 km) Max	10,000 feet (3.048 km) Max

Specifications

	HPE Aruba Networking 6200F 12G Class4 PoE 2G/2SFP+139W Switch (R8Q72A)	HPE Aruba Networking CX 6200F 24G 4SFP+Switch (JL724B)	HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP+370W Switch (JL725B)	HPE Aruba Networking CX 6200F 48G 4SFP+Switch (JL726B)
Environment				
Max non-operating altitude	15,000 feet (4.6 km) Max	15,000 feet (4.6 km) Max	15,000 feet (4.6 km) Max	15,000 feet (4.6 km) Max
Acoustic	Sound Power, L_{WAd} = 0 Bel Sound Pressure, L_{pAm} (Bystander) = 0 dB; Fanless	Sound Power, L_{WAd} = 5.1 Bel Sound Pressure, L_{pAm} (Bystander) = 35.1 dB	Sound Power, L_{WAd} = 5.1 Bel Sound Pressure, L_{pAm} (Bystander) = 35.5 dB	Sound Power, L_{WAd} = 5.0 Bel Sound Pressure, L_{pAm} (Bystander) = 34.7 dB
Primary airflow	-	Front and side to back	Front and side to back	Front and side to back
Electrical characteristics				
Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Ac voltage	90–264 VAC, rated	100V–120V/200V–240V, rated	100V–127V/200V–240V, rated	100V–120V/200V–240V, rated
Current	2.6A/1.3A	0.9A/0.6A	5.2A/2.6A	0.9A/0.6A
80plus.Org certification	-	-	-	-
Maximum heat dissipation BTU/hr and kj/hr	96 BTU/hr 101 kj/hr	150 BTU/hr 158 kj/hr	150 BTU/hr 158 kj/hr	181 BTU/hr 191 kj/h
Power consumption (230 VAC)	Idle: 23W 100% Traffic Rate: 28W	Idle: 29W 100% Traffic Rate: 44W	Idle: 32W 100% Traffic Rate: 44W	Idle: 33W 100% Traffic Rate: 53W
Safety				
	Europe: EN 62368-1:2014 +A11:2017 EN 62368-1:2020 +A11:2020 UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US: UL 62368-1, 3rd Ed. Canada: CAN/CSA C22.2 No. 62368-1:19, 3rd Ed. Worldwide: IEC 62368-1:2014 2nd Ed. IEC 62368-1: 2018 3rd Ed. Taiwan: CNS-15598-1:2020 China: GB 4943.1:2022	Europe: EN 62368-1:2014 +A11:2017 EN 62368-1:2020 +A11:2020 UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US: UL 62368-1, 3rd Ed. Canada: CAN/CSA C22.2 No. 62368-1:19, 3rd Ed. Worldwide: IEC 62368-1:2014 2nd Ed. IEC 62368-1: 2018 3rd Ed. Taiwan: CNS-15598-1:2020 China: GB 4943.1:2022	Europe: EN 62368-1:2014 +A11:2017 EN 62368-1:2020 +A11:2020 UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US: UL 62368-1, 3rd Ed. Canada: CAN/CSA C22.2 No. 62368-1:19, 3rd Ed. Worldwide: IEC 62368-1:2014 2nd Ed. IEC 62368-1: 2018 3rd Ed. Taiwan: CNS-15598-1:2020 China: GB 4943.1:2022	Europe: EN 62368-1:2014 +A11:2017 EN 62368-1:2020 +A11:2020 UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US: UL 62368-1, 3rd Ed. Canada: CAN/CSA C22.2 No. 62368-1:19, 3rd Ed. Worldwide: IEC 62368-1:2014 2nd Ed. IEC 62368-1: 2018 3rd Ed. Taiwan: CNS-15598-1:2020 China: GB 4943.1:2022

Specifications

	HPE Aruba Networking 6200F 12G Class4 PoE 2G/2SFP+139W Switch (R8Q72A)	HPE Aruba Networking CX 6200F 24G 4SFP+Switch (JL724B)	HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP+370W Switch (JL725B)	HPE Aruba Networking CX 6200F 48G 4SFP+Switch (JL726B)
Emissions				
	Europe: EN 55032:2015 +A11:2020, Class A EN 61000-3-2:2019 EN 61000-3-3:2013 US: FCC 47 CFR part 15B: Class A Canada: ICES-003 Issue 7: 2020, Class A Worldwide: VCCI-CISPR 32, Class A CISPR 32: 2016, Class A AS/NZS CISPR 32: 2015, Class A GB/T 9254.1-2021, Class A CNS 15936:2020, Class A KS C 9832	Europe: EN 55032:2015 +A11:2020, Class A EN 61000-3-2:2019 EN 61000-3-3:2013 US: FCC 47 CFR part 15B: Class A Canada: ICES-003 Issue 7: 2020, Class A Worldwide: VCCI-CISPR 32, Class A CISPR 32: 2016, Class A AS/NZS CISPR 32: 2015, Class A GB/T 9254.1-2021, Class A CNS 15936:2020, Class A KS C 9832	Europe: EN 55032:2015 +A11:2020, Class A EN 61000-3-2:2019 EN 61000-3-3:2013 US: FCC 47 CFR part 15B: Class A Canada: ICES-003 Issue 7: 2020, Class A Worldwide: VCCI-CISPR 32, Class A CISPR 32: 2016, Class A AS/NZS CISPR 32: 2015, Class A GB/T 9254.1-2021, Class A CNS 15936:2020, Class A KS C 9832	Europe: EN 55032:2015 +A11:2020, Class A EN 61000-3-2:2019 EN 61000-3-3:2013 US: FCC 47 CFR part 15B: Class A Canada: ICES-003 Issue 7: 2020, Class A Worldwide: VCCI-CISPR 32, Class A CISPR 32: 2016, Class A AS/NZS CISPR 32: 2015, Class A GB/T 9254.1-2021, Class A CNS 15936:2020, Class A KS C 9832
Lasers				
	EN 60825-1:2014/IEC 60825-1:2014 Class 1 Class 1 Laser Products/Laser Klasse 1 (Applicable for accessories—Optical Transceivers only)	EN 60825-1:2007/IEC 60825-1:2007 Class 1 Class 1 Laser Products/Laser Klasse 1 (Applicable for accessories—Optical Transceivers only)	EN 60825-1:2007/IEC 60825-1:2007 Class 1 Class 1 Laser Products/Laser Klasse 1 (Applicable for accessories—Optical Transceivers only)	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: 2016	CISPR 35: 2016	CISPR 35: 2016	CISPR 35: 2016
EN	EN 55035:2017 +A11:2020	EN 55035:2017 +A11:2020	EN 55035:2017 +A11:2020	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2	IEC 61000-4-2	IEC 61000-4-2	IEC 61000-4-2
Radiated	IEC 61000-4-3	IEC 61000-4-3	IEC 61000-4-3	IEC 61000-4-3
EFT/burst	IEC 61000-4-4	IEC 61000-4-4	IEC 61000-4-4	IEC 61000-4-4
Surge	IEC 61000-4-5	IEC 61000-4-5	IEC 61000-4-5	IEC 61000-4-5
Conducted	IEC 61000-4-6	IEC 61000-4-6	IEC 61000-4-6	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8	IEC 61000-4-8	IEC 61000-4-8	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11	IEC 61000-4-11	IEC 61000-4-11	IEC 61000-4-11
Harmonics	IEC 61000-3-2, EN 61000-3-2	IEC 61000-3-2, EN 61000-3-2	IEC 61000-3-2, EN 61000-3-2	IEC 61000-3-2, EN 61000-3-2
Flicker	IEC 61000-3-3, EN 61000-3-3	IEC 61000-3-3, EN 61000-3-3	IEC 61000-3-3, EN 61000-3-3	IEC 61000-3-3, EN 61000-3-3
RoHs				
	EN 63000:2018/IEC 63000:2018	EN 63000:2018/IEC 63000:2018	EN 63000:2018/IEC 63000:2018	EN 63000:2018/IEC 63000:2018

Specifications

	HPE Aruba Networking 6200F 12G Class4 PoE 2G/2SFP+139W Switch (R8Q72A)	HPE Aruba Networking CX 6200F 24G 4SFP+Switch (JL724B)	HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP+370W Switch (JL725B)	HPE Aruba Networking CX 6200F 48G 4SFP+Switch (JL726B)
Mounting and enclosure				
	Mounts in an EIA-standard 19- inch Telco rack or equipment cabinet (rack-mounting kit included); horizontal surface mounting; wall mounting Kensington Security Slot	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.

	HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP+ 370W Switch (JL727B)	HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP+ 740W Switch (JL728B)
Description	48x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 1/10G SFP ports; PHY-less Supports PoE Standards IEEE 802.3af, 802.3at 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port 1x RJ-45 Console Port	48x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 1/10G SFP ports; PHY-less Supports PoE Standards IEEE 802.3af, 802.3at 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port 1x RJ-45 Console Port
Power supplies	Fixed power supply Up to 370W of Class 4 PoE Power	Fixed power supply Up to 740W of Class 4 PoE Power
Fans	Fixed fans	Fixed fans
Physical characteristics		
Dimensions	(H) 4.37 cm x (W) 44.25 cm x (D) 30.43 cm (1.72" x 17.42" x 11.98")	(H) 4.37 cm x (W) 44.25 cm x (D) 32.66 cm (1.72" x 17.42" x 12.86")
Configuration weight	4.87 kg (10.74 lbs)	5.13 kg (11.32 lbs)
Additional specifications		
CPU	Quad Core ARM Cortex™ A72 @ 1.8 GHz	Quad Core ARM Cortex™ A72 @ 1.8 GHz
Memory and flash	8 GB DDR4 16 GB eMMC	8 GB DDR4 16 GB eMMC
Packet buffer total (available+reserved)	8 MB (6 MB + 2 MB)	8 MB (6 MB + 2 MB)
Performance		
Model switching capacity	176 Gbps	176 Gbps
Model throughput capacity	Up to 130.9 Mpps	Up to 130.9 Mpps
Average latency (LIFO-64-bytes packets)	1Gbps: 3.3µSec 10Gbps: 2.3µSec	1 Gbps: 3.3µSec 10Gbps: 2.3µSec

Specifications

	HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP+ 370W Switch (JL727B)	HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP+ 740W Switch (JL728B)
Performance		
Stack size	8 members (with other 24/48p 6200F and 6200M switches only)	8 members (with other 24/48p 6200F and 6200M switches only)
Max. Stacking distance	Up to 10 kms with long range transceivers	Up to 10 kms with long range transceivers
Stacking bandwidth	40Gbps	40Gbps
Switched virtual interfaces (dual stack)	256	256
Ipv4 host table (ARP)	8,192	8,192
Ipv6 host table (ND)	8,192	8,192
IPv4 unicast routes	2,048	2,048
IPv6 unicast routes	1,024	1,024
MAC table capacity	32,768	32,768
IGMP groups	1,024	1,024
MLD groups	1,024	1,024
IPv4/IPv6/MAC ACL entries (ingress)	5,120/1,280/5,120	5,120/1,280/5,120
IPv4/IPv6/MAC ACL entries (egress)	2,048/512/2,048	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 ft to 10,000 ft.	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 ft to 10,000 ft.
Operating relative humidity	5% to 95% @ 104°F (40°C) non-condensing	5% 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	-40°F to 158°F (-40°C to 70°C) up to 15,000 ft
Non-operating storage relative humidity	5% to 95% @ 149°F (65°C) non-condensing	5% to 95% @ 149°F (65°C) non-condensing
Max operating altitude	10,000 feet (3.048 km) Max	10,000 feet (3.048 km) Max
Max non-operating altitude	15,000 feet (4.6 km) Max	15,000 feet (4.6 km) Max
Acoustic	Sound Power, L_{WAd} = 5.2 Bel Sound Pressure, L_{pAm} (Bystander) = 36.8 dB	Sound Power, L_{WAd} = 5.3 Bel Sound Pressure, L_{pAm} (Bystander) = 36.5 dB
Primary airflow	Front and side to back	Front and side to back
Electrical characteristics		
Frequency	50Hz/60Hz	50Hz/60Hz
AC Voltage	100V–127V/200V–240V, rated	100V–120V/200V–240V, rated
Current	5.2A/2.6A	10.3A/5.0A

Specifications

	HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP+ 370W Switch (JL727B)	HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP+ 740W Switch (JL728B)
Electrical characteristics		
80plus.org certification	-	80 PLUS Gold
Maximum heat dissipation BTU/hr and kJ/hr	194 BTU/hr 205 kj/hr	205 BTU/hr 216 kj/hr
Power consumption (230 VAC)	Idle: 38W 100% Traffic Rate: 57W	Idle: 42W 100% Traffic Rate: 60W
Safety		
	Europe: EN 62368-1:2014 +A11:2017 EN 62368-1:2020 +A11:2020 UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US: UL 62368-1, 3rd Ed. Canada: CAN/CSA C22.2 No. 62368-1:19, 3rd Ed. Worldwide: IEC 62368-1:2014 2nd Ed. IEC 62368-1: 2018 3rd Ed. Taiwan: CNS-15598-1:2020 China: GB 4943.1:2022	Europe: EN 62368-1:2014 +A11:2017 EN 62368-1:2020 +A11:2020 UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US: UL 62368-1, 3rd Ed. Canada: CAN/CSA C22.2 No. 62368-1:19, 3rd Ed. Worldwide: IEC 62368-1:2014 2nd Ed. IEC 62368-1: 2018 3rd Ed. Taiwan: CNS-15598-1:2020 China: GB 4943.1:2022
Emissions		
	Europe: EN 55032:2015 +A11:2020, Class A EN 61000-3-2:2019 EN 61000-3-3:2013 US: FCC 47 CFR part 15B: Class A Canada: ICES-003 Issue 7: 2020, Class A Worldwide: VCCI-CISPR 32, Class A CISPR 32: 2016, Class A AS/NZS CISPR 32: 2015, Class A GB/T 9254.1-2021, Class A CNS 15936: 2020, Class A KS C 9832	Europe: EN 55032:2015 +A11:2020, Class A EN 61000-3-2:2019 EN 61000-3-3:2013 US: FCC 47 CFR part 15B: Class A Canada: ICES-003 Issue 7: 2020, Class A Worldwide: VCCI-CISPR 32, Class A CISPR 32: 2016, Class A AS/NZS CISPR 32: 2015, Class A GB/T 9254.1-2021, Class A CNS 15936: 2020, Class A KS C 9832

Specifications

	HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP+ 370W Switch (JL727B)	HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP+ 740W Switch (JL728B)
Lasers		
	EN 60825-1:2007 IEC 60825-1:2007 Class 1 Class 1 Laser Products/Laser Klasse 1 (Applicable for accessories—Optical Transceivers only)	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: 2016	CISPR 35: 2016
EN	EN 55035:2017 +A11:2020	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2	IEC 61000-4-2
Radiated	IEC 61000-4-3	IEC 61000-4-3
EFT/burst	IEC 61000-4-4	IEC 61000-4-4
Surge	IEC 61000-4-5	IEC 61000-4-5
Conducted	IEC 61000-4-6	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11	IEC 61000-4-11
Harmonics	IEC 61000-3-2, EN 61000-3-2	IEC 61000-3-2, EN 61000-3-2
Flicker	IEC 61000-3-3, EN 61000-3-3	IEC 61000-3-3, EN 61000-3-3
RoHs		
	EN 63000:2018/IEC 63000:2018	EN 63000:2018/IEC 63000:2018
Mounting and enclosure		
	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2- post rack kit included.	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2- post rack kit included.

	HPE Aruba Networking 6200M 24G 4SFP+Switch (R8Q67A)	HPE Aruba Networking 6200M 24G Class4 PoE 4SFP+Switch (R8Q68A)	HPE Aruba Networking 6200M 48G 4SFP+Switch (R8Q69A)
Description	24x ports 10/100/1000BASE-T Ports 4x 100M/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	24x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 100M/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	48x ports 10/100/1000BASE-T Ports 4x 100M/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

Specifications

	HPE Aruba Networking 6200M 24G 4SFP+Switch (R8Q67A)	HPE Aruba Networking 6200M 24G Class4 PoE 4SFP+Switch (R8Q68A)	HPE Aruba Networking 6200M 48G 4SFP+Switch (R8Q69A)
Power supplies	2 field-replaceable, hot-swappable power supply slots 1 minimum power supply required (ordered separately) Supports JL085A PSU	2 field-replaceable, hot-swappable power supply slots 1 minimum power supply required (ordered separately) Supported PSUs JL086A JL087A Max PoE Power: 740W	2 field-replaceable, hot-swappable 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. • Minimum 1 fan tray required. Optional second fan tray ordered separately. • Fan trays are field replaceable and hot-swappable. • Each fan tray contains two fans.	Switch has two fan tray slots; Switch includes one fan tray. • Minimum 1 fan tray required. Optional second fan tray ordered separately. • Fan trays are field replaceable and hot-swappable. • Each fan tray contains two fans.	Switch has two fan tray slots; Switch includes one fan tray. • Minimum 1 fan tray required. Optional second fan tray ordered separately. • Fan trays are field replaceable and hot-swappable. • 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")	(H) 4.4 cm x (W) 44.2 cm x (D) 38.5 cm (1.73" x 17.4" x 15.2")	(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)	5.83 kg (12.85 lbs)	5.73 kg (12.63 lbs)
Additional specifications			
CPU	Quad Core ARM Cortex™ A72 @ 1.8 GHz	Quad Core ARM Cortex™ A72 @ 1.8 GHz	Quad Core ARM Cortex™ A72 @ 1.8 GHz
Memory and flash	8 GB DDR4 16 GB eMMC	8 GB DDR4 16 GB eMMC	8 GB DDR4 16 GB eMMC
Packet buffer total (available+reserved)	8 MB (6 MB + 2 MB)	8 MB (6 MB + 2 MB)	8 MB (6 MB + 2 MB)
Performance			
Model switching capacity	128 Gbps	128 Gbps	176 Gbps
Model throughput capacity	Up to 95.2 Mpps	Up to 95.2 Mpps	Up to 130.9 Mpps
Average latency (LIFO-64-bytes packets)	1 Gbps: 3.6µSec 10 Gbps: 2.9µSec	1 Gbps: 3.6µSec 10 Gbps: 2.9µSec	1 Gbps: 3.6µSec 10 Gbps: 2.9µSec
Stack size	8 members (with other 24/48p 6200F and 6200M switches only)	8 members (with other 24/48p 6200F and 6200M switches only)	8 members (with other 24/48p 6200F and 6200M switches only)
Max. stacking distance	Up to 10 kms with long range transceivers	Up to 10 kms with long range transceivers	Up to 10 kms with long range transceivers
Stacking bandwidth	40 Gbps	40 Gbps	40 Gbps
Switched virtual interfaces (dual stack)	256	256	256
IPv4 host table (ARP)	8,192	8,192	8,192
IPv6 host table (ND)	8,192	8,192	8,192

Specifications

	HPE Aruba Networking 6200M 24G 4SFP+Switch (R8Q67A)	HPE Aruba Networking 6200M 24G Class4 PoE 4SFP+Switch (R8Q68A)	HPE Aruba Networking 6200M 48G 4SFP+Switch (R8Q69A)
Performance			
IPv4 unicast routes	2,048	2,048	2,048
IPv6 unicast routes	1,024	1,024	1,024
MAC table capacity	32,768	32,768	32,768
IGMP groups	768	768	768
MLD groups	768	768	768
IPv4/IPv6/MAC ACL entries (ingress)	5,120/1,280/5,120	5,120/1,280/5,120	5,120/1,280/5,120
IPv4/IPv6/MAC ACL entries (egress)	2,048/512/2,048	2,048/512/2,048	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 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.	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.	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	5% to 95% @ 104°F (40°C) non-condensing	5% to 95% @ 104°F (40°C) non-condensing	5% to 95% @ 104°F (40°C) non-condensing
Non-operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft	-40°F to 158°F (-40°C to 70°C) up to 15000 ft	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-operating storage relative humidity	5% to 95% @ 149°F (65°C) non-condensing	5% to 95% @ 149°F (65°C) non-condensing	5% to 95% @ 149°F (65°C) non-condensing
Max operating altitude	10,000 feet (3.048 km) Max	10,000 feet (3.048 km) Max	10,000 feet (3.048 km) Max
Max non-operating altitude	15,000 feet (4.6 km) Max	15,000 feet (4.6 km) Max	15,000 feet (4.6 km) Max
Acoustic	Sound Power, L_{WAd} = 4.5 Bel Sound Pressure, L_{pAm} (Bystander) = 29.1 dB	Sound Power, L_{WAd} = 5.0 Bel Sound Pressure, L_{pAm} (Bystander) = 33.8 dB	Sound Power, L_{WAd} = 4.5 Bel Sound Pressure, L_{pAm} (Bystander) = 29.4 dB
Primary airflow	Front and side to back	Front and side to back	Front and side to back
Electrical characteristics			
Frequency	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
AC Voltage	JL085A PSU: 100V–240V	JL086A PSU: 100V–240V JL087A PSU: 110V–240V	JL085A PSU: 100V–240V
Current	JL085A PSU: 3A/1.2A	JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A	JL085A PSU: 3A/1.2A
80plus.org certification	JL085A PSU: 80plus Gold	JL086A PSU: Gold JL087A PSU: Platinum	JL085A PSU: 80plus Gold
Maximum heat dissipation BTU/hr and kj/hr info needed	164 BTU/hr 173 kj/hr	208 BTU/hr 220 kj/hr	205 BTU/hr 216 kj/hr

Specifications

	HPE Aruba Networking 6200M 24G 4SFP+Switch (R8Q67A)	HPE Aruba Networking 6200M 24G Class4 PoE 4SFP+Switch (R8Q68A)	HPE Aruba Networking 6200M 48G 4SFP+Switch (R8Q69A)
Electrical characteristics			
Power consumption (230 VAC)	With JL085A PSU: Idle: 37W 100% Traffic Rate: 48W	With JL086A PSU Idle: 48W 100% Traffic Rate: 61W With JL087A PSU Idle: 46W 100% Traffic Rate: 59W	With JL085A PSU: Idle: 41W 100% Traffic Rate: 60W
Safety			
	Europe: EN 62368-1:2014 +A11:2017 EN 62368-1:2020 +A11:2020 UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US: UL 62368-1, 3rd Ed. Canada: CAN/CSA C22.2 No. 62368-1:19, 3rd Ed. Worldwide: IEC 62368-1:2014 2nd Ed. IEC 62368-1: 2018 3rd Ed. Taiwan: CNS-15598-1:2020 China: GB 4943.1:2022	Europe: EN 62368-1:2014 +A11:2017 EN 62368-1:2020 +A11:2020 UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US: UL 62368-1, 3rd Ed. Canada: CAN/CSA C22.2 No. 62368-1:19, 3rd Ed. Worldwide: IEC 62368-1:2014 2nd Ed. IEC 62368-1: 2018 3rd Ed. Taiwan: CNS-15598-1:2020 China: GB 4943.1:2022	Europe: EN 62368-1:2014 +A11:2017 EN 62368-1:2020 +A11:2020 UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US: UL 62368-1, 3rd Ed. Canada: CAN/CSA C22.2 No. 62368-1:19, 3rd Ed. Worldwide: IEC 62368-1:2014 2nd Ed. IEC 62368-1: 2018 3rd Ed. Taiwan: CNS-15598-1:2020 China: GB 4943.1:2022
Emissions			
	Europe: EN 55032:2015 +A11:2020, Class A EN 61000-3-2:2019 EN 61000-3-3:2013 US: FCC 47 CFR part 15B: Class A Canada: ICES-003 Issue 7: 2020, Class A Worldwide: VCCI-CISPR 32, Class A CISPR 32: 2016, Class A AS/NZS CISPR 32: 2015, Class A GB/T 9254.1-2021, Class A CNS 15936: 2020, Class A KS C 9832	Europe: EN 55032:2015 +A11:2020, Class A EN 61000-3-2:2019 EN 61000-3-3:2013 US: FCC 47 CFR part 15B: Class A Canada: ICES-003 Issue 7: 2020, Class A Worldwide: VCCI-CISPR 32, Class A CISPR 32: 2016, Class A AS/NZS CISPR 32: 2015, Class A GB/T 9254.1-2021, Class A CNS 15936: 2020, Class A KS C 9832	Europe: EN 55032:2015 +A11:2020, Class A EN 61000-3-2:2019 EN 61000-3-3:2013 US: FCC 47 CFR part 15B: Class A Canada: ICES-003 Issue 7: 2020, Class A Worldwide: VCCI-CISPR 32, Class A CISPR 32: 2016, Class A AS/NZS CISPR 32: 2015, Class A GB/T 9254.1-2021, Class A CNS 15936: 2020, Class A KS C 9832

Specifications

	HPE Aruba Networking 6200M 24G 4SFP+Switch (R8Q67A)	HPE Aruba Networking 6200M 24G Class4 PoE 4SFP+Switch (R8Q68A)	HPE Aruba Networking 6200M 48G 4SFP+Switch (R8Q69A)
Lasers			
	EN 60825-1:2014/IEC 60825-1:2014 Class 1 Class 1 Laser Products/Laser Klasse 1(Applicable for accessories—Optical Transceivers only)	EN 60825-1:2014/IEC 60825-1:2014 Class 1 Class 1 Laser Products/Laser Klasse 1 (Applicable for accessories—Optical Transceivers only)	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: 2016	CISPR 35: 2016	CISPR 35: 2016
EN	EN 55035:2017 +A11:2020	EN 55035:2017 +A11:2020	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2	IEC 61000-4-2	IEC 61000-4-2
Radiated	IEC 61000-4-3	IEC 61000-4-3	IEC 61000-4-3
EFT/burst	IEC 61000-4-4	IEC 61000-4-4	IEC 61000-4-4
Surge	IEC 61000-4-5	IEC 61000-4-5	IEC 61000-4-5
Conducted	IEC 61000-4-6	IEC 61000-4-6	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8	IEC 61000-4-8	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11	IEC 61000-4-11	IEC 61000-4-11
Harmonics	IEC 61000-3-2, EN 61000-3-2	IEC 61000-3-2, EN 61000-3-2	IEC 61000-3-2, EN 61000-3-2
Flicker	IEC 61000-3-3, EN 61000-3-3	IEC 61000-3-3, EN 61000-3-3	IEC 61000-3-3, EN 61000-3-3
RoHs			
	EN 63000:2018/IEC 63000:2018	EN 63000:2018/IEC 63000:2018	EN 63000:2018/IEC 63000:2018
Mounting and enclosure			
	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.

Specifications

	HPE Aruba Networking 6200M 48G Class4 PoE 4SFP+ Switch (R8Q70A)	HPE Aruba Networking 6200M 36G 12SR5 Class6 PoE 4SFP+ Switch (R8Q71A)
Description	48x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 100M/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	36x ports 10/100/1000BASE-T Class 6 PoE Ports, supporting up to 60W per port 12x ports SmartRate 100M/1G/2.5G/5G BaseT Class 6 PoE ports supporting up to 60W per port 4x 100M/1G/10G SFP ports (2x LRM; 2x LRM/MACsec 256) Supports PoE Standards IEEE 802.3af, 802.3at, 802.3bt (up to 60W) 1x RJ-45 Console Port 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port
Power supplies	2 field-replaceable, hot-swappable power supply slots 1 minimum power supply required (ordered separately) Supported PSUs JL086A JL087A Max PoE Power: 1440W	2 field-replaceable, hot-swappable 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 tray. Minimum 1 fan tray required. Optional second fan tray ordered separately. Fan trays are field replaceable and hot-swappable. Each fan tray contains two fans.	Switch has two fan tray slots; Switch includes one fan tray. Minimum 1 fan tray required. Optional second fan tray ordered separately. Fan trays are field replaceable and hot-swappable. 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")	(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)	6.31 kg (13.91 lbs)
Additional specifications		
CPU	Quad Core ARM Cortex™ A72 @ 1.8 GHz	Quad Core ARM Cortex™ A72 @ 1.8 GHz
Memory and flash	8 GB DDR4 16 GB eMMC	8 GB DDR4 16 GB eMMC
Packet buffer total (available+reserved)	8 MB (6 MB + 2 MB)	8 MB (6 MB + 2 MB)
Performance		
Model switching capacity	176 Gbps	272 Gbps
Model throughput capacity	Up to 130.9 Mpps	Up to 202 Mpps
Average latency (LIFO-64-bytes packets)	1 Gbps: 3.6µSec 10 Gbps: 2.9µSec	1 Gbps: 3.6µSec 10 Gbps: 2.9µSec

Specifications

	HPE Aruba Networking 6200M 48G Class4 PoE 4SFP+ Switch (R8Q70A)	HPE Aruba Networking 6200M 36G 12SR5 Class6 PoE 4SFP+ Switch (R8Q71A)
Performance		
Stack size	8 members (with other 24/48p 6200F and 6200M switches only	8 members (with other 24/48p 6200F and 6200M switches only
Max. stacking distance	Up to 10 kms with long range transceivers	Up to 10 kms with long range transceivers
Stacking bandwidth	40 Gbps	40 Gbps
Switched virtual interfaces (dual stack)	256	256
IPv4 host table (ARP)	8,192	8,192
IPv6 host table (ND)	8,192	8,192
IPv4 unicast routes	2,048	2,048
IPv6 unicast routes	1,024	1,024
MAC table capacity	32,768	32,768
IGMP groups	768	768
MLD groups	768	768
IPv4/IPv6/MAC ACL entries (ingress)	5,120/1,280/5,120	5,120/12,80/5,120
IPv4/IPv6/MAC ACL entries (egress)	2,048/512/2,048	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 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.	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	5% to 95% @ 104°F (40°C) non-condensing	5% to 95% @ 104°F (40°C) non-condensing
Non-operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-operating storage relative humidity	5% to 95% @ 149°F (65°C) non-condensing	5% to 95% @ 149°F (65°C) non-condensing
Max operating altitude	10,000 feet (3.048 km) Max	10,000 feet (3.048 km) Max
Max non-operating altitude	15,000 feet (4.6 km) Max	15,000 feet (4.6 km) Max
Acoustic	Sound Power, L_{WAd} = 5.0 Bel Sound Pressure, L_{pAm} (Bystander) = 34.0 dB	Sound Power, L_{WAd} = 4.9 Bel Sound Pressure, L_{pAm} (Bystander) = 33.0 dB
Primary airflow	Front and side to back	Front and side to back
Electrical characteristics		
Frequency	50Hz/60Hz	50Hz/60Hz
AC Voltage	JL086A PSU: 100V–240V JL087A PSU: 110V–240V	JL086A PSU: 100V–240V JL087A PSU: 110V–240V

Specifications

	HPE Aruba Networking 6200M 48G Class4 PoE 4SFP+ Switch (R8Q70A)	HPE Aruba Networking 6200M 36G 12SR5 Class6 PoE 4SFP+ Switch (R8Q71A)
Electrical characteristics		
Current	JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A	JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A
80plus.org certification	JL086A PSU: Gold JL087A PSU: Platinum	JL086A PSU: Gold JL087A PSU: Platinum
Maximum heat dissipation BTU/hr and kj/hr info needed	249 BTU/hr 263 kj/hr	328 BTU/hr 346 kj/hr
Power consumption (230 VAC)	With JL086A PSU Idle: 55W 100% Traffic Rate: 73W With JL087A PSU Idle: 53W 100% Traffic Rate: 73W	With JL086A PSU Idle: 64W 100% Traffic Rate: 96W With JL087A PSU Idle: 63W 100% Traffic Rate: 94W
Safety		
	Europe: EN 62368-1:2014 +A11:2017 EN 62368-1:2020 +A11:2020 UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US: UL 62368-1, 3rd Ed. Canada: CAN/CSA C22.2 No. 62368-1:19, 3rd Ed. Worldwide: IEC 62368-1:2014 2nd Ed. IEC 62368-1: 2018 3rd Ed. Taiwan: CNS-15598-1:2020 China: GB 4943.1:2022	Europe: EN 62368-1:2014 +A11:2017 EN 62368-1:2020 +A11:2020 UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US: UL 62368-1, 3rd Ed. Canada: CAN/CSA C22.2 No. 62368-1:19, 3rd Ed. Worldwide: IEC 62368-1:2014 2nd Ed. IEC 62368-1: 2018 3rd Ed. Taiwan: CNS-15598-1:2020 China: GB 4943.1:2022

Specifications

	HPE Aruba Networking 6200M 48G Class4 PoE 4SFP+ Switch (R8Q70A)	HPE Aruba Networking 6200M 36G 12SR5 Class6 PoE 4SFP+ Switch (R8Q71A)
Emissions		
	Europe: EN 55032:2015 +A11:2020, Class A EN 61000-3-2:2019 EN 61000-3-3:2013 US: FCC 47 CFR part 15B: Class A Canada: ICES-003 Issue 7: 2020, Class A Worldwide: VCCI-CISPR 32, Class A CISPR 32: 2016, Class A AS/NZS CISPR 32: 2015, Class A GB/T 9254.1-2021, Class A CNS 15936: 2020, Class A KS C 9832	Europe: EN 55032:2015 +A11:2020, Class A EN 61000-3-2:2019 EN 61000-3-3:2013 US: FCC 47 CFR part 15B: Class A Canada: ICES-003 Issue 7: 2020, Class A Worldwide: VCCI-CISPR 32, Class A CISPR 32: 2016, Class A AS/NZS CISPR 32: 2015, Class A GB/T 9254.1-2021, Class A CNS 15936: 2020, Class A KS C 9832
Lasers		
	EN 60825-1:2014/IEC 60825-1:2014 Class 1 Class 1 Laser Products/Laser Klasse 1 (Applicable for accessories—Optical Transceivers only)	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: 2016	CISPR 35: 2016
EN	EN 55035:2017 +A11:2020	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2	IEC 61000-4-2
Radiated	IEC 61000-4-3	IEC 61000-4-3
EFT/burst	IEC 61000-4-4	IEC 61000-4-4
Surge	IEC 61000-4-5	IEC 61000-4-5
Conducted	IEC 61000-4-6	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11	IEC 61000-4-11
Harmonics	IEC 61000-3-2, EN 61000-3-2	IEC 61000-3-2, EN 61000-3-2
Flicker	IEC 61000-3-3, EN 61000-3-3	IEC 61000-3-3, EN 61000-3-3
RoHs		
	EN 63000:2018/IEC 63000:2018	EN 63000:2018/IEC 63000:2018
Mounting and enclosure		
	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.

Standards and protocols

- ANSI/TIA-1057 LLDP Media Endpoint Discovery (LLDP-MED)
- SNMP RFC3411-3418
- IEEE 802.1AE MACsec
- 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 802.3bz 2.5 Gbps and 5 Gbps interfaces
- 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 2461 Neighbor Discovery for IPv6
- RFC 2462 IPv6 Stateless Address Autoconfiguration
- RFC 2463 ICMPv6 for IPv6
- RFC 2464 Transmission of IPv6 over Ethernet Networks
- RFC 2576 (Coexistence between SNMP V1, V2, V3)
- RFC 2579 (SMIv2 Text Conventions)
- RFC 2580 (SMIv2 Conformance)
- RFC 2710 Multicast Listener Discovery (MLD) for IPv6
- RFC 2711 IPv6 Router Alert Option
- RFC 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 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 3596 DNS Extensions to Support IPv6
- 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 4552 Authentication/Confidentiality for OSPFv3
- RFC 4601 PIM Sparse Mode
- RFC 4607 Source-Specific Multicast for IP
- 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
- 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

HPE Aruba Networking CX 6200 switches and accessories

Switch models

- HPE Aruba Networking CX 6200F 24G 4SFP TAA-compliant Switch (S0G13A)
- HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP 370W TAA-compliant Switch (S0G14A)
- HPE Aruba Networking CX 6200F 48G 4SFP TAA-compliant Switch (S0G15A)
- HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP 370W TAA-compliant Switch (S0G16A)
- HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP 740W TAA-compliant Switch (S0G17A)
- HPE Aruba Networking CX 6200F 24G 4SFP Switch (S0M81A)

- HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP 370W Switch (S0M82A)
- HPE Aruba Networking CX 6200F 48G 4SFP Switch (S0M83A)
- HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP 370W Switch (S0M84A)
- HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP 740W Switch (S0M85A)
- HPE Aruba Networking CX 6200F 24G 4SFP+ TAA-compliant Switch (S0M86A)
- HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP+ 370W TAA-compliant Switch (S0M87A)
- HPE Aruba Networking CX 6200F 48G 4SFP+ TAA-compliant Switch (S0M88A)
- HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP+ 370W TAA-compliant Switch (S0M89A)
- HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP+ 740W TAA-compliant Switch (S0M90A)
- HPE Aruba Networking CX 6200F 24G 4SFP+ Switch (JL724B)
- HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP+ 370W Switch (JL725B)
- HPE Aruba Networking CX 6200F 48G 4SFP+ Switch (JL726B)
- HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP+ 370W Switch (JL727B)
- HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP+ 740W Switch (JL728B)
- HPE Aruba Networking 6200F 12G Class4 PoE 2G/2SFP+ 139W Switch (R8Q72A)
- HPE Aruba Networking 6200M 36G 12SR5 Class6 PoE 4SFP+ Switch (R8Q71A)
- HPE Aruba Networking 6200M 48G Class4 PoE 4SFP+ Switch (R8Q70A)
- HPE Aruba Networking 6200M 48G 4SFP+ Switch (R8Q69A)
- HPE Aruba Networking 6200M 24G Class4 PoE 4SFP+ Switch (R8Q68A)
- HPE Aruba Networking 6200M 24G 4SFP+ Switch (R8Q67A)
- HPE Aruba Networking 6200M 36G 12SR5 Class6 PoE 4SFP+ TAA Switch (R8V12A)
- HPE Aruba Networking 6200M 48G Class4 PoE 4SFP+ TAA Switch (R8V11A)
- HPE Aruba Networking 6200M 48G 4SFP+ TAA Switch (R8V10A)
- HPE Aruba Networking 6200M 24G Class4 PoE 4SFP+ TAA Switch (R8V09A)
- HPE Aruba Networking 6200M 24G 4SFP+ TAA Switch (R8V08A)
- HPE Aruba Networking 6200F 12G Class4 PoE 2G/2SFP+ 139W TAA Switch (R8V13A)

Accessories

- HPE Aruba Networking X751 Port to Power Fan Tray (JL669B)
- HPE X410 1U Universal 4-post Rack Mount Kit (J9583A)
- HPE Aruba Networking X414 1U Universal 4-post Rack Mounting Kit (J9583B)
- HPE Aruba Networking 6200F 12-port Cable Guard (R8Q73A)
- HPE Aruba Networking USB-A to RJ45 PC-to-Switch Cable (R9G48B)
- HPE Aruba Networking USB-A to RJ45 PIN3TX-6RX Cable (R8Z87A)
- HPE Aruba Networking USB-A to USB-C PC-to-Switch Cable (R9J32A)
- HPE Aruba Networking USB-C to USB-C PC-to-Switch Cable (R9J33A)
- HPE Aruba Networking X2C2 RJ45 to DB9 Console Cable (JL448A)
- HPE Aruba Networking CX Switch Bluetooth Adapter (S1H23A)

Cables

- HPE Aruba Networking 10G SFP+ to SFP+ 1m Direct Attach Copper Cable (J9281D)
- HPE Aruba Networking 10G SFP+ to SFP+ 3m Direct Attach Copper Cable (J9283D)

Transceivers

- HPE Aruba Networking 1G SFP LC SX 500m MMF Transceiver (J4858D)
- HPE Aruba Networking 1G SFP LC LX 10km SMF Transceiver (J4859D)
- HPE Aruba Networking 1G SFP LC LH 70km SMF Transceiver (J4860D)
- HPE Aruba Networking 1G SFP RJ45 T 100m Cat5e Transceiver (J8177D)
- HPE Aruba Networking 10G SFP+ LC SR 300m MMF Transceiver (J9150D)

- HPE Aruba Networking 10G SFP+ LC LR 10km SMF Transceiver (J9151E)
- HPE Aruba Networking 10G SFP+ LC ER 40km SMF Transceiver (J9153D)
- HPE Aruba Networking 10GBASE-T SFP+ RJ45 30m Transceiver (JL563C)
- HPE ANW 10G SR SFP+ LC 400m OM4 C-XCVR (S2P30A)
- HPE ANW 10G LR SFP+ LC 10km SMF C-XCVR (S2P31A)
- HPE ANW 10G ER SFP+ LC 40km SMF C-XCVR (S2P32A)
- HPE Aruba Networking 10G SFP+ LC LRM 220m MMF Transceiver (J9152D)[1]
- HPE Aruba Networking 10G LC BiDi 40km-D 1330/1270 XCVR (R9X54A)
- HPE Aruba Networking 10G LC BiDi 40km-U 1270/1330 XCVR (R9X55A)

Power supplies for CX 6200M switches

- HPE Aruba Networking X371 12VDC 250W 100–240VAC Power Supply (JL085A)
- HPE Aruba Networking X372 54VDC 680W 100–240VAC Power Supply (JL086A)
- HPE Aruba Networking X372 54VDC 1050W 110–240VAC Power Supply (JL087A)

Software

- HPE Aruba Networking CX Mobile App
- HPE Aruba Networking NetEdit Single Node: 1 year (JL639AAE)
- HPE Aruba Networking NetEdit Single Node: 3 years (JL640AAE)

HPE Aruba Networking Central Foundational licenses

- HPE Aruba Networking Central Switch 6200/29xx Foundation 1-Year Subscription E-STU (Q9Y73AAE)
- HPE Aruba Networking Central Switch 6200/29xx Foundation 3-Year Subscription E-STU (Q9Y74AAE)
- HPE Aruba Networking Central Switch 6200/29xx Foundation 5-Year Subscription E-STU (Q9Y75AAE)
- HPE Aruba Networking Central Switch 6200/29xx Foundation 7-Year Subscription E-STU (Q9Y76AAE)
- HPE Aruba Networking Central Switch 6200/29xx Foundation 10-Year Subscription E-STU (Q9Y77AAE)
- HPE Aruba Networking Central On-Premises 62xx or 29xx Switch Foundation 1-Year Subscription E-STU (R6U78AAE)
- HPE Aruba Networking Central On-Premises 62xx or 29xx Switch Foundation 3-Year Subscription E-STU (R6U79AAE)
- HPE Aruba Networking Central On-Premises 62xx or 29xx Switch Foundation 5-Year Subscription E-STU (R6U80AAE)
- HPE Aruba Networking Central On-Premises 62xx or 29xx Switch Foundation 7-Year Subscription E-STU (R6U81AAE)
- HPE Aruba Networking Central On-Premises 62xx or 29xx Switch Foundation 10-Year Subscription E-STU (R6U82AAE)
- HPE Aruba Networking Central 25xx/6100/8 to 12 port Switch Foundation 1-Year Subscription E-STU (Q9Y68AAE)
- HPE Aruba Networking Central 25xx/6100/8 to 12 port Switch Foundation 3-Year Subscription E-STU (Q9Y69AAE)
- HPE Aruba Networking Central 25xx/6100/8 to 12 port Switch Foundation 5-Year Subscription E-STU (Q9Y70AAE)
- HPE Aruba Networking Central 25xx/6100/8 to 12 port Switch Foundation 7-Year Subscription E-STU (Q9Y71AAE)
- HPE Aruba Networking Central 25xx/6100/8 to 12 port Switch Foundation 10-Year Subscription E-STU (Q9Y72AAE)
- HPE Aruba Networking Central On-Premises 25xx/6100/8 to 12 port Switch Foundation 1-Year Subscription E-STU (R6U73AAE)
- HPE Aruba Networking Central On-Premises 25xx/6100/8 to 12 port Switch Foundation 3-Year Subscription E-STU (R6U74AAE)
- HPE Aruba Networking Central On-Premises 25xx/6100/8 to 12 port Switch Foundation 5-Year Subscription E-STU (R6U75AAE)
- HPE Aruba Networking Central On-Premises 25xx/6100/8 to 12 port Switch Foundation 7-Year Subscription E-STU (R6U76AAE)
- HPE Aruba Networking Central On-Premises 25xx/6100/8 to 12 port Switch Foundation 10-Year Subscription E-STU (R6U77AAE)

For details and complete listing of HPE Aruba Networking Central licensing options, please refer to the HPE Aruba Networking Central Data Sheet.

[2] J9152D transceiver natively supported only for CX 6200M models

Support

- JL724A: 4 Hour Onsite 3 Year (HR0J5E)
- JL725A: 4 Hour Onsite 3 Year (HR0X6E)
- JL726A: 4 Hour Onsite 3 Year (HR0J5E)
- JL727A: 4 Hour Onsite 3 Year (HL2D2E)
- JL728A: 4 Hour Onsite 3 Year (HL2M7E)

For HPE Aruba Networking Central hardware only support, 24x7 TAC support, and many other support options, go to Support Services Central SKU lookup tool.

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