

# HPE Aruba Networking CX 6300 Switch Series



## What's new

- The HPE Aruba Networking CX 6300 series is a family of stackable Layer 3 switches with BGP, EVPN, VXLAN, VRF, OSPF robust security, QoS, MACsec 256, PTP, AVB and LRM [1]
- Three stackable Layer 2-only HPE Aruba Networking CX 6300L switches (datasheet) with HPE Smart Rate Multi-Gigabit and MACsec 256 encryption are available for high performance access deployments.
- Powerful 7th Gen ASIC architecture provides the CX 6300 series with 880 to 1760 Gbps system switching capacity, 660 to 1310 Mpps of system throughput and up to 200 to 400 Gbps stacking bandwidth.
- High availability with choice between 2 to 10-member Virtual Switching Framework (VSF) stacking for scale,

## Overview

The HPE Aruba Networking CX 6300 Switch Series is a modern, flexible, and intelligent family of stackable switches ideal for access, aggregation, and data center top-of-rack (ToR). With its cloud-native design, fully programmable operating system, and the HPE Aruba Networking CX Network Analytics Engine, the CX 6300 Series extends industry-leading monitoring and troubleshooting to the access layer. Support for HPE Aruba Networking Switch Multi-Edit Software and the CX mobile app verify that configurations are flawless and easy to deploy.

A powerful ASIC architecture delivers fast, non-blocking performance, ready for tomorrow's unpredictable demands. HPE Aruba Networking Virtual Stacking Framework (VSF) allows for stacking of up to 10 switches, providing scale and simplified management. This flexible series has built-in high speed uplinks and supports high density IEEE 802.3bt high power PoE with HPE Smart Rate multi-gigabit Ethernet for APs and IoT devices.

or 2-member Virtual Switching Extension (VSX) cluster for active-active redundancy.

- Options include 24 to 48 ports of HPE Smart Rate (1/2.5/5/10 GbE) Multi-Gigabit and 1 GbE fiber, supporting up to 90W 802.11bt PoE, all with telemetry and automation via the Network Analytics Engine
- Manage via single point of control with HPE Aruba Networking Central across wired, wireless, and WAN. Dynamic Segmentation enables enhanced security and simple access for users and IoT.

## Features

### High Performance and Power

The HPE Aruba Networking CX 6300 Switch Series uses a fully distributed architecture with Gen7 ASICs that deliver 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.

HPE Aruba Networking Virtual Switching Framework (VSF) allows you to quickly grow your network using high performance front plane stacking. Four built-in uplinks support speeds of up to 10, 25, 50, and 100 GbE for a total of 200 to 400 Gbps of stacking throughput per switch.

CX 6300 Series switches may be deployed in a 2-member active-active design using HPE Aruba Networking Virtual Switching Extension (VSX) and an inter-switch link (ISL) for a high availability solution that maintains state synchronization and an independent control plane across both switches. [2]

Deploy wireless access points and IoT devices with CX 6300 Series models that offer high density HPE Smart Rate Multi-Gigabit Ethernet with Class 4 (30W), Class 6 (60W), and Class 8 (90W) PoE on each port (720W, 1440W, and 2880W max PoE budget options).

CX 6300L stackable, high-performance Layer 2-only switches with static routing available for customers needing scalability, high-capacity, and cost-effective connectivity in the access layer.

### Automation and Analytics

The HPE Aruba Networking CX 6300 Switch Series delivers unparalleled visibility with built-in analytics for real-time monitoring and a Time Series Database that stores configuration and operational state data, making it available to quickly resolve network issues.

Streamline network configurations at scale and provide AI-powered problem resolution for critical infrastructure platform with new AI insights in HPE Aruba Networking Central.

The HPE Aruba Networking CX Network Analytics Engine (NAE) automatically interrogates and analyzes events that can impact network health. Advanced telemetry, automation help identify and troubleshoot network, system, application, and security issues through CLI, Python agents, and REST API.

HPE Aruba Networking Switch Multi-Edit Software introduces automation that allows for rapid network-wide changes, and ensures policy conformance post network updates. Intelligent capabilities include search, edit, validation (including conformance checking), deployment, and audit features.

Import switch information into HPE Aruba Networking Switch Multi-Edit Software for simplified configuration management and to continual conformance validation.

## Unified Management and Smarter Segmentation

The HPE Aruba Networking CX 6300 Switch Series is supported on HPE Aruba Networking Central for single point of control management that delivers enhanced network visibility and an expanded AI toolset, addressing the scale and demands of the most mission-critical environments.

Dynamic Segmentation that automatically applies and enforces user, device, and application-aware policies on HPE Aruba Networking wired and wireless infrastructures.

Automated device profiling, role-based access control, and Layer 7 firewall features deliver enhanced visibility and performance for a better end-user experience and streamlined IT operations. Application recognition and control available through CX Advanced Feature Pack [1].

Switch-to-switch tunnels enable scalable multi-tenancy support with VXLAN to VRF mapping, while allowing policy application via user roles [1].

Reduce manual IT operation tasks around initial deployment or on-going configuration changes to accommodate adds, moves, and changes with colorless ports using local user roles and local-MAC-Authentication (LMA).

## HPE Aruba Networking Data Center Networking Solution [1]

Hewlett Packard Enterprise offers customers highly differentiated pre-engineered IT infrastructure solutions that span a wide variety HPE Compute, HPE Storage, HPE Networking that span virtualization, vSAN, HCI, HPC, MCS, Microsoft, SAP HANA, VMware, Nutanix application and IaaS service offerings.

The 10/25 and 40/100G CX switches can be deployed as part of an HPE integrated and mixed compute, storage and networking configuration and deployments.

These ready-to-deploy, integrated IT data center solutions help simplify and speed IT service delivery while reducing the time, risk, and expertise needed to deploy complex solutions.

Use these new tracking SKUs (R9FXXX) when CX switches are included in HPE integrated and mixed compute, storage and networking configuration and deployments.

| Technical specifications     | HPE Aruba Networking CX 6300 Switch Series                                                                                                                                                                |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ports</b>                 | Up to 48 ports of HPE Smart Rate (1G/2.5G/5G/10 GbE)                                                                                                                                                      |
| <b>Switching capacity</b>    | Up to 880 Gbps to 1760 Gbps, depending on model and configuration                                                                                                                                         |
| <b>Stacking capabilities</b> | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                        |
| <b>Throughput</b>            | Up to 660 Mpps to 1310 Mpps, depending on model and configuration                                                                                                                                         |
| <b>Memory and processor</b>  | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                                |
| <b>PoE capability</b>        | Max PoE Power: Up to 370W, 720W, 1440W, 2640W, or 2880W, depending on model and installed power supplies                                                                                                  |
| <b>Management features</b>   | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON |
| <b>Weight</b>                | 6.02 kg, maximum, depending on model                                                                                                                                                                      |
| <b>Product dimensions</b>    | 4.4 x 44.2 x 38.5 cm, maximum, depending on model                                                                                                                                                         |
| <b>Warranty</b>              | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     |

[1] Features not supported on CX 6300L switches (S3L75A, S3L76A, S3L77A)

[2] The simultaneous use of VSF stacking and a VSX cluster is not supported. A switch may either be a member of a VSF stack or a VSX cluster.

## SKU comparison

|                              | HPE ANW CX 6300L 48p Smart Rate 100M/1G/2.5G/5G Class6/8 2p SFP56 50G 2p SFP+ 1G/10G LRM Layer2 Sw (S3L77A)                                                                                                                                                                                                                                                                                                                                                                                                                                | HPE Aruba Networking CX 6300F 24-port 1GbE and 4-port SFP56 Switch (JL668A)                                                                                                                                                                                                                                                                                                                                                                                                                                                               | HPE Aruba Networking CX 6300F 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL666A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power consumption</b>     | With JL086A PSU:<br>Idle: 104W<br>100% Traffic Rate: 168W<br>With JL087A PSU:<br>Idle: 104W<br>100% Traffic Rate: 168W<br>With JL670A PSU:<br>Idle: 113W<br>100% Traffic Rate: 179W                                                                                                                                                                                                                                                                                                                                                        | Idle: 49W<br>100% Traffic Rate: 63W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Idle: 52W<br>100% Traffic Rate: 67W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Input voltage</b>         | JL670A PSU: 110V-120V/208V-240V<br>JL086A PSU: 100V-240V<br>JL087A PSU: 110V-240V                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Fixed PSU:<br>100V120V/200V240V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Fixed PSU:<br>100V120V/200V240V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Ports</b>                 | 48-port Smart Rate 100M**/1G/2.5G/5G BaseT Class 8 PoE ports supporting up to 90W per port on ports 112, and up to 60W per port on ports 1348 (MACsec)<br>2x 10G/25G/50G SFP ports<br>2x 1G/10G SFP ports (LRM + MACsec)<br><br>Supports PoE Standards IEEE 802.3af, 802.3at and 802.3bt (up to 90W)<br><br>1x USBC Console Port<br>1x RJ45 console port<br>1x OOBM<br>1x USB Type A Host port<br><br>Notes:<br>**100M use on Smart Rate ports is limited to full duplex only. For 100M half duplex support, use 1G ports on other models. | 24-port 10/100/1000 BaseT ports<br><br>4x 1G/10G/25G/50G* SFP ports;<br><br>Supports PoE Standards IEEE 802.3af, 802.3at;<br><br>1x USBC Console Port;<br>1x OOBM port;<br>1x USB Type A Host port<br><br>Notes:<br>*50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G transceivers and DACs are not supported on SOE91A and SOX44A switch models, which requires QSFP to SFP56 DAC cable for VSF stacking with other CX 6300F and CX 6300M switch models only. VSF stacking not supported on 1G ports. | 24-port 10/100/1000 BaseT ports supporting up to 30W per port;<br><br>4x 1G/10G/25G/50G* SFP ports;<br><br>Supports PoE Standards IEEE 802.3af, 802.3at;<br><br>1x USBC Console Port;<br>1x OOBM port;<br>1x USB Type A Host port<br><br>Notes:<br>*50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G transceivers and DACs are not supported on SOE91A and SOX44A switch models, which requires QSFP to SFP56 DAC cable for VSF stacking with other CX 6300F and CX 6300M switch models only. VSF stacking not supported on 1G ports. |
| <b>Latency</b>               | 1Gbps: 4.24Sec,<br>10Gbps: 1.50Sec,<br>25Gbps: 2.91Sec,<br>50Gbps: 3.49Sec                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1Gbps: 2.28Sec,<br>10Gbps: 1.46Sec,<br>25Gbps: 1.90Sec,<br>50Gbps: 3.49Sec                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1Gbps: 2.28Sec,<br>10Gbps: 1.46Sec,<br>25Gbps: 1.90Sec,<br>50Gbps: 3.49Sec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Switching capacity</b>    | 720 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 448 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 448 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Stacking capabilities</b> | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                                                                                                                                                                                                                                                                                                                         | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                                                                                                                                                                                                                                                                                                                        | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Throughput</b>            | 535 Mpps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 334 Mpps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 334 Mpps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

|                              | HPE ANW CX 6300L 48p Smart Rate 100M/1G/2.5G/5G Class6/8 2p SFP56 50G 2p SFP+ 1G/10G LRM Layer2 Sw (S3L77A)                                                                                                                                                                   | HPE Aruba Networking CX 6300F 24-port 1GbE and 4-port SFP56 Switch (JL668A)                                                                                                                                                          | HPE Aruba Networking CX 6300F 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL666A)                                                                                                                                              |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Memory and processor</b>  | <p>Quad Core Arm Cortex™ A72 @ 1.8GHz, 8 GB DDR4, 32 GB eMMC</p> <p>16 MB Shared Packet Buffer Memory</p>                                                                                                                                                                     | <p>Quad Core Arm Cortex™ A72 @ 1.8GHz, 8 GB DDR4, 32 GB eMMC</p> <p>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration</p>                                                                      | <p>Quad Core Arm Cortex™ A72 @ 1.8GHz, 8 GB DDR4, 32 GB eMMC</p> <p>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration</p>                                                                      |
| <b>Power supply</b>          | <p>2 field-replaceable, hot-swappable power supply slots 1 minimum power supply required (ordered separately)</p> <p>Supported PSUs</p> <p>JL086A<br/>JL087A<br/>JL670A<br/>JL758A</p> <p>Max PoE Power: 2880W</p>                                                            |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                      |
| <b>PoE capability</b>        | Max PoE Power: 2880W                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                      | Max PoE Power: 370W                                                                                                                                                                                                                  |
| <b>Management features</b>   | 1 default VRF, 1 management VRF                                                                                                                                                                                                                                               | <p>HPE Aruba Networking Central Network Management</p> <p>HPE Aruba Networking Management Software (AirWave)</p> <p>HPE Aruba Networking Switch Multi-Edit Software</p> <p>Command-line interface</p> <p>SNMP v2c/v3</p> <p>RMON</p> | <p>HPE Aruba Networking Central Network Management</p> <p>HPE Aruba Networking Management Software (AirWave)</p> <p>HPE Aruba Networking Switch Multi-Edit Software</p> <p>Command-line interface</p> <p>SNMP v2c/v3</p> <p>RMON</p> |
| <b>Operating temperature</b> | <p>32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate -1 degree C for every 1,000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time. No more than 96 consecutive hours and no more than 360 hours total (15 days) in 1 year.</p> |                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                      |
| <b>Warranty</b>              | Limited lifetime warranty. See the warranty duration.                                                                                                                                                                                                                         | Limited lifetime warranty. See the warranty duration.                                                                                                                                                                                | Limited lifetime warranty. See the warranty duration.                                                                                                                                                                                |

|                              | HPE Aruba Networking CX 6300F 24p 10M/100M/1G 4p SFP56 50G TAA Switch (SOG98A)                                                                             | HPE Aruba Networking CX 6300F 24p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (SOG96A)                                                                  | HPE Aruba Networking CX 6300F 48-port 1GbE and 4-port SFP56 Switch (JL667A)                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power consumption</b>     |                                                                                                                                                            |                                                                                                                                                            | Idle: 52W<br>100% Traffic Rate: 74W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Input voltage</b>         |                                                                                                                                                            |                                                                                                                                                            | Fixed PSU:<br>100V120V/200V240V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Ports</b>                 | Up to 48 ports of HPE Smart Rate (1G/2.5G/5G/10 GbE)                                                                                                       | Up to 48 ports of HPE Smart Rate (1G/2.5G/5G/10 GbE)                                                                                                       | 48-port 10/100/1000 BaseT ports<br><br>4x 1G/10G/25G/50G* SFP ports;<br><br>Supports PoE Standards IEEE 802.3af, 802.3at;<br><br>1x USBC Console Port;<br>1x OOBM port;<br>1x USB Type A Host port<br><br>Notes:<br>*50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G transceivers and DACs are not supported on SOE91A and SOX44A switch models, which requires QSFP to SFP56 DAC cable for VSF stacking with other CX 6300F and CX 6300M switch models only. VSF stacking not supported on 1G ports. |
| <b>Latency</b>               |                                                                                                                                                            |                                                                                                                                                            | 1Gbps: 2.28Sec,<br>10Gbps: 1.46Sec,<br>25Gbps: 1.90Sec,<br>50Gbps: 3.49Sec                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Switching capacity</b>    | Up to 880 Gbps to 1760 Gbps, depending on model and configuration                                                                                          | Up to 880 Gbps to 1760 Gbps, depending on model and configuration                                                                                          | 496 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Stacking capabilities</b> | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                         | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                         | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Throughput</b>            | Up to 660 Mpps to 1310 Mpps, depending on model and configuration                                                                                          | Up to 660 Mpps to 1310 Mpps, depending on model and configuration                                                                                          | 369 Mpps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Memory and processor</b>  | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                                                                                                                                                                                                                                                                                                                                                                |
| <b>PoE capability</b>        |                                                                                                                                                            | Max PoE Power: Up to 370W, 720W, 1440W, 2640W, or 2880W, depending on model and installed power supplies                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

|                            | HPE Aruba Networking CX 6300F 24p 10M/100M/1G 4p SFP56 50G TAA Switch (SOG98A)                                                                                                                            | HPE Aruba Networking CX 6300F 24p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (SOG96A)                                                                                                                 | HPE Aruba Networking CX 6300F 48-port 1GbE and 4-port SFP56 Switch (JL667A)                                                                                                                               |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Management features</b> | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON |
| <b>Warranty</b>            | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     |

|                              | HPE Aruba Networking CX 6300F 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL665A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | HPE Aruba Networking CX 6300F 48p 10M/100M/1G 4p SFP56 50G TAA Switch (SOG97A)                                                                             | HPE Aruba Networking CX 6300F 48p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (SOG95A)                                                                  |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power consumption</b>     | Idle: 63W<br>100% Traffic Rate: 86W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                            |                                                                                                                                                            |
| <b>Input voltage</b>         | Fixed PSU:<br>100V120V/200V240V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |                                                                                                                                                            |
| <b>Ports</b>                 | <p>48-port 10/100/1000 BaseT PoE+ ports supporting up to 30W per port;</p> <p>4x 1G/10G/25G/50G* SFP ports;</p> <p>Supports PoE Standards IEEE 802.3af, 802.3at;</p> <p>1x USBC Console Port;<br/>1x OOBM port;<br/>1x USB Type A Host port</p> <p>Notes:<br/>*50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G transceivers and DACs are not supported on SOE91A and SOX44A switch models, which requires QSFP to SFP56 DAC cable for VSF stacking with other CX 6300F and CX 6300M switch models only. VSF stacking not supported on 1G ports.</p> |                                                                                                                                                            |                                                                                                                                                            |
| <b>Latency</b>               | 1Gbps: 2.28Sec,<br>10Gbps: 1.46Sec,<br>25Gbps: 1.90Sec,<br>50Gbps: 3.49Sec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                            |                                                                                                                                                            |
| <b>Switching capacity</b>    | 496 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Up to 880 Gbps to 1760 Gbps, depending on model and configuration                                                                                          | Up to 880 Gbps to 1760 Gbps, depending on model and configuration                                                                                          |
| <b>Stacking capabilities</b> | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                         | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                         |
| <b>Throughput</b>            | 369 Mpps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Up to 660 Mpps to 1310 Mpps, depending on model and configuration                                                                                          | Up to 660 Mpps to 1310 Mpps, depending on model and configuration                                                                                          |
| <b>Memory and processor</b>  | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                                                                                                                                                                                                                                                                                                                                                                                                              | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration |
| <b>PoE capability</b>        | Max PoE Power: 740W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                            | Max PoE Power: Up to 370W, 720W, 1440W, 2640W, or 2880W, depending on model and installed power supplies                                                   |

|                            | HPE Aruba Networking CX 6300F 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL665A)                                                                                                                   | HPE Aruba Networking CX 6300F 48p 10M/100M/1G 4p SFP56 50G TAA Switch (SOG97A)                                                                                                                            | HPE Aruba Networking CX 6300F 48p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (SOG95A)                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Management features</b> | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON |
| <b>Warranty</b>            | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     |

|                                   | HPE Aruba Networking CX 6300L 24p Smart Rate 1G/2.5G/5G/10G CL6 2p SFP56 50G 2p SFP28 25G L2 Switch (S3L75A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | HPE Aruba Networking CX 6300L 48p Smart Rate 100M/1G/2.5G/5G CL8 2p SFP56 50G 2p SFP28 25G L2 Switch (S3L76A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | HPE Aruba Networking CX 6300M 12p CL8 PoE 36p CL6 PoE Smart Rate 1G/2.5G/5G 2p 50G 2p 10G Switch (R8S91A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Power consumption</b>          | With JLO86A PSU:<br>Idle: 90W<br>100% Traffic Rate: 143W<br>With JLO87A PSU:<br>Idle: 90W<br>100% Traffic Rate: 140W<br>With JL670A PSU:<br>Idle: 101W<br>100% Traffic Rate: 152W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | With JLO86A PSU:<br>Idle: 104W<br>100% Traffic Rate: 173W<br>With JLO87A PSU:<br>Idle: 104W<br>100% Traffic Rate: 173W<br>With JL670A PSU:<br>Idle: 115W<br>100% Traffic Rate: 184W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | With single JLO86A PSU:<br>Idle: 207W<br>100% Traffic Rate: 283W<br>With single JLO87A PSU:<br>Idle: 208W<br>100% Traffic Rate: 282W<br>With single JL670A PSU:<br>Idle: 211W<br>100% Traffic Rate: 283W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Input voltage</b>              | JL670A PSU: 110V-120V/208V-240V<br>JLO86A PSU: 100V-240V<br>JLO87A PSU: 110V-240V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | JL670A PSU: 110V-120V/208V-240V<br>JLO86A PSU: 100V-240V<br>JLO87A PSU: 110V-240V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | JL670A PSU: 110V-120V/208V-240V<br>JLO86A PSU: 100V-240V<br>JLO87A PSU: 110V-240V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Ports</b>                      | 24-port Smart Rate 100M**/1G/2.5G/5G/10G BaseT Class 6 PoE ports supporting up to 60W per port (MACsec)<br>2x 10G/25G/50G* SFP ports<br>2x 10G/25G SFP ports (MACsec)<br><br>Supports PoE Standards IEEE 802.3af, 802.3at and 802.3bt (up to 60W)<br><br>1x USBC Console Port<br>1x RJ Console Port<br>1x OOBM port<br>1x USB Type A Host port<br><br>Notes:<br>*50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G transceivers and DACs are not supported on SOE91A and SOX44A switch models, which requires QSFP to SFP56 DAC cable for VSF stacking with other CX 6300F and CX 6300M switch models only. VSF stacking not supported on 1G ports.<br>**100M use on Smart Rate ports is limited to full duplex only. For 100M half duplex support, use 1G ports on other models. | 48-port Smart Rate 100M**/1G/2.5G/5G BaseT Class 8 PoE ports supporting up to 90W per port (MACsec)<br>2x 10G/25G/50G* SFP ports<br>2x 10G/25G SFP ports (MACsec)<br><br>Supports PoE Standards IEEE 802.3af, 802.3at and 802.3bt (up to 90W)<br><br>1x USBC Console Port<br>1x RJ Console Port<br>1x OOBM port<br>1x USB Type A Host port<br><br>Notes:<br>*50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G transceivers and DACs are not supported on SOE91A and SOX44A switch models, which requires QSFP to SFP56 DAC cable for VSF stacking with other CX 6300F and CX 6300M switch models only. VSF stacking not supported on 1G ports.<br>**100M use on Smart Rate ports is limited to full duplex only. For 100M half duplex support, use 1G ports on other models. | 48-port Smart Rate 100M**/1G/2.5G/5G BaseT Class 8 PoE ports supporting up to 90W per port on ports 112, and up to 60W per port on ports 1348 (MACsec);<br><br>2x 10G/25G/50G* SFP ports;<br>2x 1G/10G SFP ports (LRM + MACsec);<br><br>Supports PoE Standards IEEE 802.3af, 802.3at and 802.3bt (up to 90W);<br><br>1x USBC Console Port;<br>1x RJ Console Port;<br>1x OOBM port;<br>1x USB Type A Host port<br><br>Notes:<br>*50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G transceivers and DACs are not supported on SOE91A and SOX44A switch models, which requires QSFP to SFP56 DAC cable for VSF stacking with other CX 6300F and CX 6300M switch models only. VSF stacking not supported on 1G ports.<br>**100M use on Smart Rate ports is limited to full duplex only. For 100M half duplex support, use 1G ports on other models. |
| <b>Latency</b>                    | 1Gbps: 4.24Sec,<br>10Gbps: 1.50Sec,<br>25Gbps: 2.91Sec,<br>50Gbps1: 3.49Sec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 1Gbps: 4.24Sec,<br>10Gbps: 1.50Sec,<br>25Gbps: 2.91Sec,<br>50Gbps1: 3.49Sec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 1Gbps: 4.24Sec,<br>10Gbps: 1.50Sec,<br>25Gbps: 2.91Sec,<br>50Gbps1: 3.49Sec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Routing/switching capacity</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 880 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Switching capacity</b>         | 780 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 780 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 720 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

|                              | HPE Aruba Networking CX 6300L 24p Smart Rate 1G/2.5G/5G/10G CL6 2p SFP56 50G 2p SFP28 25G L2 Switch (S3L75A)                                                                                                                                                           | HPE Aruba Networking CX 6300L 48p Smart Rate 100M/1G/2.5G/5G CL8 2p SFP56 50G 2p SFP28 25G L2 Switch (S3L76A)                                                                                                                                                          | HPE Aruba Networking CX 6300M 12p CL8 PoE 36p CL6 PoE Smart Rate 1G/2.5G/5G 2p 50G 2p 10G Switch (R8S91A)                                                                                                 |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stacking capabilities</b> | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                                                     | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                                                     | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                        |
| <b>Throughput</b>            | 580 Mpps                                                                                                                                                                                                                                                               | 580 Mpps                                                                                                                                                                                                                                                               | 535 Mpps                                                                                                                                                                                                  |
| <b>Memory and processor</b>  | Quad Core Arm Cortex™ A72 @ 1.8GHz,<br>8 GB DDR4, 32 GB eMMC<br><br>16 MB Shared Packet Buffer Memory                                                                                                                                                                  | Quad Core Arm Cortex™ A72 @ 1.8GHz,<br>8 GB DDR4, 32 GB eMMC<br><br>16 MB Shared Packet Buffer Memory                                                                                                                                                                  | Quad Core Arm Cortex™ A72 @ 1.8GHz,<br>8 GB DDR4, 32 GB eMMC<br><br>16 MB Shared Packet Buffer Memory                                                                                                     |
| <b>Power supply</b>          | 2 field-replaceable, hot-swappable power supply slots 1 minimum power supply required (ordered separately)<br>Supported PSUs<br>JL086A<br>JL087A<br>JL670A<br>JL758A<br>Max PoE Power: 2880W                                                                           | 2 field-replaceable, hot-swappable power supply slots 1 minimum power supply required (ordered separately)<br>Supported PSUs<br>JL086A<br>JL087A<br>JL670A<br>JL758A<br>Max PoE Power: 2880W                                                                           | 2 field-replaceable, hot-swappable power supply slots<br>1 minimum power supply required (ordered separately)<br>Supported PSUs<br>JL086A<br>JL087A<br>JL670A<br>JL758A<br>Max PoE Power: 2880W           |
| <b>PoE capability</b>        | Max PoE Power: 2880W                                                                                                                                                                                                                                                   | Max PoE Power: 2880W                                                                                                                                                                                                                                                   | Max PoE Power: 2880W                                                                                                                                                                                      |
| <b>Management features</b>   | 1 default VRF, 1 management VRF                                                                                                                                                                                                                                        | 1 default VRF, 1 management VRF                                                                                                                                                                                                                                        | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON |
| <b>Operating temperature</b> | 32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate -1 degree C for every 1,000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time. No more than 96 consecutive hours and no more than 360 hours total (15 days) in 1 year. | 32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate -1 degree C for every 1,000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods of time. No more than 96 consecutive hours and no more than 360 hours total (15 days) in 1 year. |                                                                                                                                                                                                           |
| <b>Warranty</b>              | Limited lifetime warranty. See the warranty duration.                                                                                                                                                                                                                  | Limited lifetime warranty. See the warranty duration.                                                                                                                                                                                                                  | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     |

|                              | HPE Aruba Networking CX 6300M 24-port 1GbE and 4-port SFP56 Switch (JL664A)                                                                                                                                                                                                                                                                                                                                                                                                           | HPE Aruba Networking CX 6300M 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL662A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | HPE Aruba Networking CX 6300M 24-port HPE Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch (JL660A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power consumption</b>     | Idle: 49W<br>100% Traffic Rate: 64W                                                                                                                                                                                                                                                                                                                                                                                                                                                   | With JL086A PSU:<br>Idle: 60W<br>100% Traffic Rate: 76W<br>With JL087A PSU:<br>Idle: 59W<br>100% Traffic Rate: 74W<br>With JL670A PSU:<br>Idle: 62W<br>100% Traffic Rate: 81W                                                                                                                                                                                                                                                                                                                                                                                                 | With JL086A PSU:<br>Idle: 93W<br>100% Traffic Rate: 137W<br>With JL087A PSU:<br>Idle: 91W<br>100% Traffic Rate: 131W<br>With JL670A PSU:<br>Idle: 98W<br>100% Traffic Rate: 139Wsupply)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Input voltage</b>         | JL085A PSU: 100V240V                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | JL670A PSU:<br>110V120V/208V240V<br>JL086A PSU: 100V240V<br>JL087A PSU: 110V240V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | JL670A PSU:<br>110V120V/208V240V<br>JL086A PSU: 100V240V<br>JL087A PSU: 110V240V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Ports</b>                 | 24-port 10/100/1000 BaseT ports;<br><br>4x 1G/10G/25G/50G* SFP ports;<br><br>1x USBC Console Port;<br>1x OOBM port;<br>1x USB Type A Host port<br><br>Notes:<br>*50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G transceivers and DACs are not supported on SOE91A and SOX44A switch models, which requires QSFP to SFP56 DAC cable for VSF stacking with other CX 6300F and CX 6300M switch models only. VSF stacking not supported on 1G ports. | 24-port 10/100/1000 BaseT PoE+ ports supporting up to 30W per port;<br><br>4x 1G/10G/25G/50G* SFP ports;<br><br>Supports PoE Standards IEEE 802.3af, 802.3at;<br><br>1x USBC Console Port;<br>1x OOBM port;<br>1x USB Type A Host port<br><br>Notes:<br>*50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G transceivers and DACs are not supported on SOE91A and SOX44A switch models, which requires QSFP to SFP56 DAC cable for VSF stacking with other CX 6300F and CX 6300M switch models only. VSF stacking not supported on 1G ports. | 24-port Smart Rate 100M**/1G/2.5G/5G BaseT Class 6 PoE ports supporting up to 60W per port;<br><br>4x 1G/10G/25G*/50G SFP ports;<br><br>Supports PoE Standards IEEE 802.3af, 802.3at and 802.3bt (up to 60W);<br><br>1x USBC Console Port;<br>1x OOBM port;<br>1x USB Type A Host port<br><br>Notes:<br>*50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G transceivers and DACs are not supported on SOE91A and SOX44A switch models, which requires QSFP to SFP56 DAC cable for VSF stacking with other CX 6300F and CX 6300M switch models only. VSF stacking not supported on 1G ports.<br>**100M use on Smart Rate ports is limited to full duplex only. For 100M half duplex support, use 1G ports on other models. |
| <b>Latency</b>               | 1Gbps: 2.28Sec,<br>10Gbps: 1.46Sec,<br>25Gbps: 1.90Sec,<br>50Gbps: 3.49Sec                                                                                                                                                                                                                                                                                                                                                                                                            | 1Gbps: 2.28Sec,<br>10Gbps: 1.46Sec,<br>25Gbps: 1.90Sec,<br>50Gbps: 3.49Sec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1Gbps: 4.24Sec,<br>10Gbps: 1.50Sec,<br>25Gbps: 2.91Sec,<br>50Gbps: 3.49Sec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Switching capacity</b>    | 448 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 448 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 640 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Stacking capabilities</b> | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                                                                                                                                                                                                                                                                    | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Throughput</b>            | 334 Mpps                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 334 Mpps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 476 Mpps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

|                             | HPE Aruba Networking CX 6300M 24-port 1GbE and 4-port SFP56 Switch (JL664A)                                                                                                                            | HPE Aruba Networking CX 6300M 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL662A)                                                                                                                | HPE Aruba Networking CX 6300M 24-port HPE Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch (JL660A)                                                                                           |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Memory and processor</b> | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                             | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                             | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                             |
| <b>PoE capability</b>       |                                                                                                                                                                                                        | Max PoE Power: 720W                                                                                                                                                                                    | Max PoE Power: 1440W                                                                                                                                                                                   |
| <b>Management features</b>  | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software Command-line interface<br>SNMP v2c/v3<br>RMON |
| <b>Warranty</b>             | Limited lifetime warranty. See the warranty duration.                                                                                                                                                  | Limited lifetime warranty. See the warranty duration.                                                                                                                                                  | Limited lifetime warranty. See the warranty duration.                                                                                                                                                  |

|                              | HPE Aruba Networking CX 6300M 24-port SFP+ and 4-port SFP56 Switch (JL658A)                                                                                                                                                                                                                                                                                                                                                                                                 | HPE Aruba Networking CX 6300M 24p 10M/100M/1G 4p SFP56 50G TAA Switch (SOG01A)                                                                             | HPE Aruba Networking CX 6300M 24p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (SOF99A)                                                                  |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power consumption</b>     | Idle: 51W<br>100% Traffic Rate: 85W                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                            |                                                                                                                                                            |
| <b>Input voltage</b>         | JL085A PSU: 100V240V                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                            |                                                                                                                                                            |
| <b>Ports</b>                 | 24x 1G/10G SFP+ ports;<br><br>4x 1G/10G/25G*/50G SFP ports;<br><br>1x USBC Console Port;<br>1x OOBM port;<br>1x USB Type A Host port<br><br>Notes:<br>*50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G transceivers and DACs are not supported on SOE91A and SOX44A switch models, which requires QSFP to SFP56 DAC cable for VSF stacking with other CX 6300F and CX 6300M switch models only. VSF stacking not supported on 1G ports. | Up to 48 ports of HPE Smart Rate (1G/2.5G/5G/10 GbE)                                                                                                       | Up to 48 ports of HPE Smart Rate (1G/2.5G/5G/10 GbE)                                                                                                       |
| <b>Latency</b>               | 1Gbps: 1.99Sec,<br>10Gbps: 1.49Sec,<br>25Gbps: 2.85Sec<br>50Gbps: 2.82Sec                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                            |                                                                                                                                                            |
| <b>Switching capacity</b>    | 880 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Up to 880 Gbps to 1760 Gbps, depending on model and configuration                                                                                          | Up to 880 Gbps to 1760 Gbps, depending on model and configuration                                                                                          |
| <b>Stacking capabilities</b> | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                                                                                                                                                                                                                                                          | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                         | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                         |
| <b>Throughput</b>            | 654 Mpps                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Up to 660 Mpps to 1310 Mpps, depending on model and configuration                                                                                          | Up to 660 Mpps to 1310 Mpps, depending on model and configuration                                                                                          |
| <b>Memory and processor</b>  | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                                                                                                                                                                                                                                                                                                  | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration |
| <b>PoE capability</b>        | ##BL##BLANK##ANK##                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                            |                                                                                                                                                            |

|                            | HPE Aruba Networking CX 6300M 24-port SFP+ and 4-port SFP56 Switch (JL658A)                                                                                                                               | HPE Aruba Networking CX 6300M 24p 10M/100M/1G 4p SFP56 50G TAA Switch (SOG01A)                                                                                                                            | HPE Aruba Networking CX 6300M 24p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (SOF99A)                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Management features</b> | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON |
| <b>Warranty</b>            | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     |

|                              | HPE Aruba Networking CX 6300M 24p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P44A)                                                                                                                                                 | HPE Aruba Networking CX 6300M 24p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S4P48A)                                                                                                                                             | HPE Aruba Networking CX 6300M 24p SFP+ 1G/10G 4p SFP56 50G 2xFan PSU Bundle (S5Z46A)                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Differentiator</b>        | PSU Min1 / Max2 (250W JL085A)<br>Includes Fantrays Min2 / Max 2 (JL669B)<br>Min=0 \ Max = 24 SFP 1G Transceiver<br>Min=0 \ Max = 2 SFP+/SFP28 10/25G Transceiver<br>Min=0 \ Max = 2 SFP+/SFP28/SFP56 10/25/50G Transceiver<br>1U - Height | PSU Min1 / Max2 (250W JL085A)<br>Includes Fantrays Min2 / Max 2 (JL669B)<br>Min=0 \ Max = 24 SFP 1G Transceiver<br>Min=0 \ Max = 2 SFP+/SFP28 10/25G Transceiver<br>Min=0 \ Max = 2 SFP+/SFP28/SFP56 10/25/50G Transceiver<br>1U - Height | Includes 1 Prt2Pwr PSU, can select Min0 / Max1 (250W JL085A)<br>Includes 2 Prt2Pwr Fan trays (JL761A), with no open slots<br>Min=0 \ Max = 24 SFP/SFP+ 1/10 Transceiver<br>Min=0 \ Max = 4 SFP+/SFP28/SFP56 10/25/50G Transceiver<br>1U - Height                                                                                                                                                                                                                    |
| <b>Power consumption</b>     | With JL085A PSU:<br>Idle: 62W<br>100% Traffic Rate: 101W<br><br>With JL757A PSU:<br>Idle: 57W<br>100% Traffic Rate: 97W                                                                                                                   | With JL085A PSU:<br>Idle: 62W<br>100% Traffic Rate: 101W<br><br>With JL757A PSU:<br>Idle: 57W<br>100% Traffic Rate: 97W                                                                                                                   | Idle: 51W<br>100% Traffic Rate: 85W                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Heat dissipation</b>      |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           | Max: 853 BTU/hr<br>Idle: 174 BTU/hr                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Input voltage</b>         | 250W AC 110-240 AC - JL085A<br>250W DC 36-72VDC - JL757A                                                                                                                                                                                  | 250W AC 110-240 AC - JL085A<br>250W DC 36-72VDC - JL757A                                                                                                                                                                                  | JL085A PSU: 100V240V                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Ports</b>                 | 1x USBC Console Port<br>1x OOBM port<br>1x USB Type A Host port                                                                                                                                                                           | 1x USBC Console Port<br>1x OOBM port<br>1x USB Type A Host port                                                                                                                                                                           | 24x 1G/10G SFP+ ports<br>4x 1G/10G/25G*/50G SFP ports<br><br>1x USBC Console Port<br>1x OOBM port<br>1x USB Type A Host port<br><br>Notes:<br>*50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G transceivers and DACs are not supported on S0E91A and S0X44A switch models, which requires QSFP to SFP56 DAC cable for VSF stacking with other CX 6300F and CX 6300M switch models only. VSF stacking not supported on 1G ports. |
| <b>Latency</b>               |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           | 1 Gbps: 1.99Sec<br>10 Gbps: 1.49Sec<br>25 Gbps: 2.85Sec<br>50 Gbps: 2.82Sec                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Switching capacity</b>    | 348 Gbps                                                                                                                                                                                                                                  | 348 Gbps                                                                                                                                                                                                                                  | 880 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Stacking capabilities</b> | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                        | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                        | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Throughput</b>            |                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                           | 654 Mpps                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

|                             | HPE Aruba Networking CX 6300M 24p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P44A)                                                                                                                             | HPE Aruba Networking CX 6300M 24p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S4P48A)                                                                                                                         | HPE Aruba Networking CX 6300M 24p SFP+ 1G/10G 4p SFP56 50G 2xFan PSU Bundle (S5Z46A)                                                                                                                                  |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Memory and processor</b> | <p>Quad Core Arm Cortex™ A72 @ 1.8GHz<br/>8 GB DDR4, 32 GB eMMC</p> <p>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration</p>                                                    | <p>Quad Core Arm Cortex™ A72 @ 1.8GHz<br/>8 GB DDR4, 32 GB eMMC</p> <p>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration</p>                                                    | <p>Quad Core Arm Cortex™ A72 @ 1.8GHz<br/>8 GB DDR4, 32 GB eMMC</p> <p>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration</p>                                                    |
| <b>Management features</b>  | <p>HPE Aruba Networking Central Network Management<br/>HPE Aruba Networking Management Software (AirWave)<br/>HPE Aruba Networking Switch Multi-Edit Software<br/>Command-line interface<br/>SNMP v2c/v3<br/>RMON</p> | <p>HPE Aruba Networking Central Network Management<br/>HPE Aruba Networking Management Software (AirWave)<br/>HPE Aruba Networking Switch Multi-Edit Software<br/>Command-line interface<br/>SNMP v2c/v3<br/>RMON</p> | <p>HPE Aruba Networking Central Network Management<br/>HPE Aruba Networking Management Software (AirWave)<br/>HPE Aruba Networking Switch Multi-Edit Software<br/>Command-line interface<br/>SNMP v2c/v3<br/>RMON</p> |
| <b>Warranty</b>             | Limited lifetime warranty. See the warranty duration.                                                                                                                                                                 | Limited lifetime warranty. See the warranty duration.                                                                                                                                                                 | Limited lifetime warranty. See the warranty duration.                                                                                                                                                                 |

|                                   | HPE Aruba Networking CX 6300M 24p SFP+ 1G/10G 4p SFP56 50G TAA Switch (SOG03A)                                                                             | HPE Aruba Networking CX 6300M 24p SFP+ LRM support and 2p 50G and 2p 25G MACSec Switch (R8S92A)                                                                                                                                                                                                                                                                                                                                                                                                                                            | HPE Aruba Networking CX 6300M 24p Smart Rate 1G/2.5G/5G Class6 PoE 4p SFP56 50G TAA Switch (SOG05A)                                                        |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power consumption</b>          |                                                                                                                                                            | Idle: 87W<br>100% Traffic Rate: 131W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                            |
| <b>Input voltage</b>              |                                                                                                                                                            | JL085A PSU: 100V-240V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                            |
| <b>Ports</b>                      | Up to 48 ports of HPE Smart Rate (1G/2.5G/5G/10 GbE)                                                                                                       | 24x 1G/10G SFP+ ports (LRM + MACSEC);<br>2x 10G/25G/50G* SFP ports;<br>2x 10G/25G SFP ports (MACSEC);<br><br>1x USB-C Console Port<br>1x RJ Console Port<br>1x OOBM port<br>1x USB Type A Host port<br><br>Notes:<br>*50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G transceivers and DACs are not supported on SOE91A and SOX44A switch models, which requires QSFP to SFP56 DAC cable for VSF stacking with other CX 6300F and CX 6300M switch models only. VSF stacking not supported on 1G ports. | Up to 48 ports of HPE Smart Rate (1G/2.5G/5G/10 GbE)                                                                                                       |
| <b>Latency</b>                    |                                                                                                                                                            | 1Gbps: 4.24Sec,<br>10Gbps: 1.50Sec,<br>25Gbps: 2.91Sec,<br>50Gbps1: 3.49Sec                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                            |
| <b>Routing/switching capacity</b> |                                                                                                                                                            | 880 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                            |
| <b>Switching capacity</b>         | Up to 880 Gbps to 1760 Gbps, depending on model and configuration                                                                                          | 780 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Up to 880 Gbps to 1760 Gbps, depending on model and configuration                                                                                          |
| <b>Stacking capabilities</b>      | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                         | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                                                                                                                                                                                                                                                                                                                         | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                         |
| <b>Throughput</b>                 | Up to 660 Mpps to 1310 Mpps, depending on model and configuration                                                                                          | 580 Mpps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Up to 660 Mpps to 1310 Mpps, depending on model and configuration                                                                                          |
| <b>Memory and processor</b>       | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration | Quad Core Arm Cortex™ A72 @ 1.8GHz,<br>8 GB DDR4, 32 GB eMMC<br><br>16 MB Shared Packet Buffer Memory                                                                                                                                                                                                                                                                                                                                                                                                                                      | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration |

|                            | HPE Aruba Networking CX 6300M 24p SFP+ 1G/10G 4p SFP56 50G TAA Switch (SOG03A)                                                                                                                            | HPE Aruba Networking CX 6300M 24p SFP+ LRM support and 2p 50G and 2p 25G MACSec Switch (R8S92A)                                                                                                           | HPE Aruba Networking CX 6300M 24p Smart Rate 1G/2.5G/5G Class6 PoE 4p SFP56 50G TAA Switch (SOG05A)                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Power supply</b>        |                                                                                                                                                                                                           | 2 field-replaceable, hot-swappable power supply slots<br>1 minimum power supply required (ordered separately)<br>Supported PSUs<br>JL085A<br>JL757A                                                       |                                                                                                                                                                                                           |
| <b>PoE capability</b>      |                                                                                                                                                                                                           |                                                                                                                                                                                                           | Max PoE Power: Up to 370W, 720W, 1440W, 2640W, or 2880W, depending on model and installed power supplies                                                                                                  |
| <b>Management features</b> | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON |
| <b>Warranty</b>            | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     |

|                   | HPE Aruba Networking CX 6300M 24p Smart Rate 1G/2.5G/5G/10G Class6 PoE 2p 50G 2p 25G Switch (R8S89A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | HPE Aruba Networking CX 6300M 32p 1G 16p SmtRt 5G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P41A)                                                                                                                 | HPE Aruba Networking CX 6300M 32p 1G 16p SmtRt 5G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec TAA Sw (S4P45A)                                                                                                                 |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Differentiator    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A)<br>Includes Fantrays Min2 / Max 2 (JL669B)<br>Min=0 \ Max = 2 SFP+/SFP28 10/25G Transceiver<br>Min=0 \ Max = 2 SFP+/SFP28/SFP56 10/25/50G Transceiver<br>1U - Height | PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A)<br>Includes Fantrays Min2 / Max 2 (JL669B)<br>Min=0 \ Max = 2 SFP+/SFP28 10/25G Transceiver<br>Min=0 \ Max = 2 SFP+/SFP28/SFP56 10/25/50G Transceiver<br>1U - Height |
| Power consumption | With JL086A PSU:<br>Hibernation (0 rpm fan): 37W<br>Idle: 90W<br>100% Traffic Rate: 143W<br>With JL087A PSU:<br>Hibernation (0 rpm fan):41W<br>Idle: 90W<br>100% Traffic Rate: 140W<br>With JL670A PSU:<br>Hibernation (0 rpm fan): 35W<br>Idle: 101W<br>100% Traffic Rate: 152W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | With JL670A PSU:<br>Idle: 103W<br>100% Traffic Rate: 134W<br><br>With JL758A PSU:<br>Idle: 111W<br>100% Traffic Rate: 135W                                                                                                    | With JL670A PSU:<br>Idle: 103W<br>100% Traffic Rate: 134W<br><br>With JL758A PSU:<br>Idle: 111W<br>100% Traffic Rate: 135W                                                                                                    |
| Input voltage     | JL670A PSU: 110V-120V/208V-240V<br>JL086A PSU: 100V-240V<br>JL087A PSU: 110V-240V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 1050W 110 AC / 1600W 220 AC - JL670A<br>680W 110-240 AC - JL086A<br>1050W 110-240 AC - JL087A<br>1050W 36-72VDC - JL758A                                                                                                      | 1050W 110 AC / 1600W 220 AC - JL670A<br>680W 110-240 AC - JL086A<br>1050W 110-240 AC - JL087A<br>1050W 36-72VDC - JL758A                                                                                                      |
| Ports             | 24-port Smart Rate 100M**/1G/2.5G/5G/10G BaseT Class 6 PoE ports supporting up to 60W per port (MACSEC)<br><br>2x 10G/25G/50G* SFP ports<br>2x 10G/25G SFP ports (MACSEC)<br><br>Supports PoE Standards IEEE 802.3af, 802.3at and 802.3bt (up to 60W)<br><br>1x USB-C Console Port<br>1x RJ Console Port<br>1x OOBM port<br>1x USB Type A Host port<br><br>Notes:<br>*50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G transceivers and DACs are not supported on S0E91A and SOX44A switch models, which requires QSFP to SFP56 DAC cable for VSF stacking with other CX 6300F and CX 6300M switch models only. VSF stacking not supported on 1G ports.<br>**100M use on Smart Rate ports is limited to full duplex only. For 100M half duplex support, use 1G ports on other models. | 1x USBC Console Port<br>1x OOBM pot<br>1x USB Type A Host port                                                                                                                                                                | 1x USBC Console Port<br>1x OOBM port<br>1x USB Type A Host port                                                                                                                                                               |

|                                   | HPE Aruba Networking CX 6300M 24p Smart Rate 1G/2.5G/5G/10G Class6 PoE 2p 50G 2p 25G Switch (R8S89A)                                                                                                      | HPE Aruba Networking CX 6300M 32p 1G 16p SmtRt 5G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P41A)                                                                                             | HPE Aruba Networking CX 6300M 32p 1G 16p SmtRt 5G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec TAA Sw (S4P45A)                                                                                             |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Latency</b>                    | 1Gbps: 4.24Sec,<br>10Gbps: 1.50Sec,<br>25Gbps: 2.91Sec,<br>50Gbps1: 3.49Sec                                                                                                                               |                                                                                                                                                                                                           |                                                                                                                                                                                                           |
| <b>Routing/switching capacity</b> | 880 Gbps                                                                                                                                                                                                  |                                                                                                                                                                                                           |                                                                                                                                                                                                           |
| <b>Switching capacity</b>         | 780 Gbps                                                                                                                                                                                                  | 524 Gbps                                                                                                                                                                                                  | 524 Gbps                                                                                                                                                                                                  |
| <b>Stacking capabilities</b>      | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                        | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                        | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                        |
| <b>Throughput</b>                 | 580 Mpps                                                                                                                                                                                                  |                                                                                                                                                                                                           |                                                                                                                                                                                                           |
| <b>Memory and processor</b>       | Quad Core Arm Cortex™ A72 @ 1.8GHz,<br>8 GB DDR4, 32 GB eMMC<br><br>16 MB Shared Packet Buffer Memory                                                                                                     | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                                | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                                |
| <b>Power supply</b>               | 2 field-replaceable, hot-swappable power supply slots<br>1 minimum power supply required (ordered separately)<br>Supported PSUs<br>JL086A<br>JL087A<br>JL670A<br>JL758A<br>Max PoE Power: 2880W           |                                                                                                                                                                                                           |                                                                                                                                                                                                           |
| <b>PoE capability</b>             | Max PoE Power: 2880W                                                                                                                                                                                      | Max PoE Power : 2880W                                                                                                                                                                                     | Max PoE Power : 2880W                                                                                                                                                                                     |
| <b>Management features</b>        | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON |
| <b>Warranty</b>                   | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     |

|                              | HPE Aruba Networking CX 6300M 32p SmtRt 5G 8p SFP+ 10G LRM 2p SFP56 50G 2p SFP28 25G MACsec TAA Sw (S4P46A)                                                                                                                                      | HPE Aruba Networking CX 6300M 32p SmtRt 5G CL8 8p SFP+ 10G LRM 2p SFP56 50G 2p SFP28 25G MACsec Sw (S4P42A)                                                                                                                                                                 | HPE Aruba Networking CX 6300M 48-port 1GbE and 4-port SFP56 Switch (JL663A)                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Differentiator</b>        | Includes 1 Prt2Pwr PSU, can select Min0 / Max1 (250W JL085A)<br>Includes 2 Prt2Pwr Fan trays (JL761A), with no open slots<br>Min=0 \ Max = 24 SFP/SFP+ 1/10 Transceiver<br>Min=0 \ Max = 4 SFP+/SFP28/SFP56 10/25/50G Transceiver<br>1U - Height | PSU Min1 / Max2 (680W JL086A,1050W JL087A, 1600W JL670A)<br>Includes Fantrays Min2 / Max 2 (JL669B)<br>Min=0 \ Max = 8 SFP/SFP+ 1/10G Transceiver<br>Min=0 \ Max = 2 SFP+/SFP28 10/25G Transceiver<br>Min=0 \ Max = 2 SFP+/SFP28/SFP56 10/25/50G Transceiver<br>1U - Height |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Power consumption</b>     | With JL670A PSU:<br>Idle: 106W<br>100% Traffic Rate: 159W<br><br>With JL758A PSU:<br>Idle: 118W<br>100% Traffic Rate: 156W                                                                                                                       | With JL670A PSU:<br>Idle: 106W<br>100% Traffic Rate: 159W<br><br>With JL758A PSU:<br>Idle: 118W<br>100% Traffic Rate: 156W                                                                                                                                                  | Idle: 56W<br>100% Traffic Rate: 75W                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Input voltage</b>         | 1050W 110 AC / 1600W 220 AC - JL670A<br>680W 110-240 AC - JL086A<br>1050W 110-240 AC - JL087A<br>1050W 36-72VDC - JL758A                                                                                                                         | 1050W 110 AC / 1600W 220 AC - JL670A<br>680W 110-240 AC - JL086A<br>1050W 110-240 AC - JL087A<br>1050W 36-72VDC - JL758A                                                                                                                                                    | JL085A PSU: 100V240V                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Ports</b>                 | 1x USBC Console Port<br>1x OOBM port<br>1x USB Type A Host port                                                                                                                                                                                  | 1x USBC Console Port<br>1x OOBM port<br>1x USB Type A Host port                                                                                                                                                                                                             | 48-port 10/100/1000 BaseT ports;<br><br>4x 1G/10G/25G/50G* SFP ports;<br><br>1x USBC Console Port;<br>1x OOBM port;<br>1x USB Type A Host port<br><br>Notes:<br>*50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G transceivers and DACs are not supported on SOE91A and SOX44A switch models, which requires QSFP to SFP56 DAC cable for VSF stacking with other CX 6300F and CX 6300M switch models only. VSF stacking not supported on 1G ports. |
| <b>Latency</b>               |                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                             | 1Gbps: 2.28Sec,<br>10Gbps: 1.46Sec,<br>25Gbps: 1.90Sec,<br>50Gbps: 3.49Sec                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Switching capacity</b>    | 780 Gbps                                                                                                                                                                                                                                         | 780 Gbps                                                                                                                                                                                                                                                                    | 496 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Stacking capabilities</b> | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                               | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                                                          | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Throughput</b>            |                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                             | 369 Mpps                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

|                             | HPE Aruba Networking CX 6300M 32p SmtRt 5G 8p SFP+ 10G LRM 2p SFP56 50G 2p SFP28 25G MACsec TAA Sw (S4P46A)                                                                                               | HPE Aruba Networking CX 6300M 32p SmtRt 5G CL8 8p SFP+ 10G LRM 2p SFP56 50G 2p SFP28 25G MACsec Sw (S4P42A)                                                                                               | HPE Aruba Networking CX 6300M 48-port 1GbE and 4-port SFP56 Switch (JL663A)                                                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Memory and processor</b> | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                                | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                                | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                                |
| <b>PoE capability</b>       | Max PoE Power : 2880W                                                                                                                                                                                     | Max PoE Power : 2880W                                                                                                                                                                                     |                                                                                                                                                                                                           |
| <b>Management features</b>  | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON |
| <b>Warranty</b>             | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     |

|                              | HPE Aruba Networking CX 6300M 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL661A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | HPE Aruba Networking CX 6300M 48-port HPE Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch (JL659A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | HPE Aruba Networking CX 6300M 48G Power-to-Port Airflow 2 Fans 1 Power Supply Unit Bundle (R9F63A) |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>Power consumption</b>     | With JL086A PSU:<br>Idle: 70W<br>100% Traffic Rate: 90W<br>With JL087A PSU:<br>Idle: 71W<br>100% Traffic Rate: 88W<br>With JL670A PSU:<br>Idle: 73W<br>100% Traffic Rate: 96W                                                                                                                                                                                                                                                                                                                                                                                                 | With JL086A PSU:<br>Idle: 133W<br>100% Traffic Rate: 199W<br>With JL087A PSU:<br>Idle: 138W<br>100% Traffic Rate: 193W<br>With JL670A PSU:<br>Idle: 140W<br>100% Traffic Rate: 201Wsupply)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 75 W (maximum)                                                                                     |
| <b>Input voltage</b>         | JL670A PSU:<br>110V120V/208V240V<br>JL086A PSU: 100V240V<br>JL087A PSU: 110V240V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | JL670A PSU:<br>110V120V/208V240V<br>JL086A PSU: 100V240V<br>JL087A PSU: 110V240V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 100-240 VAC                                                                                        |
| <b>Ports</b>                 | 48-port 10/100/1000 BaseT PoE+ ports supporting up to 30W per port;<br><br>4x 1G/10G/25G*/50G SFP ports;<br><br>Supports PoE Standards IEEE 802.3af, 802.3at;<br><br>1x USBC Console Port;<br>1x OOBM port;<br>1x USB Type A Host port<br><br>Notes:<br>*50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G transceivers and DACs are not supported on SOE91A and SOX44A switch models, which requires QSFP to SFP56 DAC cable for VSF stacking with other CX 6300F and CX 6300M switch models only. VSF stacking not supported on 1G ports. | 48-port Smart Rate 100M**/1G/2.5G/5G BaseT Class 6 PoE ports supporting up to 60W per port;<br><br>4x 1G/10G/25G*/50G SFP ports;<br><br>Supports PoE Standards IEEE 802.3af, 802.3at and 802.3bt (up to 60W);<br><br>1x USBC Console Port;<br>1x OOBM port;<br>1x USB Type A Host port<br><br>Notes:<br>*50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G transceivers and DACs are not supported on SOE91A and SOX44A switch models, which requires QSFP to SFP56 DAC cable for VSF stacking with other CX 6300F and CX 6300M switch models only. VSF stacking not supported on 1G ports.<br>**100M use on Smart Rate ports is limited to full duplex only. For 100M half duplex support, use 1G ports on other models. | 48x 10/100/1000 BASE-T ports, 4x 1/10/25/50G SFP ports                                             |
| <b>Latency</b>               | 1Gbps: 2.28Sec,<br>10Gbps: 1.46Sec,<br>25Gbps: 1.90Sec,<br>50Gbps: 3.49Sec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1Gbps: 4.24Sec,<br>10Gbps: 1.50Sec,<br>25Gbps: 2.91Sec,<br>50Gbps: 3.49Sec                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1Gbps: 2.28Sec,<br>10Gbps: 1.46Sec,<br>25Gbps: 1.90Sec,<br>50Gbps: 3.49Sec                         |
| <b>Switching capacity</b>    | 496 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 880 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 496 Gbps                                                                                           |
| <b>Stacking capabilities</b> | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches |
| <b>Throughput</b>            | 369 Mpps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 654 Mpps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 369 Mpps                                                                                           |

|                             | HPE Aruba Networking CX 6300M 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL661A)                                                                                                                | HPE Aruba Networking CX 6300M 48-port HPE Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch (JL659A)                                                                                           | HPE Aruba Networking CX 6300M 48G Power-to-Port Airflow 2 Fans 1 Power Supply Unit Bundle (R9F63A)                                                                                                     |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Memory and processor</b> | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                             | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                             | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                             |
| <b>PoE capability</b>       | Max PoE Power: 1440W                                                                                                                                                                                   | Max PoE Power: 2880W                                                                                                                                                                                   |                                                                                                                                                                                                        |
| <b>Management features</b>  | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software Command-line interface<br>SNMP v2c/v3<br>RMON |
| <b>Warranty</b>             | Limited lifetime warranty. See the warranty duration.                                                                                                                                                  | Limited lifetime warranty. See the warranty duration.                                                                                                                                                  | Limited lifetime warranty. See the warranty duration.                                                                                                                                                  |

|                              | HPE Aruba Networking CX 6300M 48p 10M/100M/1G 4p SFP56 50G Power-to-Port 2xFan PSU TAA Bundle (SOG02A)                                                                                                    | HPE Aruba Networking CX 6300M 48p 10M/100M/1G 4p SFP56 50G TAA Switch (SOG00A)                                                                                                                            | HPE Aruba Networking CX 6300M 48p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (SOG06A)                                                                                                                 |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ports</b>                 | Up to 48 ports of HPE Smart Rate (1G/2.5G/5G/10 GbE)                                                                                                                                                      | Up to 48 ports of HPE Smart Rate (1G/2.5G/5G/10 GbE)                                                                                                                                                      | Up to 48 ports of HPE Smart Rate (1G/2.5G/5G/10 GbE)                                                                                                                                                      |
| <b>Switching capacity</b>    | Up to 880 Gbps to 1760 Gbps, depending on model and configuration                                                                                                                                         | Up to 880 Gbps to 1760 Gbps, depending on model and configuration                                                                                                                                         | Up to 880 Gbps to 1760 Gbps, depending on model and configuration                                                                                                                                         |
| <b>Stacking capabilities</b> | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                        | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                        | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                        |
| <b>Throughput</b>            | Up to 660 Mpps to 1310 Mpps, depending on model and configuration                                                                                                                                         | Up to 660 Mpps to 1310 Mpps, depending on model and configuration                                                                                                                                         | Up to 660 Mpps to 1310 Mpps, depending on model and configuration                                                                                                                                         |
| <b>Memory and processor</b>  | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                                | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                                | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                                |
| <b>PoE capability</b>        |                                                                                                                                                                                                           | ##BLAN##BLANK##K##                                                                                                                                                                                        | Max PoE Power: Up to 370W, 720W, 1440W, 2640W, or 2880W, depending on model and installed power supplies                                                                                                  |
| <b>Management features</b>   | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON |
| <b>Warranty</b>              | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     |

|                   | HPE Aruba Networking CX 6300M 48p 1GbE 4p SFP56 Power-to-Port 2 Fan Trays 1 PSU Bundle (JL762A)                                                                                                                                                                                                                                                                                                                                                                                       | HPE Aruba Networking CX 6300M 48p HPE Smart Rate 1G/2.5G/5G Class8 PoE 2p 50G 2p 25G Switch (R8S90A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | HPE Aruba Networking CX 6300M 48p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P43A)                                                                                                                                                 |
|-------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Differentiator    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | PSU Min1 / Max2 (250W JL085A)<br>Includes Fantrays Min2 / Max 2 (JL669B)<br>Min=0 \ Max = 48 SFP 1G Transceiver<br>Min=0 \ Max = 2 SFP+/SFP28 10/25G Transceiver<br>Min=0 \ Max = 2 SFP+/SFP28/SFP56 10/25/50G Transceiver<br>1U - Height |
| Power consumption | Idle: 56W<br>100% Traffic Rate: 75W                                                                                                                                                                                                                                                                                                                                                                                                                                                   | With JL086A PSU:<br>Hibernation (0 rpm fan): 43W<br>Idle: 104W<br>100% Traffic Rate: 173W<br>With JL087A PSU:<br>Hibernation (0 rpm fan): 41W<br>Idle: 104W<br>100% Traffic Rate: 173W<br>With JL670A PSU:<br>Hibernation (0 rpm fan): 37W<br>Idle: 115W<br>100% Traffic Rate: 184W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | With JL085A PSU:<br>Idle: 67W<br>100% Traffic Rate: 127W<br><br>With JL757A PSU:<br>Idle: 61W<br>100% Traffic Rate: 123W                                                                                                                  |
| Input voltage     | JL760A PSU: 100V-240V                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | JL670A PSU: 110V-120V/208V-240V<br>JL086A PSU: 100V-240V<br>JL087A PSU: 110V-240V                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 250W AC 110-240 AC - JL085A<br>250W DC 36-72VDC - JL757A                                                                                                                                                                                  |
| Ports             | 48-port 10/100/1000 BaseT ports;<br><br>4x 1G/10G/25G/50G* SFP ports;<br><br>1x USBC Console Port;<br>1x OOBM port;<br>1x USB Type A Host port<br><br>Notes:<br>*50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G transceivers and DACs are not supported on SOE91A and SOX44A switch models, which requires QSFP to SFP56 DAC cable for VSF stacking with other CX 6300F and CX 6300M switch models only. VSF stacking not supported on 1G ports. | 48-port Smart Rate 100M**/1G/2.5G/5G BaseT Class 8 PoE ports supporting up to 90W per port (MACsec);<br><br>2x 10G/25G/50G* SFP ports;<br>2x 10G/25G SFP ports (MACsec);<br><br>Supports PoE Standards IEEE 802.3af, 802.3at and 802.3bt (up to 90W)<br><br>1x USBC Console Port;<br>1x RJ Console Port;<br>1x OOBM port;<br>1x USB Type A Host port<br><br>Notes:<br>*50G capability is for use with 50G DACs for both interconnect and VSF stacking. 50G transceivers and DACs are not supported on SOE91A and SOX44A switch models, which requires QSFP to SFP56 DAC cable for VSF stacking with other CX 6300F and CX 6300M switch models only. VSF stacking not supported on 1G ports.<br>**100M use on Smart Rate ports is limited to full duplex only. For 100M half duplex support, use 1G ports on other models. | 1x USBC Console Port<br>1x OOBM port<br>1x USB Type A Host port                                                                                                                                                                           |

|                                   | HPE Aruba Networking CX 6300M 48p 1GbE 4p SFP56 Power-to-Port 2 Fan Trays 1 PSU Bundle (JL762A)                                                                                                           | HPE Aruba Networking CX 6300M 48p HPE Smart Rate 1G/2.5G/5G Class8 PoE 2p 50G 2p 25G Switch (R8S90A)                                                                                                      | HPE Aruba Networking CX 6300M 48p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P43A)                                                                                                                 |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Latency</b>                    | 1Gbps: 2.28Sec,<br>10Gbps: 1.46Sec,<br>25Gbps: 1.90Sec,<br>50Gbps: 3.49Sec                                                                                                                                | 1Gbps: 4.24Sec,<br>10Gbps: 1.50Sec,<br>25Gbps: 2.91Sec,<br>50Gbps1: 3.49Sec                                                                                                                               |                                                                                                                                                                                                           |
| <b>Routing/switching capacity</b> |                                                                                                                                                                                                           | 880 Gbps                                                                                                                                                                                                  |                                                                                                                                                                                                           |
| <b>Switching capacity</b>         | 496 Gbps                                                                                                                                                                                                  | 780 Gbps                                                                                                                                                                                                  | 396 Gbps                                                                                                                                                                                                  |
| <b>Stacking capabilities</b>      | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                        | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                        | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                        |
| <b>Throughput</b>                 | 369 Mpps                                                                                                                                                                                                  | 580 Mpps                                                                                                                                                                                                  |                                                                                                                                                                                                           |
| <b>Memory and processor</b>       | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                                | Quad Core Arm Cortex™ A72 @ 1.8GHz,<br>8 GB DDR4, 32 GB eMMC<br><br>16 MB Shared Packet Buffer Memory                                                                                                     | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                                |
| <b>Power supply</b>               |                                                                                                                                                                                                           | 2 field-replaceable, hot-swappable power supply slots<br>1 minimum power supply required (ordered separately)<br>Supported PSUs<br>JL086A<br>JL087A<br>JL670A<br>JL758A<br>Max PoE Power: 2880W           |                                                                                                                                                                                                           |
| <b>PoE capability</b>             |                                                                                                                                                                                                           | Max PoE Power: 2880W                                                                                                                                                                                      |                                                                                                                                                                                                           |
| <b>Management features</b>        | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON |
| <b>Warranty</b>                   | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     |

|                              | HPE Aruba Networking CX 6300M 48p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S4P47A)                                                                                                                                             | HPE Aruba Networking CX 6300M 48p Smart Rate 1G/2.5G/5G Class6 PoE 4p SFP56 50G TAA Switch (S0G04A) | HPE Aruba Networking CX 6300M 48p SR10 1G/2.5G/5G/10G PTP/AVB Class8 PoE and 4p 100G MACsec Switch (SOE91A)                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Differentiator</b>        | PSU Min1 / Max2 (250W JL085A)<br>Includes Fantrays Min2 / Max 2 (JL669B)<br>Min=0 \ Max = 48 SFP 1G Transceiver<br>Min=0 \ Max = 2 SFP+/SFP28 10/25G Transceiver<br>Min=0 \ Max = 2 SFP+/SFP28/SFP56 10/25/50G Transceiver<br>1U - Height |                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Power consumption</b>     | With JL085A PSU:<br>Idle: 67W<br>100% Traffic Rate: 127W<br><br>With JL757A PSU:<br>Idle: 61W<br>100% Traffic Rate: 123W                                                                                                                  |                                                                                                     | With single JL086A PSU:<br>Idle: 207W<br>100% Traffic Rate: 283W<br>With single JL087A PSU:<br>Idle: 208W<br>100% Traffic Rate: 282W<br>With single JL670A PSU:<br>Idle: 211W<br>100% Traffic Rate: 283W                                                                                                                                                                                                                                                                                                            |
| <b>Input voltage</b>         | 250W AC 110-240 AC - JL085A<br>250W DC 36-72VDC - JL757A                                                                                                                                                                                  |                                                                                                     | JL670A PSU: 110V-120V/200V/208V-240V; AC input<br>JL086A PSU: 100V-240V; AC input<br>JL087A PSU: 110V-240V; AC input<br>JL758A PSU: 36-72VDC; DC input                                                                                                                                                                                                                                                                                                                                                              |
| <b>Ports</b>                 | 1x USBC Console Port<br>1x OOBM port<br>1x USB Type A Host port                                                                                                                                                                           | Up to 48 ports of HPE Smart Rate (1G/2.5G/5G/10 GbE)                                                | 48-port SmartRate 100M**/1G/2.5G/5G/10G BaseT Class 8 PoE ports supporting up to 90W per port (MACsec)<br>4x 10G/25G/40G/100G QSFP/QSFP28 ports (MACsec)<br><br>Supports PoE Standards IEEE 802.3af, 802.3at and 802.3bt (up to 90W)<br>1x USBC Console Port (higher priority than RJ45 console port)<br><br>1x RJ45 console port<br>1x OOBM<br>1x USB Type A Host port<br><br>Notes:<br>**100M use on Smart Rate ports is limited to full duplex only. For 100M half duplex support, use 1G ports on other models. |
| <b>Switching capacity</b>    | 396 Gbps                                                                                                                                                                                                                                  | Up to 880 Gbps to 1760 Gbps, depending on model and configuration                                   | 1760 Gbps                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Stacking capabilities</b> | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                        | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches  | Up to 10 switches per stack<br><br>NOTE: CX 6300L switches only stack with other CX 6300L switches                                                                                                                                                                                                                                                                                                                                                                                                                  |

|                             | HPE Aruba Networking CX 6300M 48p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S4P47A)                                                                                                             | HPE Aruba Networking CX 6300M 48p Smart Rate 1G/2.5G/5G Class6 PoE 4p SFP56 50G TAA Switch (S0G04A)                                                                                                       | HPE Aruba Networking CX 6300M 48p SR10 1G/2.5G/5G/10G PTP/AVB Class8 PoE and 4p 100G MACsec Switch (SOE91A)                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Throughput</b>           |                                                                                                                                                                                                           | Up to 660 Mpps to 1310 Mpps, depending on model and configuration                                                                                                                                         | 1310 Mpps                                                                                                                                                                                                 |
| <b>Memory and processor</b> | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                                | Quad Core Arm Cortex™ A72 @ 1.8GHz<br>8 GB DDR4, 32 GB eMMC<br><br>8 MB, 16 MB, or 32 MB Shared Packet Buffer Memory, depending on model and configuration                                                | Quad Core Arm Cortex™ A72 @ 1.8GHz,<br>8 GB DDR4, 32 GB eMMC<br><br>32 MB Shared Packet Buffer Memory                                                                                                     |
| <b>Power supply</b>         |                                                                                                                                                                                                           |                                                                                                                                                                                                           | 2 field-replaceable, hot-swappable power supply slots 1 minimum power supply required (ordered separately)<br><br>Supported PSUs<br>JL086A<br>JL087A<br>JL670A<br>JL758A<br>Max PoE Power: 2640W          |
| <b>PoE capability</b>       |                                                                                                                                                                                                           | Max PoE Power: Up to 370W, 720W, 1440W, 2640W, or 2880W, depending on model and installed power supplies                                                                                                  | Max PoE Power: 2640W                                                                                                                                                                                      |
| <b>Management features</b>  | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON | HPE Aruba Networking Central Network Management<br>HPE Aruba Networking Management Software (AirWave)<br>HPE Aruba Networking Switch Multi-Edit Software<br>Command-line interface<br>SNMP v2c/v3<br>RMON |
| <b>Warranty</b>             | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     | Limited lifetime warranty. See the warranty duration.                                                                                                                                                     |

# HPE Aruba Networking Services

HPE Aruba Networking services simplify and accelerate the network technology lifecycle, enabling your network to scale with better predictability and cost-effectiveness. Whether you operate your own network and need to improve your IT efficiencies, or you want to offload some of the burden, we have the services you need to reach your goals.

Learn more about what HPE Services - Aruba Networking has to offer at: [hpe.com/edge/services](https://hpe.com/edge/services)

## Support Services

Our support portfolio provides the essential support elements as well as proactive and preventive features to help you improve your team's productivity and get the most from your network. Our support customers benefit from faster issue resolution, simplified operations and efficiencies, and reduced network issues.

## Professional Services

With deep intellectual capital and purpose-built tools, our team delivers a range of standard and custom professional services designed to accelerate your value from HPE Aruba Networking technology.

|                                                 |                                              |
|-------------------------------------------------|----------------------------------------------|
| <b>Project based services include:</b>          | <b>Annual subscription services include:</b> |
| — Planning, audit, and assessment               | — Network optimization                       |
| — Architecture review and design                | — Intelligent Operations                     |
| — Deployment, migration, and knowledge transfer | — Customer Experience Management             |

Our [Education Services](#) allow your team to come up to speed quickly.

## HPE GreenLake for Networking

Our NaaS solution, is part of the HPE GreenLake services family, and simplifies network operations, accelerates equipment handling, and increases the value of your HPE Aruba Networking solution. If you need expert guidance and automation-based operations for your team, please explore our NaaS approach through HPE GreenLake for Networking.

[For additional technical information,  
available models and options, please  
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