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HPE Aruba Networking CX 6200 Switch Series QuickSpecs

The HPE Aruba Networking CX 6200 Switch Series is a next-generation family of stackable access switches ideal for enterprise branch offices, campuses, and SMB networks.

Created for game-changing operational efficiency with built-in analytics and automation, the CX 6200 Switch Series switches provide an enterprise-class access layer solution that's simple and secure.

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

Overview

A powerful Gen7 ASIC architecture delivers reliable performance and enterprise-class feature support with flexible programmability for tomorrow's applications. The CX 6200 Switch Series is designed for simple deployment using the intuitive HPE Aruba Networking CX Mobile App that speeds install, configuration and stacking of up to 8 switches. The HPE Aruba Networking CX 6200 Switch Series includes fixed (CX 6200F) and modular (CX 6200M) switches with built-in high-speed uplinks and 740W to 1440W of PoE to power IoT devices and the latest Wi-Fi 7 access points and beyond. Flexible, modular switches offer enhanced resiliency and redundancy with hot-swappable power supplies and fans.

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

HPE Aruba Networking CX 6200 Switch Series

Overview

Key Features

- Enterprise-class connectivity with support for ACLs, robust QoS and common protocols such as static and Access OSPF routing
- Scalability with 8-member switch VSF stacking 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) 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 Network Analytics Engine
- Manage via single pane of glass with HPE Aruba Central across wired, wireless, and WAN
- Simple, one touch deployment with the CX Mobile App
- Automated configuration and verification with HPE Aruba Networking CX Multi-Edit software
- Secure and simple access for users and IoT with Dynamic Segmentation
- Deep visibility and application recognition with CX Edge Insights, including granular data point collection with search, sort and reporting

Standard Features

Product benefits

The HPE Aruba Networking CX 6200 Switch Series is based on HPE Aruba Networking CX Switch Operating System, a modern, cloud-native, microservices-based network architecture that automates and simplifies critical tasks and complex workflows for the network operator. It delivers simplified IT operations with faster meantime to resolution, high availability, and end-to-end security.

- Easy access to all network state information allows unique visibility and analytics
- REST APIs and Python scripting for fine-grained programmability of network tasks
- A micro-services architecture that enables full integration with other workflow systems and services
- Continuous telemetry data with WebSocket subscriptions for event driven automation
- Continual state synchronization that provides superior fault tolerance and high availability
- All software processes communicate with the database rather than each other, ensuring near real-time state and resiliency and allowing individual software modules to be independently upgraded for higher availability.

In addition to the native features available in HPE Aruba Networking CX Switch Operating System, we offer an optional, term-based HPE Aruba Networking CX Advanced Feature Pack that unlocks visibility and advanced security use cases. For more information, read the HPE Aruba Networking CX Switch Operating System data sheet.

HPE Aruba Central - Unified Single Pane of Glass Management

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

HPE Aruba Networking Network Analytics Engine

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

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

HPE Aruba Networking Multi-edit

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

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

Notes: A separate software license is required to use Multi-Edit.

Standard Features

HPE Aruba Networking CX Mobile App – Unparalleled Deployment Convenience

An easy-to-use mobile app simplifies connecting and managing CX 6200 Switch Series for any size project. Switch information can also be imported into Multi-Edit 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 CX 6200 Switch Series 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.

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 onboarding of clients, including IoT devices, onto the network.

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.

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.

Standard Features

Mobility and IoT Performance

The 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 202Mpps 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 Virtual Switching Framework (VSF) allows you to quickly grow your network using high performance front plane stacking. Additional features include:

- Support for up to 8 switches (or members) in a stack via chain or ring topology
- Flexibility to create stacks that span longer distances such as hundreds of meters across campuses to kilometers between sites using long-range 10GbE transceivers
- Flexibility to mix 24 and 48-port modular and fixed CX 6200 models within a single stack to meet your deployment requirements
- Simplified configuration and management as the switches act as a single chassis when stacked
- The CX Mobile App provides support for a validated stack deployment that ensure that all stack links and uplinks are connected properly

Application visibility and Application-based policies

Application visibility and Application-based policy (ABP) are supported on CX 6200 platforms. Application Visibility is part of the native AOS-CX feature set on supported platforms. Application-based policy (permit/deny traffic and DSCP/Local Priority Remark and Mirror Actions only) requires CX Advanced Feature Pack on supported platforms.

HPE Aruba Networking CX 6200 Switch Series - Enterprise-Class Connectivity for all Environments

Whether in the branch office or a small to large enterprise environment, you can choose from eleven fixed 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.

Standard Features

- Industry standard IEEE 802.3bt High Power PoE support (Class 6) provides up to 60W to support of the latest IoT devices and APs. PoE support for IEEE 802.3at Power over Ethernet (PoE+) provides up to 30W per port as well as any IEEE 802.3af-compliant end device
- Support for pre-standard PoE detects and provides power to pre-standard PoE devices
- High availability with always-on PoE that supplies PoE power even during scheduled reboots and firmware upgrades
- Quick PoE supplies PoE power to powered devices as soon as the switch is plugged into AC power so device can initialize at same time as switch OS boots up
- Support for Energy Efficient Ethernet IEEE 802.3az reduces power consumption during periods of low traffic
- Auto-MDIX provides automatic adjustments for 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.
  Notes: There is no warranty nor support for the transceiver/cable when this feature is used.
- IPv6 capabilities include:
  - IPv6 host enables switches to be managed in an IPv6 network
  - Dual stack (IPv4 and IPv6) transitions from IPv4 to IPv6, supporting connectivity for both protocols
  - MLD snooping forwards IPv6 multicast traffic to the appropriate interface
  - IPv6 ACL/QoS supports ACL and QoS for IPv6 network traffic
  - IPV6 routing supports Static and OSPFv3 protocols
  - Security provides RA guard, dynamic IPv6 lockdown, and ND snooping
- Jumbo frames allow for high-performance backups and disaster-recovery systems; provides a maximum frame size of 9220 bytes
- Packet storm protection against broadcast, multicast, and unknown unicast storms with user-defined thresholds
- Smart link enables simple, fast converging link redundancy and load balancing with dual uplinks avoiding Spanning Tree complexities

High Availability and Resiliency

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

- Hot Swappable Power Supplies available in the CX 6200M models
  - Provides N+1 and N+N redundancy for high reliability in the event of power line or supply failures
  - Optional secondary power supplies to increase the total available PoE power
  - Fixed power supplies are included in the CX 6200F switch models
- Uni-directional Link Detection (UDLD) to monitor link connectivity and shut down ports at both ends if uni-directional traffic is detected, preventing loops in STP-based networks
- IEEE 802.3ad LACP supports up to 48 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
- IEEE 802.3ad link-aggregation-control protocol (LACP) and port trunking support static and dynamic trunks where each trunk supports up to eight links (ports) per static trunk
- Virtual Router Redundancy Protocol (VRRP) allows groups of two routers to dynamically create highly available routed environments in IPV4 and IPV6 networks

Standard Features

Quality of Service (QoS) Features

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

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

Layer 2 Switching

The following layer 2 services are supported:

- VLAN support and tagging support IEEE 802.1Q (4094 VLAN IDs) and 2K VLANS simultaneously
- Jumbo packet support improves the performance of large data transfers; supports frame size of up to 9198 bytes
- IEEE 802.1v protocol VLANs isolate select non-IPv4 protocols automatically into their own VLANs
- Rapid Per-VLAN Spanning Tree (RPVST+) allows each VLAN to build a separate spanning tree to improve link bandwidth usage; is compatible with PVST+
- MVRP allows automatic learning and dynamic assignment of VLANs
- VXLAN encapsulation (tunnelling) protocol for overlay network that enables a more scalable virtual network deployment
- Bridge Protocol Data Unit (BPDU) tunnelling Transmits STP BPDUs transparently, allowing correct tree calculations across service providers, WANs, or MANs
- Port mirroring duplicates port traffic (ingress and egress) to a monitoring port; supports 4 mirroring groups
- STP supports standard IEEE 802.1D STP, IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) for faster convergence, and IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)
- Internet Group Management Protocol (IGMP) Controls and manages the flooding of multicast packets in a Layer 2 network

Layer 3 Services

The following layer 3 services are supported:

- Loopback interface address defines an address in Open Shortest Path First (OSPF), improving diagnostic capability
- Address Resolution Protocol (ARP) determines the MAC address of another IP host in the same subnet; supports static ARPs; gratuitous ARP allows detection of duplicate IP addresses; proxy ARP allows normal ARP operation between subnets or when subnets are separated by a Layer 2 network
- Domain Name System (DNS) provides a distributed database that translates domain names and IP addresses, which simplifies network design; supports client and server
- Supports internal loopback testing for maintenance purposes and increased availability; loopback detection protects against incorrect cabling or network configurations and can be enabled on a per-port or per-VLAN basis for added flexibility
- Route maps provide more control during route redistribution; allow filtering and altering of route metrics
- Dynamic Host Configuration Protocol (DHCP) simplifies the management of large IP networks and supports client; DHCP Relay enables DHCP operation across subnets

- DHCP server centralizes and reduces the cost of IPv4 address management

Simplified Configuration and Management

In addition to HPE Aruba Networking Central, the CX Mobile App, Multi-edit and Network Analytics Engine, the CX 6200 Switch Series offers the following:

- Built-in programmable and easy-to-use REST API interface
- Simple day zero provisioning
- sFlow (RFC 3176) is ASIC-based wire speed network monitoring and accounting with no impact on network performance; network operators can gather a variety of network statistics and information for capacity planning and real-time network monitoring purposes
- Management interface control enables or disables each of the following depending on security preferences, console port, or reset button
- Industry-standard CLI with a hierarchical structure for reduced training time and expense. Delivers increased productivity in multivendor environments
- Management security restricts access to critical configuration commands, provides multiple privilege levels with password protection and local and remote syslog capabilities allow logging of all access
- SNMP v2c/v3 provides SNMP read and trap support of industry standard Management Information Base (MIB), and private extensions
- SNMP support includes: Write Set Speed and Duplex, Write Port Security, Write POE Priority, Write Config Mgmt, SNMP-Read single OID for average CPU and memory, SNMP MIB View
- SNMP Trap include: Transceiver Traps (insertion/removal), SNMP Trap, SNMP MIB-SNMB Authentication, SNMPv2 MIB, Port Sec MIB-Port Sec, Config MIB-Running Config Change, Config MIB, AAA Server MIB, AAA Server State
- IP Flow Information Export (IPFIX) is an integrated network flow analysis tool that allows to measure flow properties and send flow reports. Supports IPFIX on egress interface
- 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

Standard Features

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 of mDNS groups across L3 boundaries
- Equal-Cost Multipath (ECMP) enables multiple equal-cost links in a routing environment to increase link redundancy and scale bandwidth
- Open shortest path first (OSPF) delivers faster convergence; uses link-state routing Interior Gateway Protocol (IGP), which supports ECMP, NSSA, and MD5 authentication for increased security and graceful restart for faster failure recovery
- Static IP routing provides manually configured routing; includes ECMP capability

Security

Each CX 6200 Switch Series comes with an integrated trusted platform module (TPM) for platform integrity. This ensures the boot process starts from a trusted combination of CX switches. Other security features include:

- CX uses FIPS 140-2 validated cryptography for protection of sensitive information.
- Access control list (ACL) support for both IPv4 and IPv6; allows for filtering traffic to prevent unauthorized users from accessing the network, or for controlling network traffic to save resources; rules can either deny or permit traffic to be forwarded; rules can be based on a Layer 2 header or a Layer 3 protocol header
- ACLs also provide filtering based on the IP field, source/ destination IP address/subnet, and source/ destination TCP/UDP port number on a per-VLAN or per-port basis
- Remote Authentication Dial-In User Service (RADIUS)
- Terminal Access Controller Access-Control System (TACACS+) delivers an authentication tool using TCP with encryption of the full authentication request, providing additional security
- Management access security for both on- and off-box authentication for administrative access. RADIUS or TACACS+ can be used to provide encrypted user authentication. Additionally, TACACS+ can also provide admin authorization services
- Control Plane Policing sets rate limit on control protocols to protect CPU overload from DOS attacks
- Supports multiple user authentication methods. Uses an IEEE 802.1X supplicant on the client in conjunction with a RADIUS server to authenticate in accordance with industry standards
- Web based authentication using Captive Portal on ClearPass is supported for use cases such as Guest Access and for devices that don’t support 802.1x or MAC Auth.
- Supports MAC-based client authentication

Standard Features

- 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-peer communication to prevent variety of malicious attacks.
- Auto VLAN Creation automates VLAN creation on access switches for authenticated clients.
- DHCP smart relay allows the DHCP relay agent to use secondary IP addresses when the DHCP server does not reply the DHCP-OFFER message
- IEEE 802.1AE MACsec provides security on a link between two switch ports using standard encryption and authentication. Available on CX 6200M across all downlink and 2x uplink ports.
  Notes: 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 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).:

Standard Features

Multicast

- IGMP Snooping allows multiple VLANs to receive the same IPv4 multicast traffic, lessening network bandwidth demand by reducing multiple streams to each VLAN
- Multicast Listener Discovery (MLD) enables discovery of IPv6 multicast listeners; support MLD v1 and v2
- Protocol Independent Multicast (PIM) defines modes of IPv4 and IPv6 multicasting to allow one-to-many and many-to-many transmission of information; supports PIM Sparse Mode and Dense Mode (DM) for both IPv4 and IPv6
- Internet Group Management Protocol (IGMP) utilizes Any-Source Multicast (ASM) to manage IPv4 multicast networks; supports IGMPv1, v2, and v3
- QinQ support to improve the VLAN utilization by adding another 802.1Q tag to tagged packets

Convergence

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

Additional information

- Green initiative support for RoHS (EN 50581:2012) and WEEE regulations
- TAA compliant models available
- CX Advanced feature pack supported (CX-OS 10.18)

Warranty, services, and support

- Limited Lifetime Warranty
- Software Releases and Documentation
- Support and services information
  Visit https://www.hpe.com/us/en/networking/hpe-aruba-networking-support-services.html

IT ECO Declarations

IT ECO Declarations provide environmental information for a specific product or product family in an industry standard format developed by IT organizations in Sweden, Norway and Denmark.

For information on specific models, please visit the following hyperlink:
https://www.hpe.com/us/en/living-progress/environment/msds-specs-more/it-eco-products.html

Configuration Information

BTO Models

Description	SKU
HPE Aruba Networking CX 6200M	
HPE Aruba Networking CX 6200M 24G 4SFP+ Switch	R8Q67A
HPE Aruba Networking CX 6200M 24G Class4 PoE 4SFP+ Switch	R8Q68A
HPE Aruba Networking CX 6200M 48G 4SFP+ Switch	R8Q69A
HPE Aruba Networking CX 6200M 48G Class4 PoE 4SFP+ Switch	R8Q70A
HPE Aruba Networking CX 6200M 36G 12SR5 Class6 PoE 4SFP+ Switch	R8Q71A
HPE Aruba Networking CX 6200M TAA	
HPE Aruba Networking CX 6200M 24G 4SFP+ TAA Switch	R8V08A
HPE Aruba Networking CX 6200M 24G Class4 PoE 4SFP+ TAA Switch	R8V09A
HPE Aruba Networking CX 6200M 48G 4SFP+ TAA Switch	R8V10A
HPE Aruba Networking CX 6200M 48G Class4 PoE 4SFP+ TAA Switch	R8V11A
HPE Aruba Networking CX 6200M 36G 12SR5 Class6 PoE 4SFP+ TAA Switch	R8V12A
HPE Aruba Networking CX 6200F	
HPE Aruba Networking CX 6200F 12G Class4 PoE 2G/2SFP+ 139W Switch	R8Q72A
HPE Aruba Networking CX 6200F 12G Class4 PoE 2G/2SFP+ 139W Switch PDU	R8Q72A#B2B
HPE Aruba Networking CX 6200F 12G Class4 PoE 2G/2SFP+ 139W Switch PDU	R8Q72A#B2C
HPE Aruba Networking CX 6200F 12G Class4 PoE 2G/2SFP+ 139W Switch 220v	R8Q72A#B2E
HPE Aruba Networking CX 6200F 12G Class4 PoE 2G/2SFP+ 139W Switch NoLoc	R8Q72A#AC3
HPE Aruba Networking CX 6200F 24G 4SFP Switch	S0M81A
HPE Aruba Networking CX 6200F 24G 4SFP Switch PDU	S0M81A#B2B
HPE Aruba Networking CX 6200F 24G 4SFP Switch PDU	S0M81A#B2C
HPE Aruba Networking CX 6200F 24G 4SFP Switch 220v	S0M81A#B2E
HPE Aruba Networking CX 6200F 24G 4SFP Switch NoLoc	S0M81A#AC3
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP 370W Switch	S0M82A
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP 370W Switch PDU	S0M82A#B2B
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP 370W Switch PDU	S0M82A#B2C
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP 370W Switch 220v	S0M82A#B2E
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP 370W Switch NoLoc	S0M82A#AC3
HPE Aruba Networking CX 6200F 48G 4SFP Switch	S0M83A
HPE Aruba Networking CX 6200F 48G 4SFP Switch PDU	S0M83A#B2B
HPE Aruba Networking CX 6200F 48G 4SFP Switch PDU	S0M83A#B2C
HPE Aruba Networking CX 6200F 48G 4SFP Switch 220v	S0M83A#B2E
HPE Aruba Networking CX 6200F 48G 4SFP Switch NoLoc	S0M83A#AC3
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP 370W Switch	S0M84A
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP 370W Switch PDU	S0M84A#B2B
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP 370W Switch PDU	S0M84A#B2C
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP 370W Switch 220v	S0M84A#B2E
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP 370W Switch NoLoc	S0M84A#AC3
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP 740W Switch	S0M85A
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP 740W Switch PDU	S0M85A#B2B
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP 740W Switch PDU	S0M85A#B2C

Configuration Information

HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP 740W Switch 220v	S0M85A#B2E
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP 740W Switch NoLoc	S0M85A#AC3
HPE Aruba Networking CX 6200F 24G 4SFP+ Switch	JL724A
HPE Aruba Networking CX 6200F 24G 4SFP+ Switch PDU	JL724A#B2B
HPE Aruba Networking CX 6200F 24G 4SFP+ Switch PDU	JL724A#B2C
HPE Aruba Networking CX 6200F 24G 4SFP+ Switch 220v	JL724A#B2E
HPE Aruba Networking CX 6200F 24G 4SFP+ Switch No Loc	JL724A#AC3
HPE Aruba Networking CX 6200F 24G Class4 PoE 4SFP+ 370W Switch	JL725A
HPE Aruba Networking CX 6200F 24G Class4 PoE 4SFP+ 370W Switch	JL725A #B2B
HPE Aruba Networking CX 6200F 24G Class4 PoE 4SFP+ 370W Switch	JL725A #B2C
HPE Aruba Networking CX 6200F 24G Class4 PoE 4SFP+ 370W Switch	JL725A #B2E
HPE Aruba Networking CX 6200F 24G Class4 PoE 4SFP+ 370W Switch	JL725A #AC3
HPE Aruba Networking CX 6200F 48G 4SFP+ Switch	JL726A
HPE Aruba Networking CX 6200F 48G 4SFP+ Switch	JL726A #B2B
HPE Aruba Networking CX 6200F 48G 4SFP+ Switch	JL726A #B2C
HPE Aruba Networking CX 6200F 48G 4SFP+ Switch 220v	JL726A#B2E
HPE Aruba Networking CX 6200F 48G 4SFP+ Switch	JL726A #AC3
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP+ 370W Switch	JL727A
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP+ 370W Switch PDU	JL727A#B2B
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP+ 370W Switch PDU	JL727A#B2C
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP+ 370W Switch 220v	JL727A#B2E
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP+ 370W Switch No Loc	JL727A#AC3
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP+ 740W Switch	JL728A
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP+ 740W Switch PDU	JL728A#B2B
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP+ 740W Switch PDU	JL728A#B2C
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP+ 740W Switch 220v	JL728A#B2E
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP+ 740W Switch No Loc	JL728A#AC3
HPE Aruba Networking CX 6200F 24G 4SFP+ Switch	JL724B
HPE Aruba Networking CX 6200F 24G 4SFP+ Switch PDU	JL724B#B2B
HPE Aruba Networking CX 6200F 24G 4SFP+ Switch PDU	JL724B#B2C
HPE Aruba Networking CX 6200F 24G 4SFP+ Switch 220v	JL724B#B2E
HPE Aruba Networking CX 6200F 24G 4SFP+ Switch NoLoc	JL724B#AC3
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP+ 370W Switch	JL725B
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP+ 370W Switch PDU	JL725B#B2B
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP+ 370W Switch PDU	JL725B#B2C
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP+ 370W Switch 220v	JL725B#B2E
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP+ 370W Switch NoLoc	JL725B#AC3
HPE Aruba Networking CX 6200F 48G 4SFP+ Switch	JL726B
HPE Aruba Networking CX 6200F 48G 4SFP+ Switch PDU	JL726B#B2B
HPE Aruba Networking CX 6200F 48G 4SFP+ Switch PDU	JL726B#B2C
HPE Aruba Networking CX 6200F 48G 4SFP+ Switch 220v	JL726B#B2E
HPE Aruba Networking CX 6200F 48G 4SFP+ Switch NoLoc	JL726B#AC3
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 370W Switch	JL727B
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 370W Switch PDU	JL727B#B2B
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 370W Switch PDU	JL727B#B2C
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 370W Switch 220v	JL727B#B2E

Configuration Information

HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 370W Switch NoLoc	JL727B#AC3
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W Switch	JL728B
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W Switch PDU	JL728B#B2B
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W Switch PDU	JL728B#B2C
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W Switch 220v	JL728B#B2E
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W Switch NoLoc	JL728B#AC3

HPE Aruba Networking CX 6200F TAA

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 PDU	S0G13A#B2B
HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP 370W TAA-compliant Switch PDU	S0G13A#B2C
HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP 370W TAA-compliant Switch 220v	S0G13A#B2E
HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP 370W TAA-compliant Switch No Loc	S0G13A#AC3
HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP 370W TAA-compliant Switch	S0G14A
HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP 370W TAA-compliant Switch PDU	S0G14A#B2B
HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP 370W TAA-compliant Switch PDU	S0G14A#B2C
HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP 370W TAA-compliant Switch 220v	S0G14A#B2E
HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP 370W TAA-compliant Switch No Loc	S0G14A#AC3
HPE Aruba Networking CX 6200F 48G 4SFP TAA-compliant Switch	S0G15A
HPE Aruba Networking CX 6200F 48G 4SFP TAA-compliant Switch PDU	S0G15A#B2B
HPE Aruba Networking CX 6200F 48G 4SFP TAA-compliant Switch PDU	S0G15A#B2C
HPE Aruba Networking CX 6200F 48G 4SFP TAA-compliant Switch 220v	S0G15A#B2E
HPE Aruba Networking CX 6200F 48G 4SFP TAA-compliant Switch No Loc	S0G15A#AC3
HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP 370W TAA-compliant Switch	S0G16A
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP 370W TAA-compliant Switch PDU	S0G16A#B2B
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP 370W TAA-compliant Switch PDU	S0G16A#B2C
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP 370W TAA-compliant Switch 220v	S0G16A#B2E
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP 370W TAA-compliant Switch NoLoc	S0G16A#AC3
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP 740W TAA-compliant Switch	S0G17A
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP 740W TAA-compliant Switch PDU	S0G17A#B2B
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP 740W TAA-compliant Switch PDU	S0G17A#B2C
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP 740W TAA-compliant Switch 220v	S0G17A#B2E
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP 740W TAA-compliant Switch NoLoc	S0G17A#AC3
HPE Aruba Networking CX 6200F 12G Class4 PoE 2G/2SFP+ 139W TAA Switch	R8V13A
HPE Aruba Networking CX 6200F 12G Class4 PoE 2G/2SFP+ 139W TAA Switch PDU	R8V13A#B2B
HPE Aruba Networking CX 6200F 12G Class4 PoE 2G/2SFP+ 139W TAA Switch PDU	R8V13A#B2C
HPE Aruba Networking CX 6200F 12G Class4 PoE 2G/2SFP+ 139W TAA Switch 220v	R8V13A#B2E
HPE Aruba Networking CX 6200F 12G Class4 PoE 2G/2SFP+ 139W TAA Switch NoLoc	R8V13A#AC3
HPE Aruba Networking CX 6200F 24G 4SFP+ TAA Switch	S0M86A
HPE Aruba Networking CX 6200F 24G 4SFP+ TAA Switch PDU	S0M86A#B2B
HPE Aruba Networking CX 6200F 24G 4SFP+ TAA Switch PDU	S0M86A#B2C
HPE Aruba Networking CX 6200F 24G 4SFP+ TAA Switch 220v	S0M86A#B2E
HPE Aruba Networking CX 6200F 24G 4SFP+ TAA Switch NoLoc	S0M86A#AC3
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP+ 370W TAA Switch	S0M87A
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP+ 370W TAA Switch PDU	S0M87A#B2B
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP+ 370W TAA Switch PDU	S0M87A#B2C

Configuration Information

HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP+ 370W TAA Switch 220v	S0M87A#B2E
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP+ 370W TAA Switch NoLoc	S0M87A#AC3
HPE Aruba Networking CX 6200F 48G 4SFP+ TAA Switch	S0M88A
HPE Aruba Networking CX 6200F 48G 4SFP+ TAA Switch PDU	S0M88A#B2B
HPE Aruba Networking CX 6200F 48G 4SFP+ TAA Switch PDU	S0M88A#B2C
HPE Aruba Networking CX 6200F 48G 4SFP+ TAA Switch 220v	S0M88A#B2E
HPE Aruba Networking CX 6200F 48G 4SFP+ TAA Switch NoLoc	S0M88A#AC3
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 370W TAA Switch	S0M89A
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 370W TAA Switch PDU	S0M89A#B2B
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 370W TAA Switch PDU	S0M89A#B2C
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 370W TAA Switch 220v	S0M89A#B2E
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 370W TAA Switch NoLoc	S0M89A#AC3
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W TAA Switch	S0M90A
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W TAA Switch PDU	S0M90A#B2B
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W TAA Switch PDU	S0M90A#B2C
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W TAA Switch 220v	S0M90A#B2E
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W TAA Switch NoLoc	S0M90A#AC3

Configuration Information

Rack Level Integration CTO Models

Description	SKU
HPE Aruba Networking CX 6200M	
HPE Aruba Networking CX 6200M 24G 4SFP+ Switch	R8Q67A
HPE Aruba Networking CX 6200M 24G Class4 PoE 4SFP+ Switch	R8Q68A
HPE Aruba Networking CX 6200M 48G 4SFP+ Switch	R8Q69A
HPE Aruba Networking CX 6200M 48G Class4 PoE 4SFP+ Switch	R8Q70A
HPE Aruba Networking CX 6200M 36G 12SR5 Class6 PoE 4SFP+ Switch	R8Q71A
HPE Aruba Networking CX 6200M TAA	
HPE Aruba Networking CX 6200M 24G 4SFP+ TAA Switch	R8V08A
HPE Aruba Networking CX 6200M 24G Class4 PoE 4SFP+ TAA Switch	R8V09A
HPE Aruba Networking CX 6200M 48G 4SFP+ TAA Switch	R8V10A
HPE Aruba Networking CX 6200M 48G Class4 PoE 4SFP+ TAA Switch	R8V11A
HPE Aruba Networking CX 6200M 36G 12SR5 Class6 PoE 4SFP+ TAA Switch	R8V12A
HPE Aruba Networking CX 6200F	
HPE Aruba Networking CX 6200F 24G 4SFP Switch	S0M81A
HPE Aruba Networking CX 6200F 24G 4SFP Switch PDU	S0M81A#B2B
HPE Aruba Networking CX 6200F 24G 4SFP Switch PDU	S0M81A#B2C
HPE Aruba Networking CX 6200F 24G 4SFP Switch 220v	S0M81A#B2E
HPE Aruba Networking CX 6200F 24G 4SFP Switch NoLoc	S0M81A#AC3
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP 370W Switch	S0M82A
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP 370W Switch PDU	S0M82A#B2B
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP 370W Switch PDU	S0M82A#B2C
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP 370W Switch 220v	S0M82A#B2E
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP 370W Switch NoLoc	S0M82A#AC3
HPE Aruba Networking CX 6200F 48G 4SFP Switch	S0M83A
HPE Aruba Networking CX 6200F 48G 4SFP Switch PDU	S0M83A#B2B
HPE Aruba Networking CX 6200F 48G 4SFP Switch PDU	S0M83A#B2C
HPE Aruba Networking CX 6200F 48G 4SFP Switch 220v	S0M83A#B2E
HPE Aruba Networking CX 6200F 48G 4SFP Switch NoLoc	S0M83A#AC3
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP 370W Switch	S0M84A
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP 370W Switch PDU	S0M84A#B2B
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP 370W Switch PDU	S0M84A#B2C
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP 370W Switch 220v	S0M84A#B2E
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP 370W Switch NoLoc	S0M84A#AC3
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP 740W Switch	S0M85A
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP 740W Switch PDU	S0M85A#B2B
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP 740W Switch PDU	S0M85A#B2C
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP 740W Switch 220v	S0M85A#B2E
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP 740W Switch NoLoc	S0M85A#AC3
HPE Aruba Networking CX 6200F 24G 4SFP+ Switch	JL724A
HPE Aruba Networking CX 6200F 24G 4SFP+ Switch PDU	JL724A#B2B
HPE Aruba Networking CX 6200F 24G 4SFP+ Switch PDU	JL724A#B2C

Configuration Information

HPE Aruba Networking CX 6200F 24G 4SFP+ Switch 220v	JL724A#B2E
HPE Aruba Networking CX 6200F 24G 4SFP+ Switch No Loc	JL724A#AC3
HPE Aruba Networking CX 6200F 24G Class4 PoE 4SFP+ 370W Switch	JL725A
HPE Aruba Networking CX 6200F 24G Class4 PoE 4SFP+ 370W Switch	JL725A #B2B
HPE Aruba Networking CX 6200F 24G Class4 PoE 4SFP+ 370W Switch	JL725A #B2C
HPE Aruba Networking CX 6200F 24G Class4 PoE 4SFP+ 370W Switch	JL725A #B2E
HPE Aruba Networking CX 6200F 24G Class4 PoE 4SFP+ 370W Switch	JL725A #AC3
HPE Aruba Networking CX 6200F 48G 4SFP+ Switch	JL726A
HPE Aruba Networking CX 6200F 48G 4SFP+ Switch	JL726A #B2B
HPE Aruba Networking CX 6200F 48G 4SFP+ Switch	JL726A #B2C
HPE Aruba Networking CX 6200F 48G 4SFP+ Switch 220v	JL726A#B2E
HPE Aruba Networking CX 6200F 48G 4SFP+ Switch	JL726A #AC3
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP+ 370W Switch	JL727A
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP+ 370W Switch PDU	JL727A#B2B
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP+ 370W Switch PDU	JL727A#B2C
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP+ 370W Switch 220v	JL727A#B2E
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP+ 370W Switch No Loc	JL727A#AC3
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP+ 740W Switch	JL728A
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP+ 740W Switch PDU	JL728A#B2B
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP+ 740W Switch PDU	JL728A#B2C
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP+ 740W Switch 220v	JL728A#B2E
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP+ 740W Switch No Loc	JL728A#AC3
HPE Aruba Networking CX 6200F 24G 4SFP+ Switch	JL724B
HPE Aruba Networking CX 6200F 24G 4SFP+ Switch PDU	JL724B#B2B
HPE Aruba Networking CX 6200F 24G 4SFP+ Switch PDU	JL724B#B2C
HPE Aruba Networking CX 6200F 24G 4SFP+ Switch 220v	JL724B#B2E
HPE Aruba Networking CX 6200F 24G 4SFP+ Switch NoLoc	JL724B#AC3
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP+ 370W Switch	JL725B
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP+ 370W Switch PDU	JL725B#B2B
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP+ 370W Switch PDU	JL725B#B2C
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP+ 370W Switch 220v	JL725B#B2E
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP+ 370W Switch NoLoc	JL725B#AC3
HPE Aruba Networking CX 6200F 48G 4SFP+ Switch	JL726B
HPE Aruba Networking CX 6200F 48G 4SFP+ Switch PDU	JL726B#B2B
HPE Aruba Networking CX 6200F 48G 4SFP+ Switch PDU	JL726B#B2C
HPE Aruba Networking CX 6200F 48G 4SFP+ Switch 220v	JL726B#B2E
HPE Aruba Networking CX 6200F 48G 4SFP+ Switch NoLoc	JL726B#AC3
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 370W Switch	JL727B
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 370W Switch PDU	JL727B#B2B
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 370W Switch PDU	JL727B#B2C
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 370W Switch 220v	JL727B#B2E
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 370W Switch NoLoc	JL727B#AC3
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W Switch	JL728B

Configuration Information

HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W Switch PDU	JL728B#B2B
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W Switch PDU	JL728B#B2C
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W Switch 220v	JL728B#B2E
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W Switch NoLoc	JL728B#AC3

HPE Aruba Networking CX 6200F TAA

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 PDU	S0G13A#B2B
HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP 370W TAA-compliant Switch PDU	S0G13A#B2C
HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP 370W TAA-compliant Switch 220v	S0G13A#B2E
HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP 370W TAA-compliant Switch No Loc	S0G13A#AC3
HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP 370W TAA-compliant Switch	S0G14A
HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP 370W TAA-compliant Switch PDU	S0G14A#B2B
HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP 370W TAA-compliant Switch PDU	S0G14A#B2C
HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP 370W TAA-compliant Switch 220v	S0G14A#B2E
HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP 370W TAA-compliant Switch No Loc	S0G14A#AC3
HPE Aruba Networking CX 6200F 48G 4SFP TAA-compliant Switch	S0G15A
HPE Aruba Networking CX 6200F 48G 4SFP TAA-compliant Switch PDU	S0G15A#B2B
HPE Aruba Networking CX 6200F 48G 4SFP TAA-compliant Switch PDU	S0G15A#B2C
HPE Aruba Networking CX 6200F 48G 4SFP TAA-compliant Switch 220v	S0G15A#B2E
HPE Aruba Networking CX 6200F 48G 4SFP TAA-compliant Switch No Loc	S0G15A#AC3
HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP 370W TAA-compliant Switch	S0G16A
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP 370W TAA-compliant Switch PDU	S0G16A#B2B
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP 370W TAA-compliant Switch PDU	S0G16A#B2C
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP 370W TAA-compliant Switch 220v	S0G16A#B2E
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP 370W TAA-compliant Switch NoLoc	S0G16A#AC3
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP 740W TAA-compliant Switch	S0G17A
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP 740W TAA-compliant Switch PDU	S0G17A#B2B
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP 740W TAA-compliant Switch PDU	S0G17A#B2C
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP 740W TAA-compliant Switch 220v	S0G17A#B2E
HPE Aruba Networking CX 6200F 48G Class4 PoE 4SFP 740W TAA-compliant Switch NoLoc	S0G17A#AC3
HPE Aruba Networking CX 6200F 24G 4SFP+ TAA Switch	S0M86A
HPE Aruba Networking CX 6200F 24G 4SFP+ TAA Switch PDU	S0M86A#B2B
HPE Aruba Networking CX 6200F 24G 4SFP+ TAA Switch PDU	S0M86A#B2C
HPE Aruba Networking CX 6200F 24G 4SFP+ TAA Switch 220v	S0M86A#B2E
HPE Aruba Networking CX 6200F 24G 4SFP+ TAA Switch NoLoc	S0M86A#AC3
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP+ 370W TAA Switch	S0M87A
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP+ 370W TAA Switch PDU	S0M87A#B2B
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP+ 370W TAA Switch PDU	S0M87A#B2C
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP+ 370W TAA Switch 220v	S0M87A#B2E
HPE Aruba Networking CX 6200F 24G Class-4 PoE 4SFP+ 370W TAA Switch NoLoc	S0M87A#AC3
HPE Aruba Networking CX 6200F 48G 4SFP+ TAA Switch	S0M88A
HPE Aruba Networking CX 6200F 48G 4SFP+ TAA Switch PDU	S0M88A#B2B
HPE Aruba Networking CX 6200F 48G 4SFP+ TAA Switch PDU	S0M88A#B2C
HPE Aruba Networking CX 6200F 48G 4SFP+ TAA Switch 220v	S0M88A#B2E
HPE Aruba Networking CX 6200F 48G 4SFP+ TAA Switch NoLoc	S0M88A#AC3

Configuration Information

HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 370W TAA Switch	S0M89A
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 370W TAA Switch PDU	S0M89A#B2B
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 370W TAA Switch PDU	S0M89A#B2C
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 370W TAA Switch 220v	S0M89A#B2E
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 370W TAA Switch NoLoc	S0M89A#AC3
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W TAA Switch	S0M90A
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W TAA Switch PDU	S0M90A#B2B
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W TAA Switch PDU	S0M90A#B2C
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W TAA Switch 220v	S0M90A#B2E
HPE Aruba Networking CX 6200F 48G Class-4 PoE 4SFP+ 740W TAA Switch NoLoc	S0M90A#AC3

Transceivers

Description	SKU
SFP Transceivers	
HPE Aruba Networking 100M SFP LC FX 2km MMF Transceiver	J9054D
HPE Aruba Networking 1G SFP LC SX 500m OM2 MMF Transceiver	J4858D
HPE Aruba Networking 1G SFP LC LX 10km SMF Transceiver	J4859D
HPE Aruba Networking 1G SFP LC LH 70km SMF Transceiver	J4860D
HPE Aruba Networking 1G SFP RJ45 100m Cat5e Transceiver	J8177E
HPE Aruba Networking 1G SFP LC SX 500m MMF TAA Transceiver	JL745A
HPE Aruba Networking 1G SFP LC LX 10km SMF TAA Transceiver	JL746A
HPE Aruba Networking 1G SFP RJ45 100m Cat5e TAA Transceiver	JL747B
SFP+ Transceivers	
HPE Aruba Networking 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver	JL563C
HPE Aruba Networking 10G SFP+ LC SR 300m OM3 MMF Transceiver	J9150D
HPE Aruba Networking 10G SFP+ LC LR 10km SMF Transceiver	J9151E
HPE Aruba Networking 10G SFP+ LC ER 40km SMF Transceiver	J9153D
HPE Aruba Networking 10G SFP+ LC SR 300m MMF TAA Transceiver	JL748A
HPE Aruba Networking 10G SFP+ LC LR 10km SMF TAA Transceiver	JL749A
HPE Aruba Networking 10G SFP+ LC LRM 220m OM2 MMF Transceiver	J9152D
HPE Aruba Networking 10G SMF Simplex LC BiDi 40km-Downstream 1330/1270 Transceiver	R9X54A
HPE Aruba Networking 10G I-Temp BiDi LC 10km-Downstream SMF 1330/1270 Transceiver	S6H20A
HPE Aruba Networking 10G I-Temp BiDi LC 10km-Upstream SMF 1270/1330 Transceiver	S6H21A
HPE Aruba Networking 10G I-Temp BiDi LC 10km-Downstream SMF 1330/1270 TAA Transceiver	S6H22A
HPE Aruba Networking 10G I-Temp BiDi LC 10km-Upstream SMF 1270/1330 TAA Transceiver	S6H24A
HPE Aruba Networking 10G SMF Simplex LC BiDi 40km-Upstream 1270/1330 Transceiver	R9X55A
HPE Aruba Networking 10G SR SFP+ LC 400m OM4 MMF C-Class Transceiver	S2P30A
HPE Aruba Networking 10G LR SFP+ LC 10km SMF C-Class Transceiver	S2P31A
HPE Aruba Networking 10G ER SFP+ LC 40km SMF C-Class Transceiver	S2P32A
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

Configuration Information

Switch Options

Description	SKU
Fan Trays	
System (std 1 // max 2) User Selection (min 0 // max 1) per enclosure	
HPE Aruba Networking X751 Front to Back Fan Tray	JL669B
Rack Mount Kits	
System (std 0 // max 1) User Selection (min 0 // max 1) per enclosure	
HPE Aruba Networking X414 1U Universal 4-post Rack Mount Kit	J9583B
India PDU Cable	
For 6200M/F System (std 0 // max 1) User Selection (min 0 // max 1) per enclosure	
HPE Networking 2.0m C13 to C14 PDU India Power Cord	JL671A
HPE Networking 2.5m C15 to C14 PDU India Power Cord	JL672A
USB Console Cables	
System (std 0 // max 99) User Selection (min 0 // max 99) per switch	
HPE Aruba Networking USBA-RJ45 PIN3TX-6RX 2.5m Cable	R8Z87A
HPE Aruba Networking USBA-RJ45 PC-to-Switch PIN6TX-3RX 2.5m Cable	R9G48B
HPE Aruba Networking USB-A reversible to USB-C PC-to-Switch 3m Cable	R9J32A
HPE Aruba Networking USB-C to USB-C PC-to-Switch 3m Cable	R9J33A
HPE Aruba Networking X2C2 RJ45 to DB9 Console Cable	JL448A
Accessories	
System (std 0 // max 99) User Selection (min 0 // max 99) per enclosure	
HPE Aruba Networking CX 6200F 12-port Cable Guard	R8Q73A
HPE Aruba Networking CX Switch Bluetooth Adapter	S1H23A

Power Supplies

Power Supply Units	
System (std 0 // max 2) User Selection (min 1 // max 2) per enclosure	
HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply	JL085A
HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply PDU	JL085A#B2B
HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply PDU	JL085A#B2C
HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply 220v	JL085A#B2E
HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply	JL085A#AC3
HPE Aruba Networking X372 54VDC 680W 100-240VAC Power Supply	JL086A
HPE Aruba Networking X372 54VDC 680W 100-240VAC Power Supply PDU	JL086A#B2B
HPE Aruba Networking X372 54VDC 680W 100-240VAC Power Supply PDU	JL086A#B2C
HPE Aruba Networking X372 54VDC 680W 100-240VAC Power Supply 220v	JL086A#B2E
HPE Aruba Networking X372 54VDC 680W 100-240VAC Power Supply	JL086AAC3
HPE Aruba Networking X372 54VDC 1050W 110-240VAC Power Supply	JL087A
HPE Aruba Networking X372 54VDC 1050W 110-240VAC Power Supply PDU	JL087A#B2B
HPE Aruba Networking X372 54VDC 1050W 110-240VAC Power Supply PDU	JL087A#B2C

Configuration Information

HPE Aruba Networking X372 54VDC 1050W 110-240VAC Power Supply 220v	JL087A#B2E
HPE Aruba Networking X372 54VDC 1050W 110-240VAC Power Supply	JL087A#AC3

PSU Options

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

HPE Networking 2.0m C13 to C14 PDU India Power Cord	JL671A
HPE Networking 2.5m C15 to C14 PDU India Power Cord	JL672A

Software

Description	SKU
HPE Aruba Networking CX Software	
HPE Aruba Networking CX Advanced Software Licenses	
HPE Aruba Networking CX 62XX Group1 Advanced Feature Pack 8-12ports 10-year Subscription E-STU	S7U89AAE
HPE Aruba Networking CX 62XX Group1 Advanced Feature Pack 8-12ports 1-year Subscription E-STU	S7U90AAE
HPE Aruba Networking CX 62XX Group1 Advanced Feature Pack 8-12ports 3-year Subscription E-STU	S7U91AAE
HPE Aruba Networking CX 62XX Group1 Advanced Feature Pack 8-12ports 5-year Subscription E-STU	S7U92AAE
HPE Aruba Networking CX 62XX Group1 Advanced Feature Pack 8-12ports 7-year Subscription E-STU	S7U93AAE
HPE Aruba Networking CX 62XX Group2 Advanced Feature Pack 10-year Subscription E-STU	S7U94AAE
HPE Aruba Networking CX 62XX Group2 Advanced Feature Pack 1-year Subscription E-STU	S7U95AAE
HPE Aruba Networking CX 62XX Group2 Advanced Feature Pack 3-year Subscription E-STU	S7U96AAE
HPE Aruba Networking CX 62XX Group2 Advanced Feature Pack 5-year Subscription E-STU	S7U97AAE
HPE Aruba Networking CX 62XX Group2 Advanced Feature Pack 7-year Subscription E-STU	S7U98AAE
HPE Aruba Networking Multi-Edit	
Multi-Edit / Single Node Subscription	
HPE Aruba Networking NetEdit Single Node 1yr Subscription E-STU	JL639AAE
HPE Aruba Networking NetEdit Single Node 3yr Subscription E-STU	JL640AAE
HPE Aruba Networking Central	
For details and complete listing of HPE Aruba Networking Central licensing options, please see: https://www.hpe.com/psnow/doc/a00125615enw?jumpid=in_hpesitesearch	
Advanced Services / 62XX or 29XX Switch Advanced Subscriptions	
HPE Aruba Networking Central Switch Class2 Advanced 1-year Subscription E-STU	JZ530AAE
HPE Aruba Networking Central Switch Class2 Advanced 3-year Subscription E-STU	JZ531AAE
HPE Aruba Networking Central Switch Class2 Advanced 5-year Subscription E-STU	JZ532AAE
HPE Aruba Networking Central Switch Class2 Advanced 7-year Subscription E-STU	JZ533AAE
HPE Aruba Networking Central Switch Class2 Advanced 10-year Subscription E-STU	JZ534AAE
HPE Aruba Networking 2930F 12G PoE+ 2G/2SFP+ Switch	JL693A
HPE Aruba Networking 2930F 8G PoE+ 2SFP+ Switch	JL258A

Configuration Information

Cloud Services / 62XX/29XX Switch Foundation Subscriptions

HPE Aruba Networking Central Switch Class-2 Foundation 1 year Subscription E-STU	Q9Y73AAE
HPE Aruba Networking Central Switch Class-2 Foundation 3 year Subscription E-STU	Q9Y74AAE
HPE Aruba Networking Central Switch Class-2 Foundation 5 year Subscription E-STU	Q9Y75AAE
HPE Aruba Networking Central Switch Class-2 Foundation 7 year Subscription E-STU	Q9Y76AAE
HPE Aruba Networking Central Switch Class-2 Foundation 10 year Subscription E-STU	Q9Y77AAE

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

HPE Aruba Networking Central on Prem Switch Class-2 Foundation 1 year Subscription E-STU	R6U78AAE
HPE Aruba Networking Central on Prem Switch Class-2 Foundation 3 year Subscription E-STU	R6U79AAE
HPE Aruba Networking Central on Prem Switch Class-2 Foundation 5 year Subscription E-STU	R6U80AAE
HPE Aruba Networking Central on Prem Switch Class-2 Foundation 7 year Subscription E-STU	R6U81AAE
HPE Aruba Networking Central on Prem Switch Class-2 Foundation 10 year Subscription E-STU	R6U82AAE

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

HPE Aruba Networking Central On-Premises Switch Class2 Advanced 1-year Subscription E-STU	R6U98AAE
HPE Aruba Networking Central On-Premises Switch Class2 Advanced 3-year Subscription E-STU	R6U99AAE
HPE Aruba Networking Central On-Premises Switch Class2 Advanced 5-year Subscription E-STU	R6V00AAE
HPE Aruba Networking Central On-Premises Switch Class2 Advanced 7-year Subscription E-STU	R6V01AAE
HPE Aruba Networking Central On-Premises Switch Class2 Advanced 10-year Subscription E-STU	R6V02AAE

As-a-Service

HPE Aruba Networking Central

Cloud Services / 62XX/29XX Switch Foundation Subscriptions

HPE Aruba Networking Central Switch Class-2 Foundation 1 year Subscription SaaS	Q9Y73AAS
HPE Aruba Networking Central Switch Class-2 Foundation 3 year Subscription SaaS	Q9Y74AAS
HPE Aruba Networking Central Switch Class-2 Foundation 5 year Subscription SaaS	Q9Y75AAS
HPE Aruba Networking Central Switch Class-2 Foundation 7 year Subscription SaaS	Q9Y76AAS
HPE Aruba Networking Central Switch Class-2 Foundation 10 year Subscription SaaS	Q9Y77AAS

Cloud Services / Switch Advanced AAS Licenses

HPE Aruba Networking Central Switch Class-2 Advanced 1 year Subscription SaaS	S0W47AAS
HPE Aruba Networking Central Switch Class-2 Advanced 3 year Subscription SaaS	S0W48AAS
HPE Aruba Networking Central Switch Class-2 Advanced 5 year Subscription SaaS	S0W49AAS
HPE Aruba Networking Central Switch Class-2 Advanced 7 year Subscription SaaS	S0W50AAS
HPE Aruba Networking Central Switch Class-2 Advanced 10 year Subscription SaaS	S0W51AAS

Technical Specifications

HPE Aruba Networking 6200M 24G 4SFP+ Switch (R8Q67A)	
Specifications	
Description	24x ports 10/100/1000BASE-T Ports 4x 1G/10G SFP ports (2x LRM; 2x LRM/MACSec 256) 1x RJ-45 Console Port 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port
Power supplies	2 field-replaceable, 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. Min 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")
Configuration Weight	5.59 kg (12.32 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	6 MB
Performance	
Model Switching Capacity	128 Gbps
Model Throughput Capacity	Up to 95.2 Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 3.6µSec 10Gbps: 2.9µSec
Stack Size	8 members (with other 24/48p 6200F and 6200M switches only; No stacking support with 12p 6200F switches)
Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	256
IPv4 Host Table (ARP)	8,000
IPv6 Host Table (ND)	8,000
IPv4 Unicast Routes	2,000

Technical Specifications

IPv6 Unicast Routes	2,000
MAC Table Capacity	32,768
IGMP Groups	1,000
MLD Groups	1,000
IPv4/IPv6/MAC ACL Entries (ingress)	1,000/1,000/1,000
IPv4/IPv6/MAC ACL Entries (egress)	512/256/512
Environment	
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft; derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Operating Relative Humidity	15% to 95% @ 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 4.5 Bel Sound Pressure, LpAm (Bystander) = 29.1 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	JL085A PSU: 100V-240V
Current	JL085A PSU: 3A/1.2A
80plus.org Certification	JL085A PSU: 80plus Gold
Maximum heat dissipation BTU/hr and kj/hr info needed	164 BTU/hr 173 kj/hr
Power Consumption (230 VAC)	With JL085A PSU: Idle: 56W 100% Traffic Rate: 75W
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.

Technical Specifications

	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
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories – Optical Transceivers only)
Immunity	
Generic	CISPR 35: 2016
EN	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC 61000-3-2, EN 61000-3-2
Flicker	IEC 61000-3-3, EN 61000-3-3
RoHS	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.

Technical Specifications

HPE Aruba Networking 6200M 24G Class4 PoE 4SFP+ Switch (R8Q68A)	
Specifications	
Description	24x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 1G/10G SFP ports (2x LRM; 2x LRM/MACsec 256) Supports PoE Standards IEEE 802.3af, 802.3at 1x RJ-45 Console Port 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port
Power supplies	2 field-replaceable, hot swappable power supply slots 1 minimum power supply required (ordered separately) Supported PSUs JL086A JL087A Max PoE Power: 740W
Fans	Switch has two fan tray slots; Switch includes one fan tray. – Min 1 fan tray required. Optional second fan tray ordered separately. – Fan trays are field replaceable and 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")
Configuration Weight	5.83 kg (12.85 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	6 MB
Performance	
Model Switching Capacity	128 Gbps
Model Throughput Capacity	Up to 95.2 Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 3.6µSec 10Gbps: 2.9µSec
Stack Size	8 members (with other 24/48p 6200F and 6200M switches only; No stacking support with 12p 6200F switches)
Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	256
Ipv4 Host Table (ARP)	8,000

Technical Specifications

Ipv6 Host Table (ND)	8,000
Ipv4 Unicast Routes	2,000
Ipv6 Unicast Routes	2,000
MAC Table Capacity	32,768
IGMP Groups	1,000
MLD Groups	1,000
Ipv4/Ipv6/MAC ACL Entries (ingress)	1,000/1,000/1,000
Ipv4/Ipv6/MAC ACL Entries (egress)	512/256/512
Environment	
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft; derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Operating Relative Humidity	15% to 95% @ 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 5.0 Bel Sound Pressure, LpAm (Bystander) = 33.8 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	JL086A PSU: 100V-240V JL087A PSU: 110V-240V
Current	JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A
80plus.org Certification	JL086A PSU: Gold JL087A PSU: Platinum
Maximum heat dissipation BTU/hr and kj/hr info needed	208 BTU/hr 220 kj/hr
Power Consumption (230 VAC)	With JL086A PSU: Idle: 60W 100% Traffic Rate: 76W With JL087A PSU: Idle: 59W 100% Traffic Rate: 74W
Safety	Europe: EN 62368-1:2014+A11:2017 EN 62368-1:2020+A11:2020

Technical Specifications

	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
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)
Immunity	
Generic	CISPR 35: 2016
EN	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6

Technical Specifications

Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC 61000-3-2, EN 61000-3-2
Flicker	IEC 61000-3-3, EN 61000-3-3
RoHS	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.

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

Specifications	
Description	48x ports 10/100/1000BASE-T Ports 4x 1G/10G SFP ports (2x LRM; 2x LRM/MACsec 256) 1x RJ-45 Console Port 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port
Power supplies	2 field-replaceable, 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. – Min 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")
Configuration Weight	5.73 kg (12.63 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	6 MB
Performance	
Model Switching Capacity	176 Gbps
Model Throughput Capacity	Up to 202Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 3.6µSec 10Gbps: 2.9µSec
Stack Size	8 members (with other 24/48p 6200F and 6200M switches only; No stacking support with 12p 6200F switches)

Technical Specifications

Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	256
IPv4 Host Table (ARP)	8,000
IPv6 Host Table (ND)	8,000
IPv4 Unicast Routes	2,000
IPv6 Unicast Routes	2,000
MAC Table Capacity	32,768
IGMP Groups	1,000
MLD Groups	1,000
IPv4/IPv6/MAC ACL Entries (ingress)	1,000/1,000/1,000
IPv4/IPv6/MAC ACL Entries (egress)	512/256/512
Environment	
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft; derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Operating Relative Humidity	15% to 95% @ 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 4.5 Bel Sound Pressure, LpAm (Bystander) = 29.4 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	JL085A PSU: 100V-240V
Current	JL085A PSU: 3A/1.2A
80plus.org Certification	JL085A PSU: 80plus Gold
Maximum heat dissipation BTU/hr and kj/hr info needed	205 BTU/hr 216 kj/hr
Power Consumption (230 VAC)	With JL085A PSU: Idle: 56W 100% Traffic Rate: 75W

Technical Specifications

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
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
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)
Immunity	
Generic	CISPR 35: 2016
EN	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3

Technical Specifications

EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC 61000-3-2, EN 61000-3-2
Flicker	IEC 61000-3-3, EN 61000-3-3
RoHS	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.

HPE Aruba Networking 6200M 48G Class4 PoE 4SFP+ Switch (R8Q70A)

Specifications	
Description	48x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 1G/10G SFP ports (2x LRM; 2x LRM/MACsec 256) Supports PoE Standards IEEE 802.3af, 802.3at 1x RJ-45 Console Port 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port
Power supplies	2 field-replaceable, 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 – Min 1 fan tray required. Optional second fan tray ordered separately. – Fan trays are field replaceable and hot swappable. – Each fan tray contains two fans.

Technical Specifications

Physical characteristics	
Dimensions	(H) 4.4 cm x (W) 44.2 cm x (D) 38.5 cm (1.73" x 17.4" x 15.2")
Configuration Weight	6.15 kg (13.56 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	6 MB
Performance	
Model Switching Capacity	176 Gbps
Model Throughput Capacity	Up to 202Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 3.6µSec 10Gbps: 2.9µSec
Stack Size	8 members (with other 24/48p 6200F and 6200M switches only; No stacking support with 12p 6200F switches)
Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	256
IPv4 Host Table (ARP)	8,000
IPv6 Host Table (ND)	8,000
IPv4 Unicast Routes	2,000
IPv6 Unicast Routes	2,000
MAC Table Capacity	32,768
IGMP Groups	1,000
MLD Groups	1,000
IPv4/IPv6/MAC ACL Entries (ingress)	1,000/1,000/1,000
IPv4/IPv6/MAC ACL Entries (egress)	512/256/512
Environment	
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft; derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Operating Relative Humidity	15% to 95% @ 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max

Technical Specifications

Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 5.0 Bel Sound Pressure, LpAm (Bystander) = 34.0 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	JL086A PSU: 100V-240V JL087A PSU: 110V-240V
Current	JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A
80plus.org Certification	JL086A PSU: Gold JL087A PSU: Platinum
Maximum heat dissipation BTU/hr and kj/hr info needed	249 BTU/hr 263 kj/hr
Power Consumption (230 VAC)	With JL086A PSU: Idle: 60W 100% Traffic Rate: 76W With JL087A PSU: Hibernation (0 rpm fan): 17W Idle: 59W 100% Traffic Rate: 74W
Safety	Europe: EN 62368-1:2014+A11:2017 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

Technical Specifications

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
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)
Immunity	
Generic	CISPR 35: 2016
EN	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC 61000-3-2, EN 61000-3-2
Flicker	IEC 61000-3-3, EN 61000-3-3
RoHS	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.

Technical Specifications

HPE Aruba Networking 6200M 36G 12SR5 Class6 PoE 4SFP+ Switch (R8Q71A)	
Specifications	
Description	36x ports 10/100/1000BASE-T Class 6 PoE Ports, supporting up to 60W per port 12x ports SmartRate 1G/2.5G/5G BaseT Class 6 PoE ports supporting up to 60W per port 4x 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
Fans	Switch has two fan tray slots; Switch includes one fan ~~tray~~. – Min 1 fan tray required. Optional second fan tray ordered separately. – Fan trays are field replaceable and 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")
Configuration Weight	6.31 kg (13.91 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	6 MB
Performance	
Model Switching Capacity	272 Gbps
Model Throughput Capacity	Up to 202 Mpps

Technical Specifications

Average Latency (LIFO-64-bytes packets)	1Gbps: 3.6µSec 10Gbps: 2.9µSec
Stack Size	8 members (with other 24/48p 6200F and 6200M switches only; No stacking support with 12p 6200F switches)
Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	256
IPv4 Host Table (ARP)	8,000
IPv6 Host Table (ND)	8,000
IPv4 Unicast Routes	2,000
IPv6 Unicast Routes	2,000
MAC Table Capacity	32,768
IGMP Groups	1,000
MLD Groups	1,000
IPv4/IPv6/MAC ACL Entries (ingress)	1,000/1,000/1,000
IPv4/IPv6/MAC ACL Entries (egress)	512/256/512
Environment	
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft; derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Operating Relative Humidity	15% to 95% @ 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 4.9 Bel Sound Pressure, LpAm (Bystander) = 33.0 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	JL086A PSU: 100V-240V JL087A PSU: 110V-240V
Current	JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A
80plus.org Certification	JL086A PSU: Gold JL087A PSU: Platinum
Maximum heat dissipation BTU/hr and kj/hr info needed	328 BTU/hr 346 kj/hr

Technical Specifications

Power Consumption (230 VAC)	With JL086A PSU: Idle: 60W 100% Traffic Rate: 76W With JL087A PSU: Hibernation (0 rpm fan): 17W Idle: 59W 100% Traffic Rate: 74W
Safety	Europe: EN 62368-1:2014+A11:2017 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
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)
Immunity	
Generic	CISPR 35: 2016
EN	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4

Technical Specifications

Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC 61000-3-2, EN 61000-3-2
Flicker	IEC 61000-3-3, EN 61000-3-3
RoHS	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.

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

Specifications	
Description	24x ports 10/100/1000BASE-T Ports 4x 1G/10G SFP ports (2x LRM; 2x LRM/MACsec 256) 1x RJ-45 Console Port 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port
Power supplies	2 field-replaceable, 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 – Min 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")
Configuration Weight	5.59 kg (12.32 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	6 MB

Technical Specifications

Performance	
Model Switching Capacity	128 Gbps
Model Throughput Capacity	Up to 95.2 Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 2.28µSec 10Gbps: 1.46µSec
Stack Size	8 members (with other 24/48p 6200F and 6200M switches only; No stacking support with 12p 6200F switches)
Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	128
IPv4 Host Table (ARP)	8,000
IPv6 Host Table (ND)	8,000
IPv4 Unicast Routes	2,000
IPv6 Unicast Routes	2,000
MAC Table Capacity	32,768
IGMP Groups	1,000
MLD Groups	1,000
IPv4/IPv6/MAC ACL Entries (ingress)	1,000/1,000/1,000
IPv4/IPv6/MAC ACL Entries (egress)	512/256/512
Environment	
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Operating Relative Humidity	15% to 95% @ 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 4.9 Bel Sound Pressure, LpAm (Bystander) = 32.5 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	JL085A PSU: 100V-240V
Current	JL085A PSU: 3A/1.2A
80plus.org Certification	JL085A PSU: 80plus Gold

Technical Specifications

Maximum heat dissipation BTU/hr and kj/hr info needed	201 BTU/hr 212 kJ/hr
Power Consumption (230 VAC)	With JL085A PSU: Idle: 56W 100% Traffic Rate: 75W
Safety	Europe: EN 62368-1:2014 +A11:2017 2nd Ed. EN 62368-1:2020 +A11:2020 3rd Ed. UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US/Canada: UL 62368-1 3rd Ed. CSA-C22.2 No. 62368-1 3rd Ed. Worldwide: IEC 60950-1:2005 + Am1:2009 + Am2:2013 w/all known National Deviations IEC 62368-1:2014 2nd Ed. w/all known National Deviations IEC 62368-1:2018 3rd Ed. w/all known National Deviations Taiwan: CNS 15598-1:2020
Emissions	Europe: EN 55032:2015 +A11:2020, Class A EN 55035:2017 +A11:2020 EN 61000-3-2:2019 EN 61000-3-3:2013/A1:2019 US: FCC 47 CFR part 15B:2014, Class A Canada: ICES-003 Class A Worldwide: VCCI Class A CISPR 32 Ed 2.1: 2019 Class A CISPR 35 Ed 1.0:2016
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)
Immunity	
Generic	CISPR 35
EN	EN 55035:2017 +A11:2020

Technical Specifications

ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC 61000-3-2, EN 61000-3-2
Flicker	IEC 61000-3-3, EN 61000-3-3
Mounting and Enclosure	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.

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

Specifications	
Description	24x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 1G/10G SFP ports (2x LRM; 2x LRM/MACsec 256) Supports PoE Standards IEEE 802.3af, 802.3at 1x RJ-45 Console Port 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port
Power supplies	2 field-replaceable, hot swappable power supply slots 1 minimum power supply required (ordered separately) Supported PSUs JL086A JL087A Max PoE Power: 740W
Fans	Switch has two fan tray slots; Switch includes one fan tray. – Min 1 fan tray required. Optional second fan tray ordered separately. – Fan trays are field replaceable and hot swappable. – Each fan tray contains two fans.

Technical Specifications

Physical characteristics	
Dimensions	(H) 4.4 cm x (W) 44.2 cm x (D) 38.5 cm (1.73" x 17.4" x 15.2")
Configuration Weight	5.83 kg (12.85 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	6 MB
Performance	
Model Switching Capacity	128 Gbps
Model Throughput Capacity	Up to 95.2 Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 2.28µSec 10Gbps: 1.46µSec
Stack Size	8 members (with other 24/48p 6200F and 6200M switches only; No stacking support with 12p 6200F switches)
Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	128
IPv4 Host Table (ARP)	8,000
IPv6 Host Table (ND)	8,000
IPv4 Unicast Routes	2,000
IPv6 Unicast Routes	2,000
MAC Table Capacity	32,768
IGMP Groups	1,000
MLD Groups	1,000
IPv4/IPv6/MAC ACL Entries (ingress)	1,000/1,000/1,000
IPv4/IPv6/MAC ACL Entries (egress)	512/256/512
Environment	
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Operating Relative Humidity	15% to 95% @ 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max

Technical Specifications

Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 5.0 Bel Sound Pressure, LpAm (Bystander) = 32.8 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	JL086A PSU: 100V-240V JL087A PSU: 110V-240V
Current	JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A
80plus.org Certification	JL086A PSU: Gold JL087A PSU: Platinum
Maximum heat dissipation BTU/hr and kj/hr info needed	222 BTU/hr 234 kJ/hr
Power Consumption (230 VAC)	With JL086A PSU: Idle: 60W 100% Traffic Rate: 76W With JL087A PSU: Idle: 59W 100% Traffic Rate: 74W
Safety	Europe: EN 62368-1:2014 +A11:2017 2nd Ed. EN 62368-1:2020 +A11:2020 3rd Ed. UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US/Canada: UL 62368-1 3rd Ed. CSA-C22.2 No. 62368-1 3rd Ed. Worldwide: IEC 60950-1:2005 + Am1:2009 + Am2:2013 w/all known National Deviations IEC 62368-1:2014 2nd Ed. w/all known National Deviations IEC 62368-1:2018 3rd Ed. w/all known National Deviations Taiwan: CNS 15598-1:2020

Technical Specifications

Emissions	Europe: EN 55032:2015 +A11:2020, Class A EN 55035:2017 +A11:2020 EN 61000-3-2:2019 EN 61000-3-3:2013/A1:2019 US: FCC 47 CFR part 15B:2014, Class A Canada: ICES-003 Class A Worldwide: VCCI Class A CISPR 32 Ed 2.1: 2019 Class A CISPR 35 Ed 1.0:2016
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)
Immunity	
Generic	CISPR 35
EN	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC 61000-3-2, EN 61000-3-2
Flicker	IEC 61000-3-3, EN 61000-3-3
Mounting and Enclosure	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.

Technical Specifications

HPE Aruba Networking 6200M 48G 4SFP+ TAA Switch (R8V10A)	
Specifications	
Description	48x ports 10/100/1000BASE-T Ports 4x 1G/10G SFP ports (2x LRM; 2x LRM/MACsec 256) 1x RJ-45 Console Port 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port
Power supplies	2 field-replaceable, 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. – Min 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")
Configuration Weight	5.73 kg (12.63 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	6 MB
Performance	
Model Switching Capacity	176 Gbps
Model Throughput Capacity	Up to 202 Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 2.28µSec 10Gbps: 1.46µSec
Stack Size	8 members (with other 24/48p 6200F and 6200M switches only; No stacking support with 12p 6200F switches)
Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	128
IPv4 Host Table (ARP)	8,000
IPv6 Host Table (ND)	8,000
IPv4 Unicast Routes	2,000
IPv6 Unicast Routes	2,000
MAC Table Capacity	32,768

Technical Specifications

IGMP Groups	1,000
MLD Groups	1,000
IPv4/IPv6/MAC ACL Entries (ingress)	1,000/1,000/1,000
IPv4/IPv6/MAC ACL Entries (egress)	512/256/512
Environment	
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Operating Relative Humidity	15% to 95% @ 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 4.9 Bel Sound Pressure, LpAm (Bystander) = 33.0 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	JL085A PSU: 100V-240V
Current	JL085A PSU: 3A/1.2A
80plus.org Certification	JL085A PSU: 80plus Gold
Maximum heat dissipation BTU/hr and kj/hr info needed	232 BTU/hr 245 kJ/hr
Power Consumption (230 VAC)	With JL085A PSU: Idle: 56W 100% Traffic Rate: 75W
Safety	Europe: EN 62368-1:2014 +A11:2017 2nd Ed. EN 62368-1:2020 +A11:2020 3rd Ed. UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US/Canada: UL 62368-1 3rd Ed. CSA-C22.2 No. 62368-1 3rd Ed. Worldwide: IEC 60950-1:2005 + Am1:2009 + Am2:2013 w/all known National Deviations

Technical Specifications

	IEC 62368-1:2014 2nd Ed. w/all known National Deviations IEC 62368-1:2018 3rd Ed. w/all known National Deviations Taiwan: CNS 15598-1:2020
Emissions	Europe: EN 55032:2015 +A11:2020, Class A EN 55035:2017 +A11:2020 EN 61000-3-2:2019 EN 61000-3-3:2013/A1:2019 US: FCC 47 CFR part 15B:2014, Class A Canada: ICES-003 Class A Worldwide: VCCI Class A CISPR 32 Ed 2.1: 2019 Class A CISPR 35 Ed 1.0:2016
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)
Immunity	
Generic	CISPR 35
EN	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC 61000-3-2, EN 61000-3-2
Flicker	IEC 61000-3-3, EN 61000-3-3
Mounting and Enclosure	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.

Technical Specifications

HPE Aruba Networking 6200M 48G Class4 PoE 4SFP+ TAA Switch (R8V11A)	
Specifications	
Description	48x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 1G/10G SFP ports (2x LRM; 2x LRM/MACsec 256) Supports PoE Standards IEEE 802.3af, 802.3at 1x RJ-45 Console Port 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port
Power supplies	2 field-replaceable, 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~~. – Min 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")
Configuration Weight	6.15 kg (13.56 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	6 MB
Performance	
Model Switching Capacity	176 Gbps
Model Throughput Capacity	Up to 202 Mpps
Average Latency (LIFO-64-bytes packets)	1 Gbps: 2.28µSec 10Gbps: 1.46µSec
Stack Size	8 members (with other 24/48p 6200F and 6200M switches only; No stacking support with 12p 6200F switches)
Max. Stacking Distance	Up to 10 kms with long range transceivers

Technical Specifications

Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	128
IPv4 Host Table (ARP)	8,000
IPv6 Host Table (ND)	8,000
IPv4 Unicast Routes	2,000
IPv6 Unicast Routes	2,000
MAC Table Capacity	32,768
IGMP Groups	1,000
MLD Groups	1,000
IPv4/IPv6/MAC ACL Entries (ingress)	1,000/1,000/1,000
IPv4/IPv6/MAC ACL Entries (egress)	512/256/512
Environment	
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Operating Relative Humidity	15% to 95% @ 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 4.9 Bel Sound Pressure, LpAm (Bystander) = 32.7 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	JL086A PSU: 100V-240V JL087A PSU: 110V-240V
Current	JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A
80plus.org Certification	JL086A PSU: Gold JL087A PSU: Platinum
Maximum heat dissipation BTU/hr and kj/hr info needed	260 BTU/hr 274 kJ/hr
Power Consumption (230 VAC)	With JL086A PSU: Idle: 60W 100% Traffic Rate: 76W With JL087A PSU: Hibernation (0 rpm fan): 17W

Technical Specifications

	Idle: 59W 100% Traffic Rate: 74W
Safety	Europe: EN 62368-1:2014 +A11:2017 2nd Ed. EN 62368-1:2020 +A11:2020 3rd Ed. UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US/Canada: UL 62368-1 3rd Ed. CSA-C22.2 No. 62368-1 3rd Ed. Worldwide: IEC 60950-1:2005 + Am1:2009 + Am2:2013 w/all known National Deviations IEC 62368-1:2014 2nd Ed. w/all known National Deviations IEC 62368-1:2018 3rd Ed. w/all known National Deviations Taiwan: CNS 15598-1:2020
Emissions	Europe: EN 55032:2015 +A11:2020, Class A EN 55035:2017 +A11:2020 EN 61000-3-2:2019 EN 61000-3-3:2013/A1:2019 US: FCC 47 CFR part 15B:2014, Class A Canada: ICES-003 Class A Worldwide: VCCI Class A CISPR 32 Ed 2.1: 2019 Class A CISPR 35 Ed 1.0:2016
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)
Immunity	
Generic	CISPR 35
EN	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4

Technical Specifications

Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC 61000-3-2, EN 61000-3-2
Flicker	IEC 61000-3-3, EN 61000-3-3
Mounting and Enclosure	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.

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

Specifications	
Description	36x ports 10/100/1000BASE-T Class 6 PoE Ports, supporting up to 60W per port 12x ports SmartRate 1G/2.5G/5G BaseT Class 6 PoE ports supporting up to 60W per port 4x 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
Fans	Switch has two fan tray slots; Switch includes one fan tray. – Min 1 fan tray required. Optional second fan tray ordered separately. – Fan trays are field replaceable and hot swappable. – Each fan tray contains two fans.

Technical Specifications

Physical characteristics	
Dimensions	(H) 4.4 cm x (W) 44.2 cm x (D) 38.5 cm (1.73" x 17.4" x 15.2")
Configuration Weight	6.31 kg (13.91 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	6 MB
Performance	
Model Switching Capacity	272 Gbps
Model Throughput Capacity	Up to 202Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 2.28µSec 10Gbps: 1.46µSec
Stack Size	8 members (with other 24/48p 6200F and 6200M switches only; No stacking support with 12p 6200F switches)
Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	128
IPv4 Host Table (ARP)	8,000
IPv6 Host Table (ND)	8,000
IPv4 Unicast Routes	2,000
IPv6 Unicast Routes	2,000
MAC Table Capacity	32,768
IGMP Groups	1,000
MLD Groups	1,000
IPv4/IPv6/MAC ACL Entries (ingress)	1,000/1,000/1,000
IPv4/IPv6/MAC ACL Entries (egress)	512/256/512
Environment	
Operating Temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time.
Operating Relative Humidity	15% to 95% @ 104°F (40°C) non-condensing
Non-Operating	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
Non-Operating Storage Relative Humidity	15% to 90% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max

Technical Specifications

Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 5.3 Bel Sound Pressure, LpAm (Bystander) = 37.1 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	JL086A PSU: 100V-240V JL087A PSU: 110V-240V
Current	JL086A PSU: 8A/3.5A JL087A PSU: 12A/5A
80plus.org Certification	JL086A PSU: Gold JL087A PSU: Platinum
Maximum heat dissipation BTU/hr and kj/hr info needed	260 BTU/hr 274 kJ/hr
Power Consumption (230 VAC)	With JL086A PSU: Idle: 60W 100% Traffic Rate: 76W With JL087A PSU: Hibernation (0 rpm fan): 17W Idle: 59W 100% Traffic Rate: 74W
Safety	Europe: EN 62368-1:2014 +A11:2017 2nd Ed. EN 62368-1:2020 +A11:2020 3rd Ed. UK: BS EN 62368-1:2014 + A11:2017 2nd Ed BS EN 62368-1:2020 + A11:2020 3rd Ed US/Canada: UL 62368-1 3rd Ed. CSA-C22.2 No. 62368-1 3rd Ed. Worldwide: IEC 60950-1:2005 + Am1:2009 + Am2:2013 w/all known National Deviations IEC 62368-1:2014 2nd Ed. w/all known National Deviations IEC 62368-1:2018 3rd Ed. w/all known National Deviations Taiwan: CNS 15598-1:2020

Technical Specifications

Emissions	Europe: EN 55032:2015 +A11:2020, Class A EN 55035:2017 +A11:2020 EN 61000-3-2:2019 EN 61000-3-3:2013/A1:2019 US: FCC 47 CFR part 15B:2014, Class A Canada: ICES-003 Class A Worldwide: VCCI Class A CISPR 32 Ed 2.1: 2019 Class A CISPR 35 Ed 1.0:2016
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)
Immunity	
Generic	CISPR 35
EN	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC 61000-3-2, EN 61000-3-2
Flicker	IEC 61000-3-3, EN 61000-3-3
Mounting and Enclosure	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.

HPE Aruba Networking CX 6200F 24G 4SFP+ Switch (JL724A)

Description	24x ports 10/100/1000BASE-T Ports 4x 1/10G SFP ports 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port 1x Bluetooth Adapter to be used with HPE Aruba Networking CX Mobile App
Power supplies	Fixed power supply

Technical Specifications

Fans	Fixed fans	
Physical characteristics	**Dimensions**	(H) 4.39 cm x (W) 44.2 cm x (D) 32.7 cm (1.73"" x 17.4"" x 12.9"")
	Weight	4.36 kg (9.61 lbs)
CPU	Quad Core ARM Cortex™ A72 @ 1.8 GHz	
Memory and Flash	8 GB DDR4 16 GB eMMC	
Packet buffer	8 MB (6 MB + 2 MB)	
Performance	**Model switching capacity**	128 Gbps
	Model throughput capacity	Up to 95.2 Mpps
	Average latency (LIFO-64-bytes packets)	1 Gbps: 2.28 µSec 10 Gbps: 1.46 µSec
	Stack size	8 members
	Max. stacking distance	Up to 10 kms with long range transceivers
	Stacking Bandwidth	40 Gbps
	Switched virtual interfaces (dual stack)	128
	IPv4 host table (ARP)	8,192
	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)	5,120/1280/5,120
	IPv4/IPv6/MAC ACL entries (egress)	2,048/512/2,048
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C) up to 5,000 ft; derate -1°C for every 1,000 ft from 5,000 to 10,000 ft

Technical Specifications

	Operating relative humidity	15% to 95% @ 104°F (40°C) non-condensing
	Non-operating temperature	-40°F to 158°F (-40°C to 70°C) up to 15,000 ft
	Non-operating relative humidity	15% to 90% @ 149°F (65°C) non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	15,000 feet (4.6 km) max
	Acoustics	Sound power, LWAd = 4.9 Bel Sound pressure, LpAm (bystander) = 32.5 dB
	Primary airflow	Front and side-to-back
Electrical characteristics	**Frequency**	50Hz/60Hz
	AC voltage	100-120V/200-240V
	Current	2.5A/1.4A
	80plus.org certification	80 PLUS Silver
	Power consumption (230 VAC)	Hibernation (0 rpm fan): 7W Idle: 49W 100% traffic rate: 59W
Safety	Europe: EN 62368-1:2014 +A11:2017 EN 62368-1:2020 +A11:2020 USA: 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	

Technical Specifications

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: 2021, 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 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)	
Immunity	**Generic**	CISPR 35: 2016
	EN	EN 55035:2017 / A11:2020
	ESD	EN 61000-4-2
	Radiated	EN 61000-4-3
	EFT/Burst	EN 61000-4-4
	Surge	EN 61000-4-5
	Conducted	EN 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	EN 61000-4-11
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
RoHS	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.	

Technical Specifications

HPE Aruba Networking 6200F 12G Class4 PoE 2G/2SFP+ 139W Switch (R8Q72A)		
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; PHYless Supports PoE Standards IEEE 802.3af, 802.3at 1x RJ-45 Console Port 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port	
Power supplies	Fixed power supply - Up to 139W of Class 4 PoE power	
Fans	Fanless	
Physical characteristics	**Dimensions**	(H) 4.39 cm x (W) 25.4 cm x (D) 30.6 cm (1.73"" x 10.0"" x 12.0"")
	Weight	3.24 kg (7.14 lbs)
CPU	Quad Core ARM Cortex™ A72 @ 1.2 GHz	
Memory and Flash	8 GB DDR4 16 GB eMMC	
Packet buffer	6 MB	
Performance	**Model switching capacity**	68 Gbps
	Model throughput capacity	Up to 45.1 Mpps
	Average latency (LIFO-64-bytes packets)	1 Gbps: 5.9 µSec 10 Gbps: 4.2 µSec
	Stack size	8 members (with other 12p 6200F switches only; No stacking support with 24/48p 6200F or 6200M switches)
	Max. stacking distance	Up to 10 kms with long range transceivers
	Stacking Bandwidth	Up to 20 Gbps
	Switched virtual interfaces (dual stack)	128

Technical Specifications

	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	768
	MLD groups	768
	IPv4/IPv6/MAC ACL entries (ingress)	5,120/1280/5,120
	IPv4/IPv6/MAC ACL entries (egress)	2,048/512/2,048
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C) up to 5,000 ft; derate 1°C for every 1,000 ft from 5,000 ft to 10,000 ft.
	Operating relative humidity	5% to 95% @ 104°F (40°C) non-condensing
	Non-operating temperature	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
	Non-operating relative humidity	5% to 95% @ 149°F (65°C) non-condensing
	Max operating altitude	10,000 feet (3.048 km) Max
	Max non-operating altitude	15,000 feet (4.6 km) Max
	Acoustics	Sound Power, LWAd = 5.0 Sound Pressure, LpAm (Bystander) = 32.8
	Primary airflow	-
Electrical characteristics	**Frequency**	50Hz/60Hz
	AC voltage	90 - 264 VAC, rated
	Current	2.6A/1.3A
	80plus.org Certification	-
	Maximum heat dissipation BTU/hr and kJ/hr	96 BTU/hr 101 kj/hr
	Power consumption (230 VAC)	Idle: 23W 100% Traffic Rate: 28W
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products /Laser Klasse 1 (Applicable for accessories -Optical Transceivers only)	
Immunity	**Generic**	CISPR 35: 2016
	EN	EN 55035:2017 / A11:2020
	ESD	EN 61000-4-2
	Radiated	EN 61000-4-3
	EFT/Burst	EN 61000-4-4
	Surge	EN 61000-4-5
	Conducted	EN 61000-4-6

Technical Specifications

	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	EN 61000-4-11
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
RoHS	EN 63000:2018 / IEC 63000:2018	
Mounting and Enclosure	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. (rack mounting kit included); horizontal surface mounting; wall mounting Kensington Security Slot	

HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP+ 370W Switch (JL725A)

Description	24x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 1/10G SFP ports Supports PoE Standards IEEE 802.3af, 802.3at 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port 1x Bluetooth Adapter to be used with HPE Aruba Networking CX Mobile App	
Power supplies	Fixed power supply - Up to 370W of Class 4 PoE power	
Fans	Fixed fans	
Physical characteristics	**Dimensions**	(H) 4.39 cm x (W) 44.2 cm x (D) 32.7 cm (1.73"" x 17.4"" x 12.9"")
	Weight	4.90 kg (10.80 lbs)
CPU	Quad Core ARM Cortex™ A72 @ 1.8 GHz	
Memory and Flash	8 GB DDR4 16 GB eMMC	
Packet buffer	8 MB (6 MB + 2 MB)	
Performance	**Model switching capacity**	128 Gbps
	Model throughput capacity	Up to 95.2 Mpps
	Average latency (LIFO-64-bytes packets)	1 Gbps: 2.28 µSec 10 Gbps: 1.46 µSec
	Stack size	8 members using 10G SFP ports
	Max. stacking distance	Up to 10 kms with long range transceivers
	Switched virtual interfaces (dual stack)	128
	IPv4 host table (ARP)	8,192
	IPv6 host table (ND)	8,192
	IPv4 unicast routes	2,048
	IPv6 unicast routes	1,024
	MAC table capacity	32,768
	IGMP groups	1,024
	MLD groups	1,024

Technical Specifications

	IPv4/IPv6/MAC ACL entries (ingress)	5,120/1280/5,120
	IPv4/IPv6/MAC ACL entries (egress)	2,048/512/2,048
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C) up to 5,000 ft derate -1°C for every 1000 ft from 5,000 ft to 10,000 ft.
	Operating relative humidity	5% to 95% @ 104°F (40°C) non-condensing
	Non-operating temperature	-40°F to 158°F (-40°C to 70°C) up to 15000 ft
	Non-operating relative humidity	5% to 95% @ 149°F (65°C) non-condensing
	Max operating altitude	10,000 feet (3.048 km) Max
	Max non-operating altitude	15,000 feet (4.6 km) Max
	Acoustics	Sound Power, LWAd = 5.0 Sound Pressure, LpAm (Bystander) = 32.8
	Primary airflow	Front and side to back
Electrical characteristics	**Frequency**	50Hz/60Hz
	AC voltage	100-120V/200-240V
	Current	7.5A/3.5A
	Power consumption (230 VAC)	Hibernation (0 rpm fan): 9W Idle: 54W 100% traffic rate: 65W
Safety	Europe: EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013 EN 62368-1:2014 +A11:2017 US: UL 60950-1 2nd Ed. Canada: CAN/CSA-C22.2 No. 60950-1-07 Worldwide: IEC 60950-1:2005 w/all known National Deviations IEC 62368-1:2014 2nd Ed. Taiwan: CNS-14336-1	
Emissions	Europe: EN 55032:2015 +AC:2016, Class A EN 55024:2010 EN 55035:2017 EN 61000-3-2:2014 EN 61000-3-3:2013 US: FCC 47 CFR part 15B, Class A	

Technical Specifications

	Canada: ICES-003 Class A Worldwide: VCCI Class A CISPR 32 Ed 2.0: 2015 + COR1:2016, Class A CISPR 24:2010 CISPR 35:2016	
Lasers	EN 60825-1:2007 / IEC 60825-1:2007 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)	
Immunity	**Generic**	CISPR 35: 2016
	EN	EN 55035:2017 / A11:2020
	ESD	EN 61000-4-2
	Radiated	EN 61000-4-3
	EFT/Burst	EN 61000-4-4
	Surge	EN 61000-4-5
	Conducted	EN 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	EN 61000-4-11
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
RoHS	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.	

Technical Specifications

HPE Aruba Networking CX 6200F 48G 4SFP+ Switch (JL726A)		
Description	48x ports 10/100/1000BASE-T Ports 4x 1/10G SFP ports 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port 1x Bluetooth Adapter to be used with HPE Aruba Networking CX Mobile App	
Power supplies	Fixed power supply	
Fans	Fixed fans	
Physical characteristics	**Dimensions**	(H) 4.39 cm x (W) 44.2 cm x (D) 32.7 cm (1.73"" x 17.4"" x 12.9"")
	Weight	4.45 kg (9.81 lbs)
CPU	Quad Core ARM Cortex™ A72 @ 1.8 GHz	
Memory and Flash	8 GB DDR4 16 GB eMMC	
Packet buffer	8 MB (6 MB + 2 MB)	
Performance	**Model switching capacity**	176 Gbps
	Model throughput capacity	Up to 130.9Mpps
	Average latency (LIFO-64-bytes packets)	1 Gbps: 2.28 µSec 10 Gbps: 1.46 µSec
	Stack size	8 members using 10G SFP ports
	Max. stacking distance	Up to 10 kms with long range transceivers
	Switched virtual interfaces (dual stack)	128
	IPv4 host table (ARP)	8,192
	IPv6 host table (ND)	8,192
	IPv4 unicast routes	2,048
	IPv6 unicast routes	1,024
	MAC table capacity	32,768
	IGMP groups	1,024
	MLD groups	1,024
	IPv4/IPv6/MAC ACL entries (ingress)	5,120/1280/5,120
	IPv4/IPv6/MAC ACL entries (egress)	2,048/512/2,048

Technical Specifications

Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C) up to 5,000 ft; derate -1°C for every 1,000 ft from 5,000 to 10,000 ft
	Operating relative humidity	15% to 95% @ 104°F (40°C) non-condensing
	Non-operating temperature	-40°F to 158°F (-40°C to 70°C) up to 15,000 ft
	Non-operating relative humidity	15% to 90% @ 149°F (65°C) non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	15,000 feet (4.6 km) max
	Acoustics	Sound power, LWAd = 4.9 Bel Sound pressure, LpAm (bystander) = 33.0 dB
	Primary airflow	Front and side-to-back
Electrical characteristics	**Frequency**	50Hz/60Hz
	AC voltage	100-120V/200-240V
	Current	2.5A/1.4A
	80plus.org certification	80 PLUS Silver
	Power consumption (230 VAC)	Hibernation (0 rpm fan): 7W Idle: 55W 100% traffic rate: 68W
Safety	Europe: EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013 EN 62368-1:2014 +A11:2017 US: UL 60950-1 2nd Ed. Canada: CAN/CSA-C22.2 No. 60950-1-07 Worldwide: IEC 60950-1:2005 w/all known National Deviations IEC 62368-1:2014 2nd Ed. Taiwan: CNS-14336-1	
Emissions	Europe: EN 55032:2015 +AC:2016, Class A EN 55024:2010 EN 55035:2017 EN 61000-3-2:2014 EN 61000-3-3:2013 US: FCC 47 CFR part 15B, Class A Canada: ICES-003 Class A	

Technical Specifications

	Worldwide: VCCI Class A CISPR 32 Ed 2.0: 2015 + COR1:2016, Class A CISPR 24:2010 CISPR 35:2016	
Lasers	EN 60825-1:2007 / IEC 60825-1:2007 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)	
Immunity	**Generic**	CISPR 35: 2016
	EN	EN 55035:2017 / A11:2020
	ESD	EN 61000-4-2
	Radiated	EN 61000-4-3
	EFT/Burst	EN 61000-4-4
	Surge	EN 61000-4-5
	Conducted	EN 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	EN 61000-4-11
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
RoHS	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.	

HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP+ 370W Switch (JL727A)

Description	48x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 1/10G SFP ports Supports PoE Standards IEEE 802.3af, 802.3at 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port 1x Bluetooth Adapter to be used with HPE Aruba Networking CX Mobile App
Power supplies	Fixed power supply Up to 370W of Class 4 PoE power
Fans	Fixed fans

Technical Specifications

Physical characteristics	**Dimensions**	(H) 4.39 cm x (W) 44.2 cm x (D) 32.7 cm (1.73"" x 17.4"" x 12.9"")
	Weight	5.05 kg (11.13 lbs)
CPU	Quad Core ARM Cortex™ A72 @ 1.8 GHz	
Memory and Flash	8 GB DDR4 16 GB eMMC	
Packet buffer	8 MB (6 MB + 2 MB)	
Performance	**Model switching capacity**	176 Gbps
	Model throughput capacity	Up to 202Mpps
	Average latency (LIFO-64-bytes packets)	1 Gbps: 2.28 µSec 10 Gbps: 1.46 µSec
	Stack size	8 members using 10G SFP ports
	Max. stacking distance	Up to 10 kms with long range transceivers
	Switched virtual interfaces (dual stack)	128
	IPv4 host table (ARP)	8,192
	IPv6 host table (ND)	8,192
	IPv4 unicast routes	2,048
	IPv6 unicast routes	1,024
	MAC table capacity	32,768
	IGMP groups	1,024
	MLD groups	1,024
	IPv4/IPv6/MAC ACL entries (ingress)	5,120/1280/5,120
	IPv4/IPv6/MAC ACL entries (egress)	2,048/512/2,048
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C) up to 5,000 ft - derate -1°C for every 1,000 ft from 5,000 to 10,000 ft
	Operating relative humidity	15% to 95% @ 104°F (40°C) non-condensing
	Non-operating temperature	-40°F to 158°F (-40°C to 70°C) up to 15,000 ft
	Non-operating relative humidity	15% to 90% @ 149°F (65°C) non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	15,000 feet (4.6 km) max
	Acoustics	Sound power, LWAd = 4.9 Bel Sound pressure, LpAm (bystander) = 32.7 dB
	Primary airflow	Front and side-to-back

Technical Specifications

Electrical characteristics	**Frequency**	50Hz/60Hz
	AC voltage	100-120V/200-240V
	Current	7.5A/3.5A
	Maximum heat dissipation BTU/hr and kJ/hr info needed	260 BTU/hr 274 kJ/hr
		260 BTU/hr 274 kJ/hr
	Power consumption (230 VAC)	Hibernation (0 rpm fan): 10W Idle: 60W 100% traffic rate: 76W
Safety	Europe: EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013 EN 62368-1:2014 +A11:2017 US: UL 60950-1 2nd Ed. Canada: CAN/CSA-C22.2 No. 60950-1-07 Worldwide: IEC 60950-1:2005 w/all known National Deviations IEC 62368-1:2014 2nd Ed. Taiwan: CNS-14336-1	
Emissions	Europe: EN 55032:2015 +AC:2016, Class A EN 55024:2010 EN 55035:2017 EN 61000-3-2:2014 EN 61000-3-3:2013 US: FCC 47 CFR part 15B, Class A Canada: ICES-003 Class A Worldwide: VCCI Class A CISPR 32 Ed 2.0: 2015 + COR1:2016, Class A CISPR 24:2010 CISPR 35:2016	

Technical Specifications

Lasers	EN 60825-1:2007 / IEC 60825-1:2007 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)	
Immunity	**Generic**	CISPR 35
	EN	EN 55035:2017
	ESD	EN 61000-4-2
	Radiated	EN 61000-4-3
	EFT/Burst	EN 61000-4-4
	Surge	EN 61000-4-5
	Conducted	EN 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	EN 61000-4-11
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
Mounting and Enclosure	Mounts in an EIA-standard 19 in. Telco rack or equipment cabinet. Horizontal surface mounting only. 2-post rack kit included.	

HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP+ 740W Switch (JL728A)

Description	48x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 1/10G SFP ports Supports PoE Standards IEEE 802.3af, 802.3at 1x USB-C Console Port 1x OOBM 1x USB Type-A Host port 1x Bluetooth Adapter to be used with HPE Aruba Networking CX Mobile App	
Power supplies	Fixed power supply Up to 740W of Class 4 PoE power	
Fans	Fixed fans	
Physical characteristics	**Dimensions**	(H) 4.39 cm x (W) 44.2 cm x (D) 32.7 cm (1.73"" x 17.4"" x 12.9"")
	Weight	5.10 kg (11.24 lbs)
CPU	Quad Core ARM Cortex™ A72 @ 1.8 GHz	
Memory and Flash	8 GB DDR4 16 GB eMMC	
Packet buffer	8 MB (6 MB + 2 MB)	

Technical Specifications

Performance	**Model switching capacity**	176 Gbps
	Model throughput capacity	Up to 202Mpps
	Average latency (LIFO-64-bytes packets)	1 Gbps: 2.28 µSec 10 Gbps: 1.46 µSec
	Stack size	8 members using 10G SFP ports
	Max. stacking distance	Up to 10 kms with long range transceivers
	Switched virtual interfaces (dual stack)	128
	IPv4 host table (ARP)	8,192
	IPv6 host table (ND)	8,192
	IPv4 unicast routes	2,048
	IPv6 unicast routes	1,024
	MAC table capacity	32,768
	IGMP groups	1,024
	MLD groups	1,024
	IPv4/IPv6/MAC ACL entries (ingress)	5,120/1280/5,120
	IPv4/IPv6/MAC ACL entries (egress)	2,048/512/2,048
Environment	**Operating temperature**	32°F to 113°F (0°C to 45°C) up to 5,000 ft - derate -1°C for every 1,000 ft from 5,000 to 10,000 ft
	Operating relative humidity	15% to 95% @ 104°F (40°C) non-condensing
	Non-operating temperature	-40°F to 158°F (-40°C to 70°C) up to 15,000 ft
	Non-operating relative humidity	15% to 90% @ 149°F (65°C) non-condensing
	Max operating altitude	Up to 10,000ft (3.048 Km)
	Max non-operating altitude	15,000 feet (4.6 km) max
	Acoustics	Sound power, LWAd = 5.3 Bel Sound pressure, LpAm (bystander) = 37.1 dB
	Primary airflow	Front and side-to-back
Electrical characteristics	**Frequency**	50Hz/60Hz
	AC voltage	100-120V/200-240V
	Current	11A/6A
	80plus.org certification	80 PLUS Gold
	Power consumption (230 VAC)	Hibernation (0 rpm fan): 12W Idle: 62W 100% traffic rate: 76W

Technical Specifications

Safety	Europe: EN 60950-1:2006 +A11:2009 +A1:2010 +A12:2011 + A2:2013 EN 62368-1:2014 +A11:2017 US: UL 60950-1 2nd Ed. Canada: CAN/CSA-C22.2 No. 60950-1-07 Worldwide: IEC 60950-1:2005 w/all known National Deviations IEC 62368-1:2014 2nd Ed. Taiwan: CNS-14336-1
Emissions	Europe: EN 55032:2015 +AC:2016, Class A EN 55024:2010 EN 55035:2017 EN 61000-3-2:2014 EN 61000-3-3:2013 US: FCC 47 CFR part 15B, Class A Canada: ICES-003 Class A Worldwide: VCCI Class A CISPR 32 Ed 2.0: 2015 + COR1:2016, Class A CISPR 24:2010 CISPR 35:2016
Lasers	EN 60825-1:2007 / IEC 60825-1:2007 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)

Technical Specifications

Immunity	**Generic**	CISPR 35
	EN	EN 55035:2017
	ESD	EN 61000-4-2
	Radiated	EN 61000-4-3
	EFT/Burst	EN 61000-4-4
	Surge	EN 61000-4-5
	Conducted	EN 61000-4-6
	Power frequency magnetic field	IEC 61000-4-8
	Voltage dips and interruptions	EN 61000-4-11
	Harmonics	EN 61000-3-2, IEC 61000-3-2
	Flicker	EN 61000-3-3, IEC 61000-3-3
Mounting and Enclosure	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 24G 4SFP+ Switch (JL724B)

Description	24x ports 10/100/1000BASE-T Ports 4x 100M/1/10G SFP+ ports 1x USB-C Console Port 1x RJ-45 Console Port 1x OOBM 1x USB Type-A Host port
Power supplies	Fixed power supply
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")
Configuration Weight	3.77 kg (8.32 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	6 MB
Performance	
Model Switching Capacity	128 Gbps
Model Throughput Capacity	Up to 95.2 Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 3.3µSec 10Gbps: 2.3µSec

Technical Specifications

Stack Size	8 members
Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	128
IPv4 Host Table (ARP)	8,192
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)	2,048/512/2,2048
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.
Operating Relative Humidity	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
Non-Operating Storage Relative Humidity	5% to 95% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 5.1 Bel Sound Pressure, LpAm (Bystander) = 35.1 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	100V-120V/200V-240V
Current	0.9A/0.6A
80plus.org Certification	80plus Silver
Maximum heat dissipation BTU/hr and kJ/hr	150 BTU/hr 158 kj/hr
Power Consumption (230 VAC)	Hibernation (0 rpm fan): 7W Idle: 29W 100% Traffic Rate: 44W

Technical Specifications

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
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
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)
Immunity	
Generic	CISPR 35: 2016
EN	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2

Technical Specifications

Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC / EN 61000-3-2
Flicker	IEC / EN 61000-3-3
RoHS	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.

HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP+ 370W Switch (JL725B)

Description	24x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 100M/1/10G 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 Up to 370W of Class 4 PoE Power
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")
Configuration Weight	4.39 kg (9.68 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	6 MB

Technical Specifications

Performance	
Model Switching Capacity	128 Gbps
Model Throughput Capacity	Up to 95.2 Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 3.3µSec 10Gbps: 2.3µSec
Stack Size	8 members
Max. Stacking Distance	Up to 10 kms with long range transceivers
Stacking Bandwidth	40 Gbps
Switched Virtual Interfaces (dual stack)	128
IPv4 Host Table (ARP)	8,192
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)	2,048/512/2,2048
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.
Operating Relative Humidity	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
Non-Operating Storage Relative Humidity	5% to 95% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 5.1 Bel Sound Pressure, LpAm (Bystander) = 35.5 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	
AC Voltage	
Current	5.2A/2.6A
80plus.org Certification	
Maximum heat dissipation BTU/hr and kj/hr info needed	150 BTU/hr 158 kj/hr
Power Consumption (230 VAC)	Idle: 32W 100% Traffic Rate: 44W

Technical Specifications

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
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
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)
Immunity	
Generic	CISPR 35: 2016
EN	EN 55035:2017 +A11:2020

Technical Specifications

ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC / EN 61000-3-2
Flicker	IEC / EN 61000-3-3
RoHS	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.

HPE Aruba Networking CX 6200F 48G 4SFP+ Switch (JL726B)

Description	48x ports 10/100/1000BASE-T Ports 4x 100M/1/10G SFP+ ports 1x USB-C Console Port 1x RJ-45 Console Port 1x OOBM 1x USB Type-A Host port
Power supplies	Fixed power supply
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")
Configuration Weight	3.90 kg (8.59 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	6 MB
Performance	
Model Switching Capacity	
Model Throughput Capacity	
Average Latency (LIFO-64-bytes packets)	1 Gbps: 3.3 µSec 10 Gbps: 2.3 µSec
Stack Size	
Max. Stacking Distance	
Stacking Bandwidth	

Technical Specifications

Switched Virtual Interfaces (dual stack)	
IPv4 Host Table (ARP)	
IPv6 Host Table (ND)	
IPv4 Unicast Routes	
IPv6 Unicast Routes	
MAC Table Capacity	32,768
IGMP Groups	
MLD Groups	
IPv4/IPv6/MAC ACL Entries (ingress)	
IPv4/IPv6/MAC ACL Entries (egress)	
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.
Operating Relative Humidity	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
Non-Operating Storage Relative Humidity	5% to 95% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 5.0 Bel Sound Pressure, LpAm (Bystander) = 34.7 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	
AC Voltage	
Current	0.9A/0.6A
80plus.org Certification	
Maximum heat dissipation BTU/hr and kj/hr info needed	181 BTU/hr 191 kj/hr
Power Consumption (230 VAC)	Idle: 33W 100% Traffic Rate: 53W

Technical Specifications

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
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
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)
Immunity	
Generic	CISPR 35: 2016
EN	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2

Technical Specifications

Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC / EN 61000-3-2
Flicker	IEC / EN 61000-3-3
RoHS	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.

HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP+ 370W Switch (JL727B)

Description	48x ports 10/100/1000BASE-T Class 4 PoE Ports, supporting up to 30W per port 4x 100M/1/10G 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 Up to 370W of Class 4 PoE Power
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")
Configuration Weight	4.87 kg (10.74 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	6 MB
Performance	
Model Switching Capacity	
Model Throughput Capacity	
Average Latency (LIFO-64-bytes packets)	1 Gbps: 3.3 µSec 10 Gbps: 2.3 µSec

Technical Specifications

Stack Size	
Max. Stacking Distance	
Stacking Bandwidth	
Switched Virtual Interfaces (dual stack)	
IPv4 Host Table (ARP)	
IPv6 Host Table (ND)	
IPv4 Unicast Routes	
IPv6 Unicast Routes	
MAC Table Capacity	32,768
IGMP Groups	
MLD Groups	
IPv4/IPv6/MAC ACL Entries (ingress)	
IPv4/IPv6/MAC ACL Entries (egress)	
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.
Operating Relative Humidity	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
Non-Operating Storage Relative Humidity	5% to 95% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 5.2 Bel Sound Pressure, LpAm (Bystander) = 36.8 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	
AC Voltage	
Current	5.2A/2.6A
80plus.org Certification	
Maximum heat dissipation BTU/hr and kj/hr info needed	194 BTU/hr 205 kj/hr
Power Consumption (230 VAC)	Idle: 38W 100% Traffic Rate: 57W

Technical Specifications

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
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
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)

Technical Specifications

Immunity	
Generic	CISPR 35: 2016
EN	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC / EN 61000-3-2
Flicker	IEC / EN 61000-3-3
RoHS	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.

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 100M/1/10G 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 Up to 740W of Class 4 PoE Power
Fans	
Physical characteristics	
Dimensions	(H) 4.37 cm x (W) 44.25 cm x (D) 32.66 cm (1.72" x 17.42" x 12.86")
Configuration Weight	5.13 kg (11.32 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	6 MB

Technical Specifications

Performance	
Model Switching Capacity	
Model Throughput Capacity	
Average Latency (LIFO-64-bytes packets)	1 Gbps: 3.3 µSec 10 Gbps: 2.3 µSec
Stack Size	
Max. Stacking Distance	
Stacking Bandwidth	
Switched Virtual Interfaces (dual stack)	
IPv4 Host Table (ARP)	
IPv6 Host Table (ND)	
IPv4 Unicast Routes	
IPv6 Unicast Routes	
MAC Table Capacity	32,768
IGMP Groups	
MLD Groups	
IPv4/IPv6/MAC ACL Entries (ingress)	
IPv4/IPv6/MAC ACL Entries (egress)	
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.
Operating Relative Humidity	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
Non-Operating Storage Relative Humidity	5% to 95% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 5.3 Bel Sound Pressure, LpAm (Bystander) = 36.5 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	
AC Voltage	
Current	10.3A/5.0A
80plus.org Certification	
Maximum heat dissipation BTU/hr and kj/hr info needed	205 BTU/hr 216 kj/hr
Power Consumption (230 VAC)	Idle: 42W 100% Traffic Rate: 60W

Technical Specifications

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
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
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)

Technical Specifications

Immunity	
Generic	CISPR 35: 2016
EN	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC / EN 61000-3-2
Flicker	IEC / EN 61000-3-3
RoHS	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.

HPE Aruba Networking CX 6200F 24G 4SFP Switch (S0M81A)

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
Power supplies	Fixed power supply
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")
Configuration Weight	3.77 kg (8.32 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	6 MB
Performance	
Model Switching Capacity	Up to 56 Gbps
Model Throughput Capacity	Up to 41.7 Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 3.2 µSec 10Gbps: 1.46µSec

Technical Specifications

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
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)	2,048/512/2,2048
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.
Operating Relative Humidity	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
Non-Operating Storage Relative Humidity	5% to 95% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 5.1 Bel Sound Pressure, LpAm (Bystander) = 35.1 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	100V-120V/200V-240V
Current	0.9A/0.6A
80plus.org Certification	80plus Silver
Maximum heat dissipation BTU/hr and kJ/hr	150 BTU/hr 158 kj/hr
Power Consumption (230 VAC)	Hibernation (0 rpm fan): 7W Idle: 29W 100% Traffic Rate: 44W

Technical Specifications

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
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
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)

Technical Specifications

Immunity	
Generic	CISPR 35: 2016
EN	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC / EN 61000-3-2
Flicker	IEC / EN 61000-3-3
RoHS	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.

HPE Aruba Networking CX 6200F 24G Class 4 PoE 4SFP 370W Switch (SOM82A)

Description	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
Power supplies	Fixed power supply Up to 370W of Class 4 PoE Power
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")
Configuration Weight	4.39 kg (9.68 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	6 MB

Technical Specifications

Performance	
Model Switching Capacity	Up to 56 Gbps
Model Throughput Capacity	Up to 41.7 Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 3.2 µSec 10Gbps: 1.46µSec
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
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)	2,048/512/2,2048
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.
Operating Relative Humidity	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
Non-Operating Storage Relative Humidity	5% to 95% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 5.1 Bel Sound Pressure, LpAm (Bystander) = 35.1 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	100V-127V/200V-240V
Current	5.2A/2.6A
80plus.org Certification	-
Maximum heat dissipation BTU/hr and kj/hr info needed	150 BTU/hr 158 kj/hr

Technical Specifications

Power Consumption (230 VAC)	Hibernation (0 rpm fan): 9W Idle: 32W 100% Traffic Rate: 44W
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
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
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)

Technical Specifications

Immunity	
Generic	CISPR 35: 2016
EN	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC / EN 61000-3-2
Flicker	IEC / EN 61000-3-3
RoHS	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.

HPE Aruba Networking CX 6200F 48G 4SFP Switch (S0M83A)	
Description	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
Power supplies	Fixed power supply
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")
Configuration Weight	3.90 kg (8.59 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	6 MB

Technical Specifications

Performance	
Model Switching Capacity	Up to 104 Gbps
Model Throughput Capacity	Up to 77.4 Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 3.2µSec 10Gbps: 1.46µSec
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
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)	2,048/512/2,2048
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.
Operating Relative Humidity	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
Non-Operating Storage Relative Humidity	5% to 95% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 5.0 Bel Sound Pressure, LpAm (Bystander) = 34.7 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	100V-120V/200V-240V
Current	0.9A/0.6A
80plus.org Certification	80plus Silver
Maximum heat dissipation BTU/hr and kj/hr info needed	181 BTU/hr 191 kj/hr

Technical Specifications

Power Consumption (230 VAC)	Hibernation (0 rpm fan): 7W 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
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
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)

Technical Specifications

Immunity	
Generic	CISPR 35: 2016
EN	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC / EN 61000-3-2
Flicker	IEC / EN 61000-3-3
RoHS	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.

HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP 370W Switch (S0M84A)

Description	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 Up to 370W of Class 4 PoE Power
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")
Configuration Weight	4.87 kg (10.74 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	6 MB

Technical Specifications

Performance	
Model Switching Capacity	Up to 104 Gbps
Model Throughput Capacity	Up to 77.4 Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 3.2µSec 10Gbps: 1.46µSec
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
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)	2,048/512/2,2048
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.
Operating Relative Humidity	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
Non-Operating Storage Relative Humidity	5% to 95% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 5.2Bel Sound Pressure, LpAm (Bystander) = 36.8 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	100V-127V/200V-240V
Current	5.2A/2.6A
80plus.org Certification	-
Maximum heat dissipation BTU/hr and kj/hr info needed	194 BTU/hr 205 kj/hr

Technical Specifications

Power Consumption (230 VAC)	Hibernation (0 rpm fan): 10W Idle: 38W 100% Traffic Rate: 57W
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
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
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)

Technical Specifications

Immunity	
Generic	CISPR 35: 2016
EN	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC / EN 61000-3-2
Flicker	IEC / EN 61000-3-3
RoHS	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.

HPE Aruba Networking CX 6200F 48G Class 4 PoE 4SFP 740W Switch (S0M85A)

Description	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 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) 32.66 cm (1.72" x 17.42" x 12.86")
Configuration Weight	5.13 kg (11.32 lbs)
Additional Specifications	
CPU	Quad Core ARM Cortex™ A72 @ 1.8GHz
Memory and Flash	8 GB DDR4 16 GB eMMC
Packet Buffer	6 MB

Technical Specifications

Performance	
Model Switching Capacity	Up to 104 Gbps
Model Throughput Capacity	Up to 77.4 Mpps
Average Latency (LIFO-64-bytes packets)	1Gbps: 3.2µSec 10Gbps: 1.46µSec
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
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)	2,048/512/2,2048
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.
Operating Relative Humidity	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
Non-Operating Storage Relative Humidity	5% to 95% @ 149°F (65°C) non-condensing
Max Operating Altitude	10,000 feet (3.048 km) Max
Max Non-Operating Altitude	15,000 feet (4.6 km) Max
Acoustic	Sound Power, LWAd = 5.3 Bel Sound Pressure, LpAm (Bystander) = 36.5 dB
Primary Airflow	Front and side to back
Electrical Characteristics	
Frequency	50Hz/60Hz
AC Voltage	100V-120V/200V-240V
Current	10.3A/5.0A
80plus.org Certification	80plus Gold
Maximum heat dissipation BTU/hr and kj/hr info needed	205 BTU/hr 216 kj/hr

Technical Specifications

Power Consumption (230 VAC)	Hibernation (0 rpm fan): 12W 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
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
Lasers	EN 60825-1:2014 / IEC 60825-1:2014 Class 1 Class 1 Laser Products / Laser Klasse 1 (Applicable for accessories - Optical Transceivers only)

Technical Specifications

Immunity	
Generic	CISPR 35: 2016
EN	EN 55035:2017 +A11:2020
ESD	IEC 61000-4-2
Radiated	IEC 61000-4-3
EFT/Burst	IEC 61000-4-4
Surge	IEC 61000-4-5
Conducted	IEC 61000-4-6
Power frequency magnetic field	IEC 61000-4-8
Voltage dips and interruptions	IEC 61000-4-11
Harmonics	IEC / EN 61000-3-2
Flicker	IEC / EN 61000-3-3
RoHS	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.

Standards and protocols

Applies to all products in series

- ANSI/TIA-1057 LLDP Media Endpoint Discovery (LLDP-MED)
- CPU DoS Protection
- VPNdraft-ietf-savi-mix
- IEEE 802.1AB-2005
- IEEE 802.1ak-2007
- IEEE 802.1AX-2008 Link Aggregation
- IEEE 802.1D MAC Bridges
- IEEE 802.1p Priority
- IEEE 802.1Q VLANs
- IEEE 802.1s Multiple Spanning Trees
- IEEE 802.1t-2001
- IEEE 802.1v VLAN classification by Protocol and Port
- IEEE 802.1w Rapid Reconfiguration of Spanning Tree
- IEEE 802.3ab 1000BASE-T
- IEEE 802.3ad Link Aggregation Control Protocol (LACP)
- IEEE 802.3ae 10-Gigabit Ethernet
- IEEE 802.3af Power over Ethernet
- IEEE 802.3at Power over Ethernet
- IEEE 802.3az Energy-efficient Ethernet (EEE)
- IEEE 802.3x Flow Control
- IEEE 802.3z 1000BASE-X
- RFC 1122 Requirements for Internet Hosts - Communications Layers
- RFC 1215 Convention for defining traps for use with the SNMP
- RFC 1256 ICMP Router Discovery Messages
- RFC 1350 TFTP Protocol (revision 2)
- RFC 1393 Traceroute Using an IP Option
- RFC 1519 CIDR
- RFC 1542 BOOTP Extensions
- RFC 1583 OSPF Version 2
- RFC 1591 Domain Name System Structure and Delegation
- RFC 1812 Requirements for IP Version 4 Router
- RFC 1918 Address Allocation for Private Internet
- RFC 2236 IGMP
- RFC 2328 OSPF Version 2
- RFC 2375 IPv6 Multicast Address Assignments
- RFC 2401 Security Architecture for the Internet Protocol
- RFC 2402 IP Authentication Header
- RFC 2460 Internet Protocol, Version 6 (IPv6) Specification
- RFC 2464 Transmission of IPv6 over Ethernet Networks
- RFC 2576 (Coexistence between SNMP V1, V2, V3)
- RFC 2579 (SMIv2 Text Conventions)
- RFC 2580 (SMIv2 Conformance)
- RFC 2710 Multicast Listener Discovery (MLD) for IPv6
- RFC 2711 IPv6 Router Alert Option

Technical Specifications

- RFC 2925 Definitions of Managed Objects for Remote Ping, Traceroute, and Lookup Operations (Ping only)
- RFC 2934 Protocol Independent Multicast MIB for IPv4
- RFC 3019 MLDv1 MIB
- RFC 3046 DHCP Relay Agent Information Option
- RFC 3056 Connection of IPv6 Domains via IPv4 Clouds
- RFC 3137 OSPF Stub Router Advertisement sFlow
- RFC 3376 IGMPv3
- RFC 3416 (SNMP Protocol Operations v2)
- RFC 3417 (SNMP Transport Mappings)
- RFC 3418 Management Information Base (MIB) for the Simple Network Management Protocol (SNMP)
- RFC 3484 Default Address Selection for IPv6
- RFC 3509 Alternative Implementations of OSPF Area Border Routers
- RFC 3575 IANA Considerations for RADIUS
- RFC 3623 Graceful OSPF Restart
- RFC 3810 Multicast Listener Discovery Version 2 (MLDv2) for IPv6
- RFC 4022 MIB for TCP
- RFC 4113 MIB for UDP
- RFC 4213 Basic Transition Mechanisms for IPv6 Hosts and Routers
- RFC 4251 The Secure Shell (SSH) Protocol
- RFC 4252 SSHv6 Authentication
- RFC 4253 SSHv6 Transport Layer
- RFC 4254 SSHv6 Connection
- RFC 4291 IP Version 6 Addressing Architecture
- RFC 4292 IP Forwarding Table MIB
- RFC 4293 Management Information Base for the Internet Protocol (IP)
- RFC 4419 Key Exchange for SSH
- RFC 4443 ICMPv6
- RFC 4541 IGMP & MLD Snooping Switch
- RFC 4601 PIM Sparse Mode
- RFC 4607 Source-Specific Multicast for IP
- RFC 4552 Authentication/Confidentiality for OSPFv3
- RFC 4675 RADIUS VLAN & Priority
- RFC 4861 IPv6 Neighbor Discovery
- RFC 4862 IPv6 Stateless Address Auto-configuration
- RFC 4940 IANA Considerations for OSPF
- RFC 5095 Deprecation of Type 0 Routing Headers in IPv6
- RFC 5187 OSPFv3 Graceful Restart
- RFC 5340 OSPFv3 for IPv6
- RFC 5424 Syslog Protocol
- RFC 5798 VRRP (exclude Accept Mode and sub-sec timer)
- RFC 3768 VRRP
- RFC 5519 Multicast Group Membership Discovery MIB (MLDv2 only)
- RFC 5722 Handling of Overlapping IPv6 Fragments
- RFC 5905 Network Time Protocol Version 4: Protocol and Algorithms Specification
- RFC 6620 FCFS SAVI
- RFC 6987 OSPF Stub Router Advertisement

Technical Specifications

- RFC 7047 The Open vSwitch Database Management Protocol
- RFC 7348 Virtual eXtensible Local Area Network (VXLAN)
- 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

Summary of Changes

Date	Version History	Action	Description of Change
15-Jun-2026	Version 36	Changed	New SFP+ transceiver SKUs added in Configuration Information: S6H20A, S6H21A, S6H22A, S6H24A.
18-May-2026	Version 35	Changed	Information updated for Packet buffer, Operating temperature, and some other specs in Technical Specifications section.
04-May-2026	Version 34	Changed	Standard Features and Technical Specifications sections were updated.
10-Feb-2026	Version 33	Changed	Model Switching Capacity and Model Throughput Capacity speeds were updated in Technical Specifications section.
05-Jan-2026	Version 32	Changed	Overview and Standard Features sections were updated.
10-Nov-2025	Version 31	Changed	Overview and Standard Features sections were updated.
03-Mar-2025	Version 30	Changed	Configuration Information section was updated.
16-Dec-2024	Version 29	Changed	Configuration Information section was updated.
02-Dec-2024	Version 28	Changed	Overview, Standard Features, Configuration Information, and Technical Specifications sections were updated.
03-Sep-2024	Version 27	Changed	Configuration Information section was updated.
01-Apr-2024	Version 26	Changed	Configuration Information section was updated.
04-Dec-2023	Version 25	Changed	Configuration Information section was updated.
06-Nov-2023	Version 24	Changed	Overview, Standard Features, Configuration Information, and Technical Specifications sections were updated.
10-Jul-2023	Version 23	Changed	Configuration Information section was updated.
15-May-2023	Version 22	Changed	Configuration Information section was updated.
01-May-2023	Version 21	Changed	Overview, Standard Features, Configuration Information, and Technical Specifications sections were updated.
06-Mar-2023	Version 20	Changed	Configuration Information section was updated.
06-Feb-2023	Version 19	Changed	Configuration Information section was updated.
10-Jan-2023	Version 18	Changed	Configuration Information and Technical Specifications sections were updated, new SKUS were added.
05-Dec-2022	Version 17	Changed	Configuration Information section was updated, new SKUS were added.
07-Nov-2022	Version 16	Changed	Standard Features, Configuration Information, and Technical Specifications sections were updated.
03-Oct-2022	Version 15	Changed	Configuration Information section was updated.
06-Jun-2022	Version 14	Changed	Standard Features, Configuration Information, and Technical Specifications sections were updated.
02-May-2022	Version 13	Changed	Standard Features, Configuration Information, and Technical Specifications sections were updated.
04-Apr-2022	Version 12	Changed	Configuration Information section was updated, new SKUS were added.
07-Feb-2022	Version 11	Changed	Configuration Information section was updated, new SKUS were added.
06-Dec-2021	Version 10	Changed	Standard Features and Technical Specifications sections were updated.
07-Sep-2021	Version 9	Changed	Standard Features and Technical Specifications sections were updated.

Summary of Changes

09-Aug-2021	Version 8	Changed	Standard Features and Technical Specifications sections were updated.
07-Jun-2021	Version 7	Changed	Standard Features and Configuration Information sections were updated.
06-Apr-2021	Version 6	Changed	Standard Features section was updated. Obsolete SKU was deleted in Configuration Information section.
08-Mar-2021	Version 5	Changed	SKUs added in Configuration Information section.
07-Dec-2020	Version 4	Changed	Standard Features and Technical Specification sections were updated.
08-Sep-2020	Version 3	Changed	Configuration Information was updated.
15-Jun-2020	Version 2	Changed	Standard Features and Technical Specification sections were updated.
04-May-2020	Version 1	New	New QuickSpecs

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