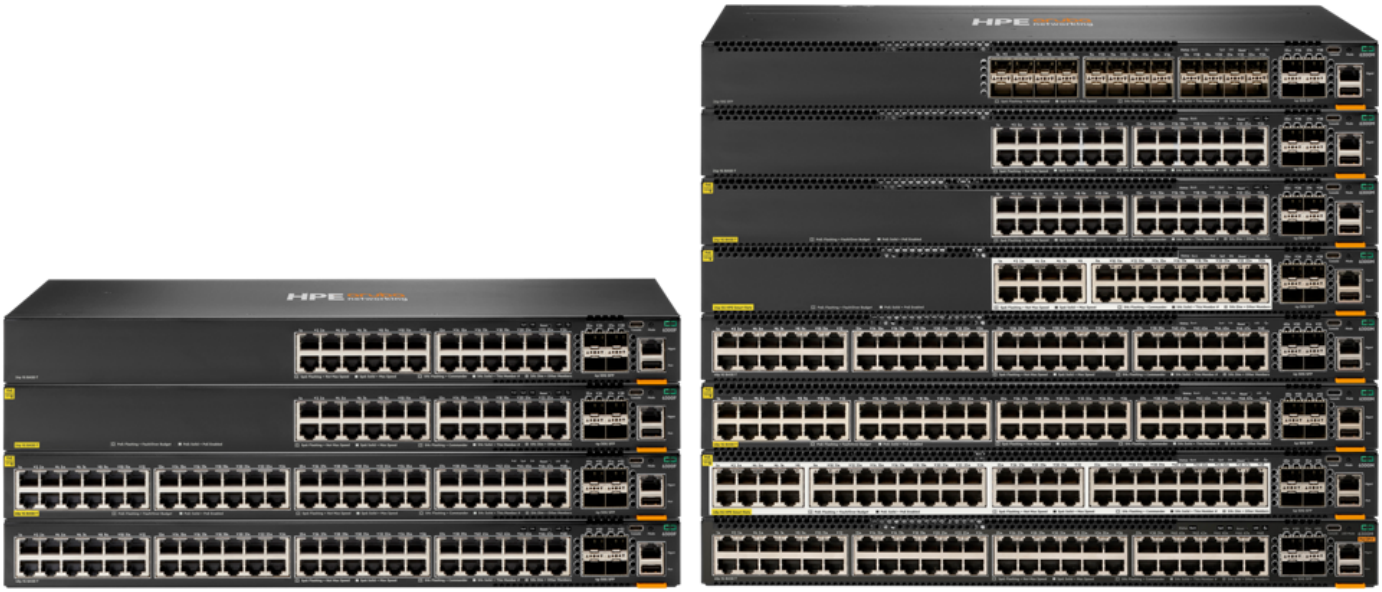
Data sheet

HPE Networking CX6300 Switch Series



What's new

- HPE Networking CX6300 Series delivers stackable Layer 3 switching with BGP, EVPN, VXLAN, VRF, OSPF routing, robust QoS, MACsec 256, PTP, AVB and LRM; these features are not supported on CX6300L
- Three stackable Layer 2-only CX6300L switches with HPE Smart Rate multi-gigabit and MACsec 256 encryption are available for high-performance access deployments
- Powerful 7th Gen ASIC architecture provides the CX6300 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

Overview

The HPE Networking CX6300 Switch Series is a modern, flexible, and intelligent family of stackable switches ideal for access, aggregation, and data center top-of-rack (ToR). It features a cloud-native design and fully programmable operating system (OS). The CX6300 delivers advanced monitoring and troubleshooting with capabilities such as a real-time Network Analytics Engine, HPE Networking Switch Multi-Edit Software and flexible deployment options to implement and validate network configurations.

A powerful Gen7 ASIC architecture delivers fast, non-blocking performance for AI, Wi-Fi 7, and Internet of Things (IoT) requirements. Virtual Stacking Framework (VSF) allows for stacking of up to 10 switches, providing scale and simplified management. The new CX6300M switches deliver 90W Class 8 PoE (up to 4320W of PoE budget), enhanced uplink capabilities up to 50G, MACsec/PTP/AVB support, and improved support for high-power enterprise and Wi-Fi 7 deployment.

- High-availability with choice between 2 to 10-member Virtual Switching Framework (VSF) stacking for scale, or 2-member Virtual Switching Extension (VSX) cluster for active-active redundancy

- 24 to 48 HPE Smart Rate multi-gigabit ports (1/2.5/5/10GbE) and 1 GbE fiber, supporting up to 90W 802.3bt PoE. New 24/48 port CX6300M models provide 90W power simultaneously for up to 48 ports.

- Management, insights, and actions via HPE Aruba Networking Central or HPE Mist. Dynamic segmentation enables enhanced security and simple access for users and IoT

Features

AI-native performance and power

The HPE Networking CX6300 Switch Series is a wire-speed solution that uses a fully distributed architecture with Gen7 ASICs that deliver low latency, increased packet buffering, and intelligent power consumption for AI, Wi-Fi 7, and Internet of Things (IoT) requirements.

The 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.

The Virtual Switching Extension (VSX) uses an inter-switch link (ISL) for high availability and state synchronization between two active-active switches with independent control planes; a switch can belong to either a Virtual Switching Framework (VSF) stack or a VSX cluster, but not both.

HPE Smart Rate multi-gigabit Ethernet delivers adaptive speed options for Wi-Fi, Internet of Things (IoT), and other clients, alongside Class 4 (30W), Class 6 (60W), and Class 8 (90W) PoE on each port (720W, 1440W, 2880W and 4320W maximum PoE budget options).

Additional features include a hibernation mode that enables CX6300 and CX6300L (Layer 2-only) switches to schedule downtime to conserve energy. The CX6300L stackable switches are Layer 2-only, balancing scalability, high-capacity, and cost-effective connectivity.

Automation and analytics

The HPE Networking CX6300 Switch Series delivers enhanced visibility with built-in analytics for real-time monitoring and a time series database (TSDB) that stores configuration and operational state data, making it available to quickly resolve network issues.

HPE Aruba Networking Central provides secure, AI-native full-stack network management and operations to optimize performance, accelerate troubleshooting, and unify wired networks with Wi-Fi, wide area networks, and more.

The Network Analytics Engine (NAE) provides real-time insights and actions, analyzing events that can impact network health and even mitigating problems directly through quarantining to support network, application, system and security operations.

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

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

Full stack management and security

The HPE Networking CX6300 Switch Series is supported on HPE Aruba Networking Central or HPE Mist delivering 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 Networking wired and wireless infrastructures.

Improve visibility, performance, end-user experience and simplify IT operations with auto profiling, RBAC, L7 firewall. Application recognition and control are available via CX Advanced Feature Pack. These features are not supported on CX6300L switches.

Switch-to-switch tunnels enable scalable multi-tenancy support with Virtual Extensible Local-Area Networks (VXLAN) to VRF mapping, while allowing policy application through user roles; these features are not supported on CX6300L switches.

Reduce manual IT operations tasks around initial deployment or ongoing configuration changes to accommodate adds, moves, and changes with colorless ports using local user roles and local MAC authentication (LMA).

Deploy in data center topologies

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

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

Technical specifications	HPE Networking CX6300 Switch Series
Power consumption	Up to 211W depending on model
Input voltage	Maximum 120V/208V–240V depending on PSU model
Latency	Depending on model
Switching capacity	From to 880 Gbps to 1760 Gbps, depending on model and configuration
Stacking capabilities	Up to 10 members per stack. Note: CX6300L switches only stack with other CX6300L switches
Throughput	From to 660 Mpps to 1310 Mpps, depending on model and configuration
Memory and processor	CPU: Quad-core Arm® Cortex®-A72 @ 1.8 GHz Memory: 8 GB DDR4, 32 GB eMMC Flash: 8 MB, 16 MB, or 32 MB, depending on model and configuration
Power supply	2 field-replaceable, hot-swappable power supply slots
Operating temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate 1°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 360 hours total (15 days) in 1 year.
Management features	Management, insights, and actions via HPE Aruba Networking Central or HPE Mist (Requires OS-CX10.18.1002)
Warranty	Limited lifetime warranty. See warranty details.
Shipping weight	6.02 kg, maximum, depending on model
Shipping dimensions	4.4 x 44.2 x 38.5 cm, maximum, depending on model
Fans	The switch has two fan tray slots and comes with one or two fan trays installed depending on the model. Fan trays are field replaceable and hot-swappable. Each fan tray contains two fans.

SKU comparison

	HPE Networking CX6300F 24-port 1GbE and 4-port SFP56 Switch (JL668A)	HPE Networking CX6300F 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL666A)	HPE Networking CX6300F 24p 10M/100M/1G 4p SFP56 50G TAA Switch (S0G98A)	HPE Networking CX6300F 24p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (S0G96A)	HPE Networking CX6300F 48-port 1GbE and 4-port SFP56 Switch (JL667A)
Differentiator	Fixed 24p 1 GbE and 4p SFP56 Non-PoE	Fixed 24p 1 GbE and 4p SFP56 Class 4 PoE (30W)	Fixed 24p 10M/100M/1G and 4p SFP56 50G Non-PoE TAA Compliant	Fixed 24p 10M/100M/1G and 4p SFP56 50G Class 4 PoE (30W) TAA Compliant	Fixed 48p 1 GbE and 4p SFP56 Non-PoE
Power consumption	Idle: 39W 100% Traffic: 70W	Idle: 58W 100% Traffic: 95W	Idle: 39W 100% Traffic: 70W	Idle: 58W 100% Traffic: 95W	Idle: 49W 100% Traffic: 85W
Input voltage	Fixed PSU: 100V–120V/200V–240V	Fixed PSU: 100V–120V/200V–240V	Fixed PSU: 100V120V/200V240V	Fixed PSU: 100V120V/200V240V	Fixed PSU: 100V–120V/200V–240V

	HPE Networking CX6300F 24-port 1GbE and 4-port SFP56 Switch (JL668A)	HPE Networking CX6300F 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL666A)	HPE Networking CX6300F 24p 10M/100M/1G 4p SFP56 50G TAA Switch (S0G98A)	HPE Networking CX6300F 24p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (S0G96A)	HPE Networking CX6300F 48-port 1GbE and 4-port SFP56 Switch (JL667A)
Ports	24x 10/100/1000 BaseT ports 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at 1x USB-C console port 1x USB Type-A host port 1x OOBM port	24x 10/100/1000 BaseT ports supporting up to 30W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at 1x USB-C console port 1x USB Type-A host port 1x OOBM port	24x 10/100/1000 BaseT ports 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at 1x USB-C console port 1x USB Type-A host port 1x OOBM port [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports.	24x 10/100/1000 BaseT ports supporting up to 30W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at 1x USB-C console port 1x USB Type-A host port 1x OOBM port [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports.	48x 10/100/1000 BaseT ports 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at 1x USB-C console port 1x USB Type-A host port 1x OOBM port
Latency	1 Gbps: 2.28 s 10 Gbps: 1.46 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s				
Switching capacity	448 Gbps	448 Gbps	448 Gbps	448 Gbps	496 Gbps
Stacking capabilities	Up to 10 members per stack. Note: CX6300L switches only stack with other CX6300L switches				
Throughput	334 Mpps	334 Mpps	334 Mpps	334 Mpps	369 Mpps

	HPE Networking CX6300F 24-port 1GbE and 4-port SFP56 Switch (JL668A)	HPE Networking CX6300F 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL666A)	HPE Networking CX6300F 24p 10M/100M/1G 4p SFP56 50G TAA Switch (S0G98A)	HPE Networking CX6300F 24p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (S0G96A)	HPE Networking CX6300F 48-port 1GbE and 4-port SFP56 Switch (JL667A)
Memory and processor	CPU: Quad-core Arm® Cortex®-A72 @ 1.8 GHz Memory: 8 GB DDR4, 32 GB eMMC Flash: 8 MB, 16 MB, or 32 MB, depending on model and configuration				
Power supply	Internal (fixed) power supply (200W)	Internal (fixed) power supply (950W)	Internal (fixed) power supply (200W)	Internal (fixed) power supply (950W)	Internal (fixed) power supply (200W)
PoE capability		Maximum PoE power: 370W		Maximum PoE power: 370W	
Operating temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate 1°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 360 hours total (15 days) in 1 year.				
Management features	Management, insights, and actions via HPE Aruba Networking Central or HPE Mist (Requires OS-CX10.18.1002)				
Warranty	Limited lifetime warranty. See warranty details.				
Fans	Fixed fans				

	HPE Networking CX6300F 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL665A)	HPE Networking CX6300F 48p 10M/100M/1G 4p SFP56 50G TAA Switch (S0G97A)	HPE Networking CX6300F 48p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (S0G95A)	HPE Networking CX6300L 24p Smart Rate 1G/2.5G/5G/10G CL6 2p SFP56 50G 2p SFP28 25G L2 Switch (S3L75A)	HPE Networking CX6300L 48p Smart Rate 100M/1G/2.5G/5G CL8 2p SFP56 50G 2p SFP28 25G L2 Switch (S3L76A)
Differentiator	Fixed 48p 1 GbE and 4p SFP56 Class 4 PoE (30W)	Fixed 48p 10M/100M/1G and 4p SFP56 50G Non-PoE TAA Compliant	Fixed 48p 10M/100M/1G and 4p SFP56 50G Class 4 PoE (30W) TAA Compliant	Layer 2 Only 24p Smart Rate 100M/1G/2.5G/5G/10G and 2p 50G / 2p 25G Class 6 PoE (60W) L switch does not support Layer 3 features like in the F and M models	Layer 2 Only 48p Smart Rate 100M/1G/2.5G/5G and 2p 50G / 2p 25G Class 8 PoE (90W) L switch does not support Layer 3 features like in the F and M models
Power consumption	Idle: 73W 100% Traffic: 115W	Idle: 49W 100% Traffic: 85W	Idle: 73W 100% Traffic: 115W	Idle: 90W 100% Traffic: 143W	Idle: 88W 100% Traffic: 140W
Input voltage	Fixed PSU: 100V–120V/200V–240V	Fixed PSU: 100V120V/200V240V	Fixed PSU: 100V120V/200V240V	JL670A PSU: 110V–120V/208V–240V JL086A PSU: 100V–240V JL087A PSU: 110V–240V	JL670A PSU: 110V–120V/208V–240V JL086A PSU: 100V–240V JL087A PSU: 110V–240V

	HPE Networking CX6300F 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL665A)	HPE Networking CX6300F 48p 10M/100M/1G 4p SFP56 50G TAA Switch (S0G97A)	HPE Networking CX6300F 48p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (S0G95A)	HPE Networking CX6300L 24p Smart Rate 1G/2.5G/5G/10G CL6 2p SFP56 50G 2p SFP28 25G L2 Switch (S3L75A)	HPE Networking CX6300L 48p Smart Rate 100M/1G/2.5G/5G CL8 2p SFP56 50G 2p SFP28 25G L2 Switch (S3L76A)
Ports	48x 10/100/1000 BaseT PoE+ ports supporting up to 30W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at 1x USB-C console port 1x USB Type-A host port 1x OOBM port	48x 10/100/1000 BaseT ports 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at 1x USB-C console port 1x USB Type-A host port 1x OOBM port [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports.	48x 10/100/1000 BaseT PoE+ ports supporting up to 30W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at 1x USB-C console port 1x USB Type-A host port 1x OOBM port [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports.	24x HPE Smart Rate 100M [5]/1G/2.5G/5G BaseT Class 6 PoE ports supporting up to 60W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at and 802.3bt (up to 60W) 1x USB-C console port 1x USB Type-A host port 1x OOBM port [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports. [5] 100M use on HPE Smart Rate ports is limited to fullduplex only. For 100M halfduplex support, use 1G ports on other models.	48x HPE Smart Rate 100M [5]/1G/2.5G/5G BaseT Class 6 PoE ports supporting up to 60W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at and 802.3bt (up to 60W) 1x USB-C console port 1x USB Type-A host port 1x OOBM port [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports. [5] 100M use on HPE Smart Rate ports is limited to fullduplex only. For 100M halfduplex support, use 1G ports on other models.
Latency	1 Gbps: 2.28 s 10 Gbps: 1.46 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s	1 Gbps: 2.28 s 10 Gbps: 1.46 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s	1 Gbps: 2.28 s 10 Gbps: 1.46 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s	1 Gbps: 4.24 s 10 Gbps: 1.50 s 25 Gbps: 2.91 s 50 Gbps: 3.49 s	1 Gbps: 4.24 s 10 Gbps: 1.50 s 25 Gbps: 2.91 s 50 Gbps: 3.49 s
Switching capacity	496 Gbps	496 Gbps	496 Gbps	780 Gbps	780 Gbps

	HPE Networking CX6300F 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL665A)	HPE Networking CX6300F 48p 10M/100M/1G 4p SFP56 50G TAA Switch (S0G97A)	HPE Networking CX6300F 48p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (S0G95A)	HPE Networking CX6300L 24p Smart Rate 1G/2.5G/5G/10G CL6 2p SFP56 50G 2p SFP28 25G L2 Switch (S3L75A)	HPE Networking CX6300L 48p Smart Rate 100M/1G/2.5G/5G CL8 2p SFP56 50G 2p SFP28 25G L2 Switch (S3L76A)
Stacking capabilities	Up to 10 members per stack. Note: CX6300L switches only stack with other CX6300L switches				
Throughput	369 Mpps	369 Mpps	369 Mpps	580 Mpps	580 Mpps
Memory and processor	CPU: Quad-core Arm® Cortex®-A72 @ 1.8 GHz Memory: 8 GB DDR4, 32 GB eMMC Flash: 8 MB, 16 MB, or 32 MB, depending on model and configuration	CPU: Quad-core Arm® Cortex®-A72 @ 1.8 GHz Memory: 8 GB DDR4, 32 GB eMMC Flash: 8 MB, 16 MB, or 32 MB, depending on model and configuration	CPU: Quad-core Arm® Cortex®-A72 @ 1.8 GHz Memory: 8 GB DDR4, 32 GB eMMC Flash: 8 MB, 16 MB, or 32 MB, depending on model and configuration	Quad Core Arm® Cortex® A72 @ 1.8 GHz, 8 GB DDR4, 32 GB eMMC 16 MB Shared Packet Buffer Memory	Quad Core Arm® Cortex® A72 @ 1.8 GHz, 8 GB DDR4, 32 GB eMMC 16 MB Shared Packet Buffer Memory
Power supply	Internal (fixed) power supply (950W)	Internal (fixed) power supply (200W)	Internal (fixed) power supply (950W)	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supported PSUs JL086A, JL087A and JL670A.	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supported PSUs JL086A, JL087A and JL670A.
PoE capability	Maximum PoE power: 740W		Maximum PoE power: 740W	Maximum PoE power:2880W	Maximum PoE power: 2880W
Operating temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate 1°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 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°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 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°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 360 hours total (15 days) in 1 year.	32°F to 113°F (0°C to 45°C) up to 5000 ft. Derate 1°C for every 1000 ft from 5000 ft to 10000 ft.	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.

	HPE Networking CX6300F 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL665A)	HPE Networking CX6300F 48p 10M/100M/1G 4p SFP56 50G TAA Switch (S0G97A)	HPE Networking CX6300F 48p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (S0G95A)	HPE Networking CX6300L 24p Smart Rate 1G/2.5G/5G/10G CL6 2p SFP56 50G 2p SFP28 25G L2 Switch (S3L75A)	HPE Networking CX6300L 48p Smart Rate 100M/1G/2.5G/5G CL8 2p SFP56 50G 2p SFP28 25G L2 Switch (S3L76A)
Management features	Management, insights, and actions via HPE Aruba Networking Central or HPE Mist (Requires OS-CX10.18.1002)	Management, insights, and actions via HPE Aruba Networking Central or HPE Mist (Requires OS-CX10.18.1002)	Management, insights, and actions via HPE Aruba Networking Central or HPE Mist (Requires OS-CX10.18.1002)	1 default VRF, 1 management VRF	1 default VRF, 1 management VRF
Warranty	Limited lifetime warranty. See warranty details.				
Fans	Fixed fans	Fixed fans	Fixed fans	Switch has two fan tray slots and comes with two fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with one fan tray installed. Minimum one fan tray required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.

	HPE Networking CX6300L 48p SmtRt 100M/1G/2.5G/5G CL6/8 2p SFP56 50G 2p SFP+ 1G/10G LRM Layer2 Sw (S3L77A)	HPE Networking CX6300M 12p CL8 PoE 36p CL6 PoE Smart Rate 1G/2.5G/5G 2p 50G 2p 10G Switch (R8S91A)	HPE Networking CX6300M 16p 1G 8p Smart Rate 10G Class8 PoE 2p SFP56 50G 2p SFP28 25G Switch (S6X58A)	HPE Networking CX6300M 16p 1G 8p Smart Rate 10G Class8 PoE 2p SFP56 50G 2p SFP28 25G TAA Switch (S7K41A)	HPE Networking CX6300M 16p SmtRt 5G 32p 1G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S4P45A)
Differentiator	Layer 2 Only 48p Smart Rate 100M/1G/2.5G/5G and 2p 50G / 2p 10G LRM Class 8 PoE (90W) / Class 6 PoE (60W) combo L switch does not support Layer 3 features like in the F and M models	Modular 48p Smart Rate 1/2.5/5GbE (12p Class 8 / 36p Class 6) and 2p 50G / 2p 10G Class 8 PoE (90W) / Class 6 PoE (60W) Combo	Modular 16p 1G and 8p Smart Rate 10G and 2p 50G / 2p 25G Class 8 PoE (90W)	Modular 16p 1G and 8p Smart Rate 10G and 2p 50G / 2p 25G Class 8 PoE (90W) TAA Compliant Carrier Grade Channel MACsec Support	Modular 32p 1G and 16p Smart Rate 5G and 2p 50G / 2p 25G Class 8 PoE (90W) TAA Compliant DC Bundle (Front-to-Back Airflow) MACsec Support
Power consumption	Idle: 101W 100% Traffic: 152W	Depending on installed PSU Idle: 142W – 155W 100% Traffic: 205W – 220W	Depending on installed PSU Idle: 90W – 101W 100% Traffic: 140W – 152W	Depending on installed PSU Idle: 90W – 101W 100% Traffic: 140W – 152W	Depending on installed PSU Idle: 90W – 101W 100% Traffic: 140W – 152W
Input voltage	JL670A PSU: 110V–120V/208V–240V JL086A PSU: 100V–240V JL087A PSU: 110V–240V	JL670A PSU: 110V–120V/208V–240V JL086A PSU: 100V–240V JL087A PSU: 110V–240V	Maximum 120V/208V–240V depending on PSU model	Maximum 120V/208V–240V depending on PSU model	JL670A PSU: 110V–120V/208V–240V JL086A PSU: 100V–240V JL087A PSU: 110V–240V

	HPE Networking CX6300L 48p SmtRt 100M/1G/2.5G/5G CL6/8 2p SFP56 50G 2p SFP+ 1G/10G LRM Layer2 Sw (S3L77A)	HPE Networking CX6300M 12p CL8 PoE 36p CL6 PoE Smart Rate 1G/2.5G/5G 2p 50G 2p 10G Switch (R8S91A)	HPE Networking CX6300M 16p 1G 8p Smart Rate 10G Class8 PoE 2p SFP56 50G 2p SFP28 25G Switch (S6X58A)	HPE Networking CX6300M 16p 1G 8p Smart Rate 10G Class8 PoE 2p SFP56 50G 2p SFP28 25G TAA Switch (S7K41A)	HPE Networking CX6300M 16p SmtRt 5G 32p 1G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S4P45A)
Ports	48x 10/100/1000 BaseT PoE+ ports supporting up to 30W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at 1x USB-C console port 1x USB Type-A host port 1x OOBM port [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports.	48x 10/100/1000 BaseT PoE+ ports supporting up to 30W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at 1x USB-C console port 1x USB Type-A host port 1x OOBM port	16x 1G Copper ports 8x HPE Smart Rate ports (1G/2.5G/5G/10GbE)	16x 1G Copper ports 8x HPE Smart Rate ports (1G/2.5G/5G/10GbE)	24x 10/100/1000 BaseT PoE+ ports supporting up to 30W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at 1x USB-C console port 1x USB Type-A host port 1x OOBM port [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports.
Latency	1 Gbps: 4.24 s 10 Gbps: 1.50 s 25 Gbps: 2.91 s 50 Gbps: 3.49 s	1 Gbps: 4.24 s 10 Gbps: 1.50 s 25 Gbps: 2.91 s 50 Gbps: 3.49 s	1 Gbps: 2.28 s 10 Gbps: 1.46 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s	1 Gbps: 2.28 s 10 Gbps: 1.46 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s	1 Gbps: 2.28 s 10 Gbps: 1.46 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s
Switching capacity	720 Gbps	496 Gbps	448 Gbps	448 Gbps	448 Gbps
Stacking capabilities	Up to 10 members per stack. Note: CX6300L switches only stack with other CX6300L switches				
Throughput	535 Mpps	369 Mpps	334 Mpps	334 Mpps	334 Mpps

	HPE Networking CX6300L 48p SmtRt 100M/1G/2.5G/5G CL6/8 2p SFP56 50G 2p SFP+ 1G/10G LRM Layer2 Sw (S3L77A)	HPE Networking CX6300M 12p CL8 PoE 36p CL6 PoE Smart Rate 1G/2.5G/5G 2p 50G 2p 10G Switch (R8S91A)	HPE Networking CX6300M 16p 1G 8p Smart Rate 10G Class8 PoE 2p SFP56 50G 2p SFP28 25G Switch (S6X58A)	HPE Networking CX6300M 16p 1G 8p Smart Rate 10G Class8 PoE 2p SFP56 50G 2p SFP28 25G TAA Switch (S7K41A)	HPE Networking CX6300M 16p SmtRt 5G 32p 1G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S4P45A)
Memory and processor	Quad Core Arm® Cortex® A72 @ 1.8 GHz, 8 GB DDR4, 32 GB eMMC 16 MB Shared Packet Buffer Memory	Quad Core Arm® Cortex® A72 @ 1.8 GHz, 8 GB DDR4, 32 GB eMMC 16 MB Shared Packet Buffer Memory	CPU: Quad-core Arm® Cortex®-A72 @ 1.8 GHz Memory: 8 GB DDR4, 32 GB eMMC Flash: 8 MB, 16 MB, or 32 MB, depending on model and configuration	CPU: Quad-core Arm® Cortex®-A72 @ 1.8 GHz Memory: 8 GB DDR4, 32 GB eMMC Flash: 8 MB, 16 MB, or 32 MB, depending on model and configuration	CPU: Quad-core Arm® Cortex®-A72 @ 1.8 GHz Memory: 8 GB DDR4, 32 GB eMMC Flash: 8 MB, 16 MB, or 32 MB, depending on model and configuration
Power supply	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supported PSUs JL086A, JL087A and JL670A.	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supported PSUs JL086A, JL087A and JL670A	2 fieldreplaceable, hotswappable power supply slots	2 fieldreplaceable, hotswappable power supply slots	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supported PSUs JL086A, JL087A and JL670A.
PoE capability	Maximum PoE power: 2880W	Maximum PoE power: 1440W			Maximum PoE power: 720W
Operating temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate -1 degree C for every 1,000 ft from 5,000 ft to 10,000 ft. Can support excursion to 131°F (55°C) for short periods 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°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 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°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 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°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 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°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 360 hours total (15 days) in 1 year.
Management features	1 default VRF, 1 management VRF	Management, insights, and actions via HPE Aruba Networking Central or HPE Mist (Requires OS-CX10.18.1002)	Management, insights, and actions via HPE Aruba Networking Central or HPE Mist (Requires OS-CX10.18.1002)	Management, insights, and actions via HPE Aruba Networking Central or HPE Mist (Requires OS-CX10.18.1002)	Management, insights, and actions via HPE Aruba Networking Central or HPE Mist (Requires OS-CX10.18.1002)
Warranty	Limited lifetime warranty. See warranty details.				

	HPE Networking CX6300L 48p SmtRt 100M/1G/2.5G/5G CL6/8 2p SFP56 50G 2p SFP+ 1G/10G LRM Layer2 Sw (S3L77A)	HPE Networking CX6300M 12p CL8 PoE 36p CL6 PoE Smart Rate 1G/2.5G/5G 2p 50G 2p 10G Switch (R8S91A)	HPE Networking CX6300M 16p 1G 8p Smart Rate 10G Class8 PoE 2p SFP56 50G 2p SFP28 25G Switch (S6X58A)	HPE Networking CX6300M 16p 1G 8p Smart Rate 10G Class8 PoE 2p SFP56 50G 2p SFP28 25G TAA Switch (S7K41A)	HPE Networking CX6300M 16p SmtRt 5G 32p 1G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S4P45A)
Fans	Switch has two fan tray slots and comes with one fan tray installed. Minimum one fan tray required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with two fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with two JL669B fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with two JL669B fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with one fan tray installed. Minimum one fan trays required. Optional second fan tray ordered separately. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.

	HPE Networking CX6300M 24-port 1GbE and 4-port SFP56 Switch (JL664A)	HPE Networking CX6300M 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL662A)	HPE Networking CX6300M 24-port SFP+ and 4-port SFP56 Switch (JL658A)	HPE Networking CX6300M 24-port Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch (JL660A)	HPE Networking CX6300M 24p 10M/100M/1G 4p SFP56 50G TAA Switch (S0G01A)
Differentiator	Modular 24p 1 GbE and 4p SFP56 Non-PoE	Modular 24p 1 GbE and 4p SFP56 Class 4 PoE (30W)	Modular 24p SFP+ LRM (1G/10G) and 4p SFP56 50G Non-PoE	Modular 24p Smart Rate 1/2.5/5GbE and 4p SFP56 Class 6 PoE (60W)	Modular 24p 10M/100M/1G and 4p SFP56 50G Non-PoE TAA Compliant
Power consumption	Depending on installed PSU Idle: 56W – 113W 100% Traffic: 75W – 179W	Depending on installed PSU Idle: 90W – 101W 100% Traffic: 140W – 152W	Depending on installed PSU Idle: 51W – 101W 100% Traffic: 85W – 152W	Depending on installed PSU Idle: 133W – 140W 100% Traffic: 193W – 201W	Depending on installed PSU Idle: 56W – 113W 100% Traffic: 75W – 179W
Input voltage	JL085A PSU: 100V–240V	JL670A PSU: 110V–120V/208V–240V JL086A PSU: 100V–240V JL087A PSU: 110V–240V	JL085A PSU: 100V–240V	JL670A PSU: 110V–120V/208V–240V JL086A PSU: 100V–240V JL087A PSU: 110V–240V	JL085A PSU: 100V–240V
Ports	24x 10/100/1000 BaseT ports 4x 1G/10G/25G/50G [4] SFP ports 1x USB-C console port 1x USB Type-A host port 1x OOBM port	24x 10/100/1000 BaseT PoE+ ports supporting up to 30W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at 1x USB-C console port 1x USB Type-A host port 1x OOBM port	24x 1G/10G SFP+ ports 4x 1G/10G/25G/50G [4] SFP ports 1x USB-C console port 1x USB Type-A host port 1x OOBM port	24x HPE Smart Rate 100M [5]/1G/2.5G/5G BaseT Class 6 PoE ports supporting up to 60W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at and 802.3bt (up to 60W) 1x USB-C console port 1x USB Type-A host port 1x OOBM port	24-port 10/100/1000 BaseT ports 4x 1G/10G/25G/50G [4] SFP ports 1x USBC Console Port 1x OOBM port 1x USB Type A Host port [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports.

	HPE Networking CX6300M 24-port 1GbE and 4-port SFP56 Switch (JL664A)	HPE Networking CX6300M 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL662A)	HPE Networking CX6300M 24-port SFP+ and 4-port SFP56 Switch (JL658A)	HPE Networking CX6300M 24-port Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch (JL660A)	HPE Networking CX6300M 24p 10M/100M/1G 4p SFP56 50G TAA Switch (S0G01A)
Latency	1 Gbps: 2.28 s 10 Gbps: 1.46 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s				
Switching capacity	448 Gbps	448 Gbps	880 Gbps	640 Gbps	448 Gbps
Stacking capabilities	Up to 10 members per stack. Note: CX6300L switches only stack with other CX6300L switches				
Throughput	334 Mpps	334 Mpps	654 Mpps	476 Mpps	334 Mpps
Memory and processor	CPU: Quad-core Arm® Cortex®-A72 @ 1.8 GHz Memory: 8 GB DDR4, 32 GB eMMC Flash: 8 MB, 16 MB, or 32 MB, depending on model and configuration				
Power supply	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supports JL085A PSU.	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supported PSUs JL086A, JL087A and JL670A.	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supports JL085A PSU.	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supported PSUs JL086A, JL087A and JL670A.	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supports JL085A PSU.
PoE capability		Maximum PoE power: 720W		Maximum PoE power: 1440W	##BL##BLANK##ANK##

	HPE Networking CX6300M 24-port 1GbE and 4-port SFP56 Switch (JL664A)	HPE Networking CX6300M 24-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL662A)	HPE Networking CX6300M 24-port SFP+ and 4-port SFP56 Switch (JL658A)	HPE Networking CX6300M 24-port Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch (JL660A)	HPE Networking CX6300M 24p 10M/100M/1G 4p SFP56 50G TAA Switch (S0G01A)
Operating temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate 1°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 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°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 360 hours total (15 days) in 1 year.	32°F to 113°F (0°C to 45°C) up to 5000 ft. Derate 1°C for every 1000 ft from 5000 ft to 10000 ft. Can support excursion to 131°F (55°C) for short periods of time [3]. Operating temperature is reduced to 32°F (0°C) to 104°F (40°C) up to 5000 ft when 10G SFP+ LR or ER transceivers are installed.	32°F to 113°F (0°C to 45°C) up to 5000 ft. Derate 1°C for every 1000 ft from 5000 ft to 10000 ft. Can support excursion to 131°F (55°C) for short periods of time [3]. Requires two fan trays to support excursion.	32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate 1°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 360 hours total (15 days) in 1 year.
Management features	Management, insights, and actions via HPE Aruba Networking Central or HPE Mist (Requires OS-CX10.18.1002)				
Warranty	Limited lifetime warranty. See warranty details.				
Fans	Switch has two fan tray slots and comes with one fan tray installed. Minimum one fan trays required. Optional second fan tray ordered separately. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with one fan tray installed. Minimum one fan trays required. Optional second fan tray ordered separately. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with two fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with one fan tray installed. Minimum one fan tray required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with one fan tray installed. Minimum one fan trays required. Optional second fan tray ordered separately. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.

	HPE Networking CX6300M 24p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (S0F99A)	HPE Networking CX6300M 24p 1G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec Switch (S6X60A)	HPE Networking CX6300M 24p 1G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S7K43A)	HPE Networking CX6300M 24p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P44A)	HPE Networking CX6300M 24p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S4P48A)
Differentiator	Modular 24p 10M/100M/1G and 4p SFP56 50G Class 4 PoE (30W) TAA Compliant	Modular 24p 1G and 2p 50G / 2p 25G Class 8 PoE (90W) MACsec Support	Modular 24p 1G and 2p 50G / 2p 25G Class 8 PoE (90W) TAA Compliant Carrier Grade Channel MACsec Support	Modular 24p SFP 1G and 2p 50G / 2p 25G Non-PoE DC Bundle (Back-to-Front Airflow) MACsec Support	Modular 24p SFP 1G and 2p 50G / 2p 25G Non-PoE TAA Compliant DC Bundle (Back-to-Front Airflow) MACsec Support
Power consumption	Depending on installed PSU Idle: 90W – 101W 100% Traffic: 140W – 152W	Depending on installed PSU Idle: 90W – 101W 100% Traffic: 140W – 152W	Depending on installed PSU Idle: 90W – 101W 100% Traffic: 140W – 152W	Depending on installed PSU Idle: 56W – 113W 100% Traffic: 75W – 179W	Depending on installed PSU Idle: 56W – 113W 100% Traffic: 75W – 179W
Input voltage	JL670A PSU: 110V–120V/208V–240V JL086A PSU: 100V–240V JL087A PSU: 110V–240V	Maximum 120V/208V–240V depending on PSU model	Maximum 120V/208V–240V depending on PSU model	JL670A PSU: 110V–120V/208V–240V JL086A PSU: 100V–240V JL087A PSU: 110V–240V	JL085A PSU: 100V–240V

	HPE Networking CX6300M 24p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (S0F99A)	HPE Networking CX6300M 24p 1G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec Switch (S6X60A)	HPE Networking CX6300M 24p 1G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S7K43A)	HPE Networking CX6300M 24p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P44A)	HPE Networking CX6300M 24p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S4P48A)
Ports	24x 10/100/1000 BaseT PoE+ ports supporting up to 30W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at 1x USB-C console port 1x USB Type-A host port 1x OOBM port [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports.	24x 1G Copper ports	24x 1G Copper ports	48x HPE Smart Rate 100M [5]/1G/2.5G/5G BaseT Class 6 PoE ports supporting up to 60W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at and 802.3bt (up to 60W) 1x USB-C console port 1x USB Type-A host port 1x OOBM port [5] 100M use on HPE Smart Rate ports is limited to fullduplex only. For 100M halfduplex support, use 1G ports on other models. [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports.	24x 1G/10G SFP+ ports 4x 1G/10G/25G/50G [4] SFP ports 1x USB-C console port 1x USB Type-A host port 1x OOBM port [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports.
Latency	1 Gbps: 2.28 s 10 Gbps: 1.46 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s	1 Gbps: 2.28 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s	1 Gbps: 2.28 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s	1 Gbps: 4.24 s 10 Gbps: 1.50 s 25 Gbps: 2.91 s 50 Gbps: 3.49 s	1 Gbps: 2.28 s 10 Gbps: 1.46 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s
Switching capacity	448 Gbps	448 Gbps	448 Gbps	880 Gbps	880 Gbps

	HPE Networking CX6300M 24p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (S0F99A)	HPE Networking CX6300M 24p 1G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec Switch (S6X60A)	HPE Networking CX6300M 24p 1G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S7K43A)	HPE Networking CX6300M 24p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P44A)	HPE Networking CX6300M 24p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S4P48A)
Stacking capabilities	Up to 10 members per stack. Note: CX6300L switches only stack with other CX6300L switches				
Throughput	334 Mpps	334 Mpps	334 Mpps	654 Mpps	654 Mpps
Memory and processor	CPU: Quad-core Arm® Cortex®-A72 @ 1.8 GHz Memory: 8 GB DDR4, 32 GB eMMC Flash: 8 MB, 16 MB, or 32 MB, depending on model and configuration				
Power supply	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supported PSUs JL086A, JL087A and JL670A.	2 fieldreplaceable, hotswappable power supply slots	2 fieldreplaceable, hotswappable power supply slots	2 field-replaceable, hot-swappable power supply slots 1 minimum power supply required (ordered separately). Supported PSUs JL085A and JL757A.	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supports JL085A PSU.
PoE capability	Maximum PoE power: 720W			Maximum PoE power: 2880W	
Operating temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate 1°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 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°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 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°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 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°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 360 hours total (15 days) in 1 year.	32°F to 113°F (0°C to 45°C) up to 5000 ft. Derate 1°C for every 1000 ft from 5000 ft to 10000 ft. Can support excursion to 131°F (55°C) for short periods of time [3]. Operating temperature is reduced to 32°F (0°C) to 104°F (40°C) up to 5000 ft when 10G SFP+ LR or ER transceivers are installed.
Management features	Management, insights, and actions via HPE Aruba Networking Central or HPE Mist (Requires OS-CX10.18.1002)				
Warranty	Limited lifetime warranty. See warranty details.				

	HPE Networking CX6300M 24p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (S0F99A)	HPE Networking CX6300M 24p 1G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec Switch (S6X60A)	HPE Networking CX6300M 24p 1G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S7K43A)	HPE Networking CX6300M 24p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P44A)	HPE Networking CX6300M 24p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S4P48A)
Fans	Switch has two fan tray slots and comes with one fan tray installed. Minimum one fan trays required. Optional second fan tray ordered separately. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with two JL669B fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with two JL669B fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with two fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with two fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.

	HPE Networking CX6300M 24p SFP+ 1G/10G 4p SFP56 50G 2xFan PSU Bundle (S5Z46A)	HPE Networking CX6300M 24p SFP+ 1G/10G 4p SFP56 50G TAA Switch (S0G03A)	HPE Networking CX6300M 24p SFP+ LRM support and 2p 50G and 2p 25G MACSec Switch (R8S92A)	HPE Networking CX6300M 24p Smart Rate 1G/2.5G/5G Class6 PoE 4p SFP56 50G TAA Switch (S0G05A)	HPE Networking CX6300M 24p Smart Rate 1G/2.5G/5G/10G Class6 PoE 2p 50G 2p 25G Switch (R8S89A)
Differentiator	Modular 24p SFP+ 1G/10G and 4p SFP56 50G Non-PoE Bundle (2x Fan Trays / 1x PSU)	Modular 24p SFP+ 1G/10G and 4p SFP56 50G Non-PoE TAA Compliant	Modular 24p SFP+ LRM / 2p SFP56 50G / 2p SFP28 25G Non-PoE MACsec Support	Modular 24p Smart Rate 10G and 4p SFP56 50G Class 6 PoE (60W) TAA Compliant	Modular 24p Smart Rate 10G / 2p SFP56 50G / 2p SFP28 25G Class 6 PoE (60W) LRM Support
Power consumption	Depending on installed PSU Idle: 51W – 101W 100% Traffic: 85W – 152W	Depending on installed PSU Idle: 51W – 101W 100% Traffic: 85W – 152W	Depending on installed PSU Idle: 60W – 110W 100% Traffic: 95W – 165W	Depending on installed PSU Idle: 133W – 140W 100% Traffic: 193W – 201W	Depending on installed PSU Idle: 133W – 140W 100% Traffic: 193W – 201W
Heat dissipation	Max: 853 BTU/hr Idle: 174 BTU/hr				
Input voltage	JL085A PSU: 100V–240V	JL085A PSU: 100V–240V	JL670A PSU: 110V–120V/208V–240V JL086A PSU: 100V–240V JL087A PSU: 110V–240V	JL670A PSU: 110V–120V/208V–240V JL086A PSU: 100V–240V JL087A PSU: 110V–240V	JL670A PSU: 110V–120V/208V–240V JL086A PSU: 100V–240V JL087A PSU: 110V–240V

	HPE Networking CX6300M 24p SFP+ 1G/10G 4p SFP56 50G 2xFan PSU Bundle (S5Z46A)	HPE Networking CX6300M 24p SFP+ 1G/10G 4p SFP56 50G TAA Switch (S0G03A)	HPE Networking CX6300M 24p SFP+ LRM support and 2p 50G and 2p 25G MACSec Switch (R8S92A)	HPE Networking CX6300M 24p Smart Rate 1G/2.5G/5G Class6 PoE 4p SFP56 50G TAA Switch (S0G05A)	HPE Networking CX6300M 24p Smart Rate 1G/2.5G/5G/10G Class6 PoE 2p 50G 2p 25G Switch (R8S89A)
Ports	24x 1G/10G SFP+ ports 4x 1G/10G/25G/50G [4] SFP ports 1x USB-C console port 1x USB Type-A host port 1x OOBM port [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports.	24x 1G/10G SFP+ ports 4x 1G/10G/25G/50G [4] SFP ports 1x USB-C console port 1x USB Type-A host port 1x OOBM port [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports.	24x 10/100/1000 BaseT PoE+ ports supporting up to 30W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at 1x USB-C console port 1x USB Type-A host port 1x OOBM port	24x HPE Smart Rate 100M [5]/1G/2.5G/5G BaseT Class 6 PoE ports supporting up to 60W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at and 802.3bt (up to 60W) 1x USB-C console port 1x USB Type-A host port 1x OOBM port [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports. [5] 100M use on HPE Smart Rate ports is limited to fullduplex only. For 100M halfduplex support, use 1G ports on other models.	24x HPE Smart Rate 100M [5]/1G/2.5G/5G BaseT ports Class 6 PoE ports supporting up to 60W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at and 802.3bt (up to 60W) 1x USB-C console port 1x USB Type-A host port 1x OOBM port
Latency	1 Gbps: 2.28 s 10 Gbps: 1.46 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s	1 Gbps: 2.28 s 10 Gbps: 1.46 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s	1 Gbps: 4.24 s 10 Gbps: 1.50 s 25 Gbps: 2.91 s 50 Gbps: 3.49 s	1 Gbps: 4.24 s 10 Gbps: 1.50 s 25 Gbps: 2.91 s 50 Gbps: 3.49 s	1 Gbps: 4.24 s 10 Gbps: 1.50 s 25 Gbps: 2.91 s 50 Gbps: 3.49 s
Switching capacity	880 Gbps	880 Gbps	448 Gbps	640 Gbps	640 Gbps

	HPE Networking CX6300M 24p SFP+ 1G/10G 4p SFP56 50G 2xFan PSU Bundle (S5Z46A)	HPE Networking CX6300M 24p SFP+ 1G/10G 4p SFP56 50G TAA Switch (S0G03A)	HPE Networking CX6300M 24p SFP+ LRM support and 2p 50G and 2p 25G MACSec Switch (R8S92A)	HPE Networking CX6300M 24p Smart Rate 1G/2.5G/5G Class6 PoE 4p SFP56 50G TAA Switch (S0G05A)	HPE Networking CX6300M 24p Smart Rate 1G/2.5G/5G/10G Class6 PoE 2p 50G 2p 25G Switch (R8S89A)
Stacking capabilities	Up to 10 members per stack. Note: CX6300L switches only stack with other CX6300L switches				
Throughput	654 Mpps	654 Mpps	334 Mpps	476 Mpps	476 Mpps
Memory and processor	CPU: Quad-core Arm® Cortex®-A72 @ 1.8 GHz Memory: 8 GB DDR4, 32 GB eMMC Flash: 8 MB, 16 MB, or 32 MB, depending on model and configuration	CPU: Quad-core Arm® Cortex®-A72 @ 1.8 GHz Memory: 8 GB DDR4, 32 GB eMMC Flash: 8 MB, 16 MB, or 32 MB, depending on model and configuration	Quad Core Arm® Cortex® A72 @ 1.8 GHz, 8 GB DDR4, 32 GB eMMC 16 MB Shared Packet Buffer Memory	CPU: Quad-core Arm® Cortex®-A72 @ 1.8 GHz Memory: 8 GB DDR4, 32 GB eMMC Flash: 8 MB, 16 MB, or 32 MB, depending on model and configuration	Quad Core Arm® Cortex® A72 @ 1.8 GHz, 8 GB DDR4, 32 GB eMMC 16 MB Shared Packet Buffer Memory
Power supply	2 fieldreplaceable, hotswappable power supply slots	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supports JL085A PSU.	2 field-replaceable, hot-swappable power supply slots 1 minimum power supply required (ordered separately) Supported PSUs JL085A and JL757A.	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supported PSUs JL086A, JL087A and JL670A.	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supported PSUs JL086A, JL087A and JL670A.
PoE capability			Maximum PoE power: 720W	Maximum PoE power: 1440W	Maximum PoE power: 1440W

	HPE Networking CX6300M 24p SFP+ 1G/10G 4p SFP56 50G 2xFan PSU Bundle (S5Z46A)	HPE Networking CX6300M 24p SFP+ 1G/10G 4p SFP56 50G TAA Switch (S0G03A)	HPE Networking CX6300M 24p SFP+ LRM support and 2p 50G and 2p 25G MACSec Switch (R8S92A)	HPE Networking CX6300M 24p Smart Rate 1G/2.5G/5G Class6 PoE 4p SFP56 50G TAA Switch (S0G05A)	HPE Networking CX6300M 24p Smart Rate 1G/2.5G/5G/10G Class6 PoE 2p 50G 2p 25G Switch (R8S89A)
Operating temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate 1°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 360 hours total (15 days) in 1 year.	32°F to 113°F (0°C to 45°C) up to 5000 ft. Derate 1°C for every 1000 ft from 5000 ft to 10000 ft. Can support excursion to 131°F (55°C) for short periods of time [3]. Operating temperature is reduced to 32°F (0°C) to 104°F (40°C) up to 5000 ft when 10G SFP+ LR or ER transceivers are installed.	32°F to 113°F (0°C to 45°C) up to 5000 ft. Derate 1°C for every 1000 ft from 5000 ft to 10000 ft. Can support excursion to 131°F (55°C) for short periods of time [3]. 55°C excursion not supported when 10G LRM/LR/ER inserted. When 10G BT and 10G LRM/LR/ER transceivers are installed together, fan redundancy is only supported up to 104°F (40°C) 5000 ft.	32°F to 113°F (0°C to 45°C) up to 5000 ft. Derate 1°C for every 1000 ft from 5000 ft to 10000 ft. Can support excursion to 131°F (55°C) for short periods of time [3]. Requires two fan trays to support excursion.	32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate 1°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 360 hours total (15 days) in 1 year.
Management features	Management, insights, and actions via HPE Aruba Networking Central or HPE Mist (Requires OS-CX10.18.1002)				
Warranty	Limited lifetime warranty. See warranty details.				
Fans	Switch has two fan tray slots and comes with two JL669B fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with two fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with two fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with one fan tray installed. Minimum one fan tray required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with two fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.

	HPE Networking CX6300M 32p 1G 16p SmtRt 5G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P41A)	HPE Networking CX6300M 32p SmtRt 5G 8p SFP+ 10G LRM 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S4P46A)	HPE Networking CX6300M 32p SmtRt 5G CL8 8p SFP+ 10G LRM 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P42A)	HPE Networking CX6300M 48-port 1GbE and 4-port SFP56 Switch (JL663A)	HPE Networking CX6300M 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL661A)
Differentiator	Modular 32p 1G and 16p Smart Rate 5G and 2p 50G / 2p 25G Class 8 PoE (90W) DC Bundle (Front-to-Back Airflow) MACsec Support	Modular 32p Smart Rate 5G and 8p SFP+ 10G LRM and 2p 50G / 2p 25G Non-PoE TAA Compliant DC Bundle (Back-to-Front Airflow) MACsec Support	Modular 32p Smart Rate 1/2.5/5GbE and 8p SFP+ 10G LRM and 2p 50G / 2p 25G Class 8 PoE (90W) DC Bundle (Front-to-Back Airflow) MACsec Support	Modular 48p 1 GbE and 4p SFP56 Non-PoE	Modular 48p 1 GbE and 4p SFP56 Class 4 PoE (30W)
Power consumption	Depending on installed PSU Idle: 90W – 101W 100% Traffic: 140W – 152W	Depending on installed PSU Idle: 60W – 110W 100% Traffic: 95W – 165W	Depending on installed PSU Idle: 142W – 155W 100% Traffic: 205W – 220W	Depending on installed PSU Idle: 56W – 113W 100% Traffic: 75W – 179W	Depending on installed PSU Idle: 90W – 101W 100% Traffic: 140W – 152W
Input voltage	JL670A PSU: 110V–120V/200V/208V–240V; AC input JL086A PSU: 100V–240V; AC input JL087A PSU: 110V–240V; AC input JL758A PSU: 36–72V; DC input	JL085A PSU: 100V–240V	JL670A PSU: 110V–120V/200V/208V–240V; AC input JL086A PSU: 100V–240V; AC input JL087A PSU: 110V–240V; AC input JL758A PSU: 36–72V; DC input	JL085A PSU: 100V–240V	JL670A PSU: 110V–120V/208V–240V JL086A PSU: 100V–240V JL087A PSU: 110V–240V

	HPE Networking CX6300M 32p 1G 16p SmtRt 5G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P41A)	HPE Networking CX6300M 32p SmtRt 5G 8p SFP+ 10G LRM 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S4P46A)	HPE Networking CX6300M 32p SmtRt 5G CL8 8p SFP+ 10G LRM 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P42A)	HPE Networking CX6300M 48-port 1GbE and 4-port SFP56 Switch (JL663A)	HPE Networking CX6300M 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL661A)
Ports	32x 10/100/1000M and 16x HPE Smart Rate 1/2.5/5G BaseT ports (configuration can be changed to 8x HPE Smart Rate 10G BaseT ports) with Class 8 PoE supporting up to 90W per port 2x 10G/25G/50G [4] SFP ports 2x 10G/25G SFP ports (MACsec) Supports PoE standards IEEE 802.3af, 802.3at and 802.3bt (up to 90W) 1x USB-C console port 1x USB Type-A host port 1x OOBM port 1x RJ-45 console Port 1x Bluetooth dongle to be used with CX Mobile App [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports.	48x 10/100/1000 BaseT ports 4x 1G/10G/25G/50G [4] SFP ports 1x USB-C console port 1x USB Type-A host port 1x OOBM port [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports.	32x HPE Smart Rate 1G/2.5G/5G Base-T (configuration can be changed to 16x HPE Smart Rate 1G/2.5G/5G Base-T and 8x HPE Smart Rate 1G/2.5G/5G/10G Base-T ports) Class 8 PoE ports supporting up to 90W POE per port and 8x 1G/10G SFP+ (LRM) ports 2x 10G/25G/50G [4] SFP ports 2x 10G/25G SFP ports (MACsec) Supports PoE standards IEEE 802.3af, 802.3at and 802.3bt (up to 90W) 1x USB-C console port 1x USB Type-A host port 1x OOBM port 1x RJ-45 console Port 1x Bluetooth dongle to be used with CX Mobile App [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports.	48x 10/100/1000 BaseT ports 4x 1G/10G/25G/50G [4] SFP ports 1x USB-C console port 1x USB Type-A host port 1x OOBM port	48x 10/100/1000 BaseT PoE+ ports supporting up to 30W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at 1x USB-C console port 1x USB Type-A host port 1x OOBM port

	HPE Networking CX6300M 32p 1G 16p SmtRt 5G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P41A)	HPE Networking CX6300M 32p SmtRt 5G 8p SFP+ 10G LRM 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S4P46A)	HPE Networking CX6300M 32p SmtRt 5G CL8 8p SFP+ 10G LRM 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P42A)	HPE Networking CX6300M 48-port 1GbE and 4-port SFP56 Switch (JL663A)	HPE Networking CX6300M 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL661A)
Latency	Less than 5 µs 1 Gbps: 3.6 µs	1 Gbps: 2.28 s 10 Gbps: 1.46 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s	Less than 5 µs 10 Gbps LRM: 2.3 µs 10 Gbps dual mode ports: 5.5 µs 25 Gbps: 3.5 µs	1 Gbps: 2.28 s 10 Gbps: 1.46 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s	1 Gbps: 2.28 s 10 Gbps: 1.46 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s
Switching capacity	524 Gbps	496 Gbps	780 Gbps	496 Gbps	496 Gbps
Stacking capabilities	Up to 10 members per stack. Note: CX6300L switches only stack with other CX6300L switches				
Throughput	390 Mpps	369 Mpps	580 Mpps	369 Mpps	369 Mpps
Memory and processor	CPU: Quad-core Arm® Cortex®-A72 @ 1.8 GHz Memory: 8 GB DDR4, 32 GB eMMC Flash: 8 MB, 16 MB, or 32 MB, depending on model and configuration				
Power supply	2 field-replaceable, hot-swappable power supply slots 1 minimum power supply required (ordered separately). Supported PSUs JL086A, JL087A, JL670A and JL758A.	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supports JL085A PSU.	2 field-replaceable, hot-swappable power supply slots 1 minimum power supply required (ordered separately). Supported PSUs JL086A, JL087A, JL670A and JL758A.	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supports JL085A PSU.	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supported PSUs JL086A, JL087A and JL670A.
PoE capability	Maximum PoE power: 2880W	Maximum PoE power: 2880W	Maximum PoE power: 2880W		Maximum PoE power: 1440W
Operating temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate 1°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 360 hours total (15 days) in 1 year.				
Management features	Management, insights, and actions via HPE Aruba Networking Central or HPE Mist (Requires OS-CX10.18.1002)				
Warranty	Limited lifetime warranty. See warranty details.				

	HPE Networking CX6300M 32p 1G 16p SmtRt 5G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P41A)	HPE Networking CX6300M 32p SmtRt 5G 8p SFP+ 10G LRM 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S4P46A)	HPE Networking CX6300M 32p SmtRt 5G CL8 8p SFP+ 10G LRM 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P42A)	HPE Networking CX6300M 48-port 1GbE and 4-port SFP56 Switch (JL663A)	HPE Networking CX6300M 48-port 1GbE Class 4 PoE and 4-port SFP56 Switch (JL661A)
Fans	Switch has two fan tray slots and comes with two fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with one fan tray installed. Minimum one fan trays required. Optional second fan tray ordered separately. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with two fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with one fan tray installed. Minimum one fan trays required. Optional second fan tray ordered separately. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with one fan tray installed. Minimum one fan tray required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.

	HPE Networking CX6300M 48-port Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch (JL659A)	HPE Networking CX6300M 48G Power-to-Port Airflow 2xFan 1xPSU Switch Bundle (R9F63A)	HPE Networking CX6300M 48p 10M/100M/1G 4p SFP56 50G Power-to-Port 2xFan PSU TAA Bundle (S0G02A)	HPE Networking CX6300M 48p 10M/100M/1G 4p SFP56 50G TAA Switch (S0G00A)	HPE Networking CX6300M 48p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (S0G06A)
Differentiator	Modular 48p Smart Rate 1/2.5/5GbE and 4p SFP56 Class 6 PoE (60W)	Modular 48p 1 GbE Base-T Non-PoE DC Bundle Refresh (Back-to-Front Airflow)	Modular 48p 1 GbE Base-T and 4p SFP56 50G Non-PoE TAA Compliant DC Bundle (Back-to-Front Airflow)	Modular 48p 10M/100M/1G and 4p SFP56 50G Non-PoE TAA Compliant	Modular 48p 10M/100M/1G and 4p SFP56 50G Class 4 PoE (30W) TAA Compliant
Power consumption	Depending on installed PSU Idle: 133W – 140W 100% Traffic: 193W – 201W	Idle: 56W 100% Traffic: 75W	Idle: 56W 100% Traffic: 75W	Depending on installed PSU Idle: 56W – 113W 100% Traffic: 75W – 179W	Depending on installed PSU Idle: 90W – 101W 100% Traffic: 140W – 152W
Input voltage	JL670A PSU: 110V–120V/208V–240V JL086A PSU: 100V–240V JL087A PSU: 110V–240V	JL760A PSU: 100V–240V	JL760A PSU: 100V–240V	JL085A PSU: 100V240V	JL670A PSU: 110V–120V/208V–240V JL086A PSU: 100V–240V JL087A PSU: 110V–240V

	HPE Networking CX6300M 48-port Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch (JL659A)	HPE Networking CX6300M 48G Power-to-Port Airflow 2xFan 1xPSU Switch Bundle (R9F63A)	HPE Networking CX6300M 48p 10M/100M/1G 4p SFP56 50G Power-to-Port 2xFan PSU TAA Bundle (S0G02A)	HPE Networking CX6300M 48p 10M/100M/1G 4p SFP56 50G TAA Switch (S0G00A)	HPE Networking CX6300M 48p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (S0G06A)
Ports	48x HPE Smart Rate 100M [5]/1G/2.5G/5G BaseT Class 6 PoE ports supporting up to 60W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at and 802.3bt (up to 60W) 1x USB-C console port 1x USB Type-A host port 1x OOBM port	48x 10/100/1000 BaseT ports 4x 1G/10G/25G/50G [4] SFP ports 1x USB-C console port 1x USB Type-A host port 1x OOBM port	48x 10/100/1000 BaseT ports 4x 1G/10G/25G/50G [4] SFP ports 1x USB-C console port 1x USB Type-A host port 1x OOBM port [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports.	48x 10/100/1000 BaseT ports 4x 1G/10G/25G/50G [4] SFP ports 1x USB-C console port 1x USB Type-A host port 1x OOBM port [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports.	48x 10/100/1000 BaseT PoE+ ports supporting up to 30W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at 1x USB-C console port 1x USB Type-A host port 1x OOBM port [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports.
Latency	1 Gbps: 2.28 s 10 Gbps: 1.46 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s				
Switching capacity	880 Gbps	496 Gbps	496 Gbps	496 Gbps	496 Gbps
Stacking capabilities	Up to 10 members per stack. Note: CX6300L switches only stack with other CX6300L switches				
Throughput	654 Mpps	369 Mpps	369 Mpps	369 Mpps	369 Mpps

	HPE Networking CX6300M 48-port Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch (JL659A)	HPE Networking CX6300M 48G Power-to-Port Airflow 2xFan 1xPSU Switch Bundle (R9F63A)	HPE Networking CX6300M 48p 10M/100M/1G 4p SFP56 50G Power-to-Port 2xFan PSU TAA Bundle (S0G02A)	HPE Networking CX6300M 48p 10M/100M/1G 4p SFP56 50G TAA Switch (S0G00A)	HPE Networking CX6300M 48p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (S0G06A)
Memory and processor	CPU: Quad-core Arm® Cortex®-A72 @ 1.8 GHz Memory: 8 GB DDR4, 32 GB eMMC Flash: 8 MB, 16 MB, or 32 MB, depending on model and configuration				
Power supply	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supported PSUs JL086A, JL087A and JL670A.	2 fieldreplaceable, hotswappable power supply slots	2 Fieldreplaceable, hotswappable powersupply slots and comes with one power-to-port powersupply preinstalled. Additional power-to-port powersupply can be ordered separately. Supports JL760A power-to-port powersupply only.	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supports JL085A PSU.	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supported PSUs JL086A, JL087A and JL670A.
PoE capability	Maximum PoE power: 2880W			##BLAN##BLANK##K##	Maximum PoE power: 1440W
Operating temperature	32°F to 113°F (0°C to 45°C) up to 5000 ft. Derate 1°C for every 1000 ft from 5000 ft to 10000 ft.	32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate 1°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 360 hours total (15 days) in 1 year.	32°F to 113°F (0°C to 45°C) up to 5000 ft. Derate 1°C for every 1000 ft from 5000 ft to 10000 ft.	32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate 1°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 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°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 360 hours total (15 days) in 1 year.
Management features	Management, insights, and actions via HPE Aruba Networking Central or HPE Mist (Requires OS-CX10.18.1002)				
Warranty	Limited lifetime warranty. See warranty details.				

	HPE Networking CX6300M 48-port Smart Rate 1/2.5/5GbE Class 6 PoE and 4-port SFP56 Switch (JL659A)	HPE Networking CX6300M 48G Power-to-Port Airflow 2xFan 1xPSU Switch Bundle (R9F63A)	HPE Networking CX6300M 48p 10M/100M/1G 4p SFP56 50G Power-to-Port 2xFan PSU TAA Bundle (S0G02A)	HPE Networking CX6300M 48p 10M/100M/1G 4p SFP56 50G TAA Switch (S0G00A)	HPE Networking CX6300M 48p 10M/100M/1G Class4 PoE 4p SFP56 50G TAA Switch (S0G06A)
Fans	Switch has two fan tray slots and comes with two fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	The switch has two fan tray slots and comes with one or two fan trays installed depending on the model. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with two fan trays installed. Minimum 2 fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans. Supports JL761A power-to-port fan tray only.	Switch has two fan tray slots and comes with one fan tray installed. Minimum one fan trays required. Optional second fan tray ordered separately. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with one fan tray installed. Minimum one fan tray required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.

	HPE Networking CX6300M 48p 1G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec Switch (S6X59A)	HPE Networking CX6300M 48p 1G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S7K42A)	HPE Networking CX6300M 48p 1GbE 4p SFP56 Power-to-Port 2xFan Trays 1xPSU Bundle (JL762A)	HPE Networking CX6300M 48p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P43A)	HPE Networking CX6300M 48p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S4P47A)
Differentiator	Modular 48p 1G and 2p 50G / 2p 25G Class 8 PoE (90W) MACsec Support	Modular 48p 1G and 2p 50G / 2p 25G Class 8 PoE (90W) TAA Compliant Carrier Grade Channel MACsec Support)	Modular 48p 1 GbE and 4p SFP56 Non-PoE DC Bundle (Back-to-Front Airflow)	Modular 48p SFP 1G and 2p 50G / 2p 25G Non-PoE DC Bundle (Front-to-Back Airflow) MACsec Support TAA Compliant	Modular 48p SFP 1G and 2p 50G / 2p 25G Non-PoE TAA Compliant DC Bundle (Front-to-Back Airflow) MACsec Support
Power consumption	Depending on installed PSU Idle: 90W – 101W 100% Traffic: 140W – 152W	Depending on installed PSU Idle: 90W – 101W 100% Traffic: 140W – 152W	Idle: 56W 100% Traffic: 75W	Depending on installed PSU Idle: 56W – 113W 100% Traffic: 75W – 179W	Depending on installed PSU Idle: 56W – 113W 100% Traffic: 75W – 179W
Input voltage	Maximum 120V/208V–240V depending on PSU model	Maximum 120V/208V–240V depending on PSU model	JL760A PSU: 100V–240V	JL085A PSU: 100V–240V; AC input JL757A PSU: 36–72V; DC input	JL085A PSU: 100V–240V
Ports	48x of 1G Copper ports	48x 1G Copper ports	48x 10/100/1000 BaseT ports 4x 1G/10G/25G/50G [4] SFP ports 1x USB-C console port 1x USB Type-A host port 1x OOBM port	48x 1G SFP ports 2x 10G/25G/50G [4] SFP ports 2x 10G/25G SFP ports (MACsec) 1x USB-C console port 1x USB Type-A host port 1x OOBM port	48x 1G SFP ports 2x 10G/25G/50G [4] SFP ports 2x 10G/25G SFP ports (MACsec) 1x USBC Console Port 1x OOBM port 1x USB Type A Host port [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports.

	HPE Networking CX6300M 48p 1G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec Switch (S6X59A)	HPE Networking CX6300M 48p 1G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S7K42A)	HPE Networking CX6300M 48p 1GbE 4p SFP56 Power-to-Port 2xFan Trays 1xPSU Bundle (JL762A)	HPE Networking CX6300M 48p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P43A)	HPE Networking CX6300M 48p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S4P47A)
Latency	1 Gbps: 2.28 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s	1 Gbps: 2.28 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s	1 Gbps: 2.28 s 10 Gbps: 1.46 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s	1 Gbps: 3.4 µs 50 Gbps: 2.1 µs	1 Gbps: 2.28 s 10 Gbps: 1.46 s 25 Gbps: 1.90 s 50 Gbps: 3.49 s
Switching capacity	448 Gbps	448 Gbps	496 Gbps	396 Gbps	448 Gbps
Stacking capabilities	Up to 10 members per stack. Note: CX6300L switches only stack with other CX6300L switches				
Throughput	334 Mpps	334 Mpps	369 Mpps	295 Mpps	334 Mpps
Memory and processor	CPU: Quad-core Arm® Cortex®-A72 @ 1.8 GHz Memory: 8 GB DDR4, 32 GB eMMC Flash: 8 MB, 16 MB, or 32 MB, depending on model and configuration				
Power supply	2 fieldreplaceable, hotswappable power supply slots	2 fieldreplaceable, hotswappable power supply slots	2 Fieldreplaceable, hotswappable powersupply slots and comes with one power-to-port powersupply preinstalled. Additional power-to-port powersupply can be ordered separately. Supports JL760A power-to-port powersupply only.	2 field-replaceable, hot-swappable power supply slots 1 minimum power supply required (ordered separately). Supported PSUs JL085A and JL757A.	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supports JL085A PSU.
Operating temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate 1°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 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°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 360 hours total (15 days) in 1 year.	32°F to 113°F (0°C to 45°C) up to 5000 ft. Derate 1°C for every 1000 ft from 5000 ft to 10000 ft.	32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate 1°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 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°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 360 hours total (15 days) in 1 year.
Management features	Management, insights, and actions via HPE Aruba Networking Central or HPE Mist (Requires OS-CX10.18.1002)				

	HPE Networking CX6300M 48p 1G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec Switch (S6X59A)	HPE Networking CX6300M 48p 1G Class8 PoE 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S7K42A)	HPE Networking CX6300M 48p 1GbE 4p SFP56 Power-to-Port 2xFan Trays 1xPSU Bundle (JL762A)	HPE Networking CX6300M 48p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec Switch (S4P43A)	HPE Networking CX6300M 48p SFP 1G 2p SFP56 50G 2p SFP28 25G MACsec TAA Switch (S4P47A)
Warranty	Limited lifetime warranty. See warranty details.				
Fans	Switch has two fan tray slots and comes with two JL669B fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with two JL669B fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with two fan trays installed. Minimum 2 fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans. Supports JL761A power-to-port fan tray only.	Switch has two fan tray slots and comes with two fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with one fan tray installed. Minimum one fan trays required. Optional second fan tray ordered separately. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.

	HPE Networking CX6300M 48p Smart Rate 10G PTP/AVB 4p QSFP28 100G MACsec 4320W TAA Switch (S0E93A)	HPE Networking CX6300M 48p Smart Rate 10G PTP/AVB Class8 PoE 4320W 4p QSFP28 100G MACsec Switch (S0E92A)	HPE Networking CX6300M 48p Smart Rate 1G/2.5G/5G Class6 PoE 4p SFP56 50G TAA Switch (S0G04A)	HPE Networking CX6300M 48p Smart Rate 1G/2.5G/5G Class8 PoE 2p 50G 2p 25G Switch (R8S90A)	HPE Networking CX6300M 48p Smart Rate 1G/2.5G/5G/10G PTP/AVB Class8 PoE 4p 100G MACsec Switch (S0E91A)
Differentiator	Modular 48p Smart Rate 10G PTP/AVB and 4p QSFP28 100G Non-PoE MACsec Support TAA Compliant	Modular 48p Smart Rate 10G PTP/AVB and 4p QSFP28 100G Class 8 PoE (4320W) MACsec Support TAA Compliant	Modular 48p Smart Rate 10G and 4p SFP56 50G Class 6 PoE (60W) TAA Compliant	Modular 48p Smart Rate 10G / 2p SFP56 50G / 2p SFP28 25G Class 8 PoE (90W)	Modular 48p Smart Rate 10G PTP/AVB and 4p QSFP28 100G Class 8 PoE (4320W) MACsec Support TAA Compliant
Power consumption	Depending on installed PSU Idle: 115W – 130W 100% Traffic: 165W – 185W	Depending on installed PSU Idle: 210W – 235W 100% Traffic: 310W – 345W	Depending on installed PSU Idle: 133W – 140W 100% Traffic: 193W – 201W	Depending on installed PSU Idle: 133W – 140W 100% Traffic: 193W – 201W	Depending on installed PSU Idle: 210W – 235W 100% Traffic: 310W – 345W
Input voltage	Maximum 120V/208V–240V depending on PSU model	Maximum 120V/208V–240V depending on PSU model	JL670A PSU: 110V–120V/208V–240V JL086A PSU: 100V–240V JL087A PSU: 110V–240V	JL670A PSU: 110V–120V/208V–240V JL086A PSU: 100V–240V JL087A PSU: 110V–240V	JL670A PSU: 110V–120V/200V/208V–240V; AC input JL086A PSU: 100V–240V; AC input JL087A PSU: 110V–240V; AC input JL758A PSU: 36–72V; DC input

	HPE Networking CX6300M 48p Smart Rate 10G PTP/AVB 4p QSFP28 100G MACsec 4320W TAA Switch (S0E93A)	HPE Networking CX6300M 48p Smart Rate 10G PTP/AVB Class8 PoE 4320W 4p QSFP28 100G MACsec Switch (S0E92A)	HPE Networking CX6300M 48p Smart Rate 1G/2.5G/5G Class6 PoE 4p SFP56 50G TAA Switch (S0G04A)	HPE Networking CX6300M 48p Smart Rate 1G/2.5G/5G Class8 PoE 2p 50G 2p 25G Switch (R8S90A)	HPE Networking CX6300M 48p Smart Rate 1G/2.5G/5G/10G PTP/AVB Class8 PoE 4p 100G MACsec Switch (S0E91A)
Ports			48x HPE Smart Rate 100M [5]/1G/2.5G/5G BaseT Class 6 PoE ports supporting up to 60W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at and 802.3bt (up to 60W) 1x USB-C console port 1x USB Type-A host port 1x OOBM port [4] 450G 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 require QSFP to SFP56 DAC cable for VSF stacking with other CX6300F and CX6300M switch models only. VSF stacking not supported on 1G ports. [5] 100M use on HPE Smart Rate ports is limited to fullduplex only. For 100M halfduplex support, use 1G ports on other models.	48x HPE Smart Rate 100M [5]/1G/2.5G/5G BaseT Class 6 PoE ports supporting up to 60W per port 4x 1G/10G/25G/50G [4] SFP ports Supports PoE standards IEEE 802.3af, 802.3at and 802.3bt (up to 60W) 1x USB-C console port 1x USB Type-A host port 1x OOBM port	48x HPE Smart Rate 100M [5]/1G/2.5G/5G/10G BaseT Class 8 PoE ports supporting up to 90W per port (MACsec) 4x 10G/25G/40G/100G QSFP/QSFP28 ports (MACsec) Supports PoE standards IEEE 802.3af, 802.3at and 802.3bt (up to 90W) 1x USB-C console port 1x USB Type-A host port 1x OOBM port 1x RJ-45 console port [5] 100M use on HPE Smart Rate ports is limited to fullduplex only. For 100M halfduplex support, use 1G ports on other models.
Latency	10 Gbps: 1.46 s 100 Gbps: 2 s	10 Gbps: 1.46 s 100 Gbps: 2 s	1 Gbps: 4.24 s 10 Gbps: 1.50 s 25 Gbps: 2.91 s 50 Gbps: 3.49 s	1 Gbps: 4.24 s 10 Gbps: 1.50 s 25 Gbps: 2.91 s 50 Gbps: 3.49 s	1 Gbps: 4.24 s 10 Gbps: 1.50 s 25 Gbps: 2.91 s 50 Gbps: 3.49 s
Switching capacity	880 Gbps	880 Gbps	880 Gbps	880 Gbps	1760 Gbps

	HPE Networking CX6300M 48p Smart Rate 10G PTP/AVB 4p QSFP28 100G MACsec 4320W TAA Switch (S0E93A)	HPE Networking CX6300M 48p Smart Rate 10G PTP/AVB Class8 PoE 4320W 4p QSFP28 100G MACsec Switch (S0E92A)	HPE Networking CX6300M 48p Smart Rate 1G/2.5G/5G Class6 PoE 4p SFP56 50G TAA Switch (S0G04A)	HPE Networking CX6300M 48p Smart Rate 1G/2.5G/5G Class8 PoE 2p 50G 2p 25G Switch (R8S90A)	HPE Networking CX6300M 48p Smart Rate 1G/2.5G/5G/10G PTP/AVB Class8 PoE 4p 100G MACsec Switch (S0E91A)
Stacking capabilities	Up to 10 members per stack. Note: CX6300L switches only stack with other CX6300L switches				
Throughput	1310 Mpps	1310 Mpps	654 Mpps	654 Mpps	1310 Mpps
Memory and processor	CPU: Quad-core Arm® Cortex®-A72 @ 1.8 GHz Memory: 8 GB DDR4, 32 GB eMMC Flash: 8 MB, 16 MB, or 32 MB, depending on model and configuration	CPU: Quad-core Arm® Cortex®-A72 @ 1.8 GHz Memory: 8 GB DDR4, 32 GB eMMC Flash: 8 MB, 16 MB, or 32 MB, depending on model and configuration	CPU: Quad-core Arm® Cortex®-A72 @ 1.8 GHz Memory: 8 GB DDR4, 32 GB eMMC Flash: 8 MB, 16 MB, or 32 MB, depending on model and configuration	Quad Core Arm® Cortex® A72 @ 1.8 GHz, 8 GB DDR4, 32 GB eMMC 16 MB Shared Packet Buffer Memory	Quad Core Arm® Cortex® A72 @ 1.8 GHz, 8 GB DDR4, 32 GB eMMC 32 MB Shared Packet Buffer Memory
Power supply	2 fieldreplaceable, hotswappable power supply slots	2 fieldreplaceable, hotswappable power supply slots	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supported PSUs JL086A, JL087A and JL670A.	2 fieldreplaceable, hotswappable power supply slots 1 minimum power supply required (ordered separately). Supported PSUs JL086A, JL087A and JL670A.	2 field-replaceable, hot-swappable power supply slots 1 minimum power supply required (ordered separately). Supported PSUs JL086A, JL087A, JL670A and JL758A.
PoE capability			Maximum PoE power: 2880W	Maximum PoE power: 2880W	Maximum PoE power: 2640W
Operating temperature	32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate 1°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 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°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 360 hours total (15 days) in 1 year.	32°F to 113°F (0°C to 45°C) up to 5000 ft. Derate 1°C for every 1000 ft from 5000 ft to 10000 ft.	32°F to 113°F (0°C to 45°C) up to 5,000 ft. Derate 1°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 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°C for every 1,000 ft from 50,00 ft to 10,000 ft. Can support short-term excursions to 131°F (55°C), limited to 96 consecutive hours and 360 hours total (15 days) in 1 year.
Management features	Management, insights, and actions via HPE Aruba Networking Central or HPE Mist (Requires OS-CX10.18.1002)				

	HPE Networking CX6300M 48p Smart Rate 10G PTP/AVB 4p QSFP28 100G MACsec 4320W TAA Switch (S0E93A)	HPE Networking CX6300M 48p Smart Rate 10G PTP/AVB Class8 PoE 4320W 4p QSFP28 100G MACsec Switch (S0E92A)	HPE Networking CX6300M 48p Smart Rate 1G/2.5G/5G Class6 PoE 4p SFP56 50G TAA Switch (S0G04A)	HPE Networking CX6300M 48p Smart Rate 1G/2.5G/5G Class8 PoE 2p 50G 2p 25G Switch (R8S90A)	HPE Networking CX6300M 48p Smart Rate 1G/2.5G/5G/10G PTP/AVB Class8 PoE 4p 100G MACsec Switch (S0E91A)
Warranty	Limited lifetime warranty. See warranty details.				
Fans	Switch has three fan tray slots and comes with three JL714A fan trays installed. Minimum three fan trays required. Fan trays are field replaceable and hotswappable.	Switch has three fan tray slots and comes with three JL714A fan trays installed. Minimum three fan trays required. Fan trays are field replaceable and hotswappable.	Switch has two fan tray slots and comes with two fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has two fan tray slots and comes with two fan trays installed. Minimum two fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.	Switch has three fan tray slots and comes with three JL714A fan trays installed. Minimum three fan trays required. Fan trays are field replaceable and hotswappable. Each fan tray contains two fans.

Related Options

The following options are available for these series:

SKU	Description
Adapters	
S1H23A	HPE Networking CX Switch Bluetooth Adapter
Cables/Cable Kits	
S1J07A	HPE Aruba Networking 50G QSFP56 to SFP56 0.65m DAC Cable
S1J08A	HPE Aruba Networking 50G QSFP56 to SFP56 3m DAC Cable
R9J32A	HPE Aruba Networking USB-A reversible to USB-C PC-to-Switch 3m Cable
R9J33A	HPE Aruba Networking USB-C to USB-C PC-to-Switch 3m Cable
R9G48B	HPE Aruba Networking USBA-RJ45 PC-to-Switch PIN6TX-3RX 2.5m Cable
R8Z87A	HPE Aruba Networking USBA-RJ45 PIN3TX-6RX 2.5m Cable
Converters	
845970-B21	HPE QSFP28 to SFP28 Adapter
Fans/Fan Options	
JL714A	HPE Aruba Networking X741 Port-to-Power Fan
JL669B	HPE Aruba Networking X751 Front to Back Fan Tray
R9F62A	HPE Networking CX6300M Power-to-Port Airflow Fan Tray
JL761A	HPE Networking CX6300M Power-to-Port Fan Tray
HPE Aruba Networking Software	
R9G36AAE	HPE Aruba Networking NetEdit Single Node 1-year Subscription E-STU
JL639AAE	HPE Aruba Networking NetEdit Single Node 1yr Subscription E-STU
R9G37AAE	HPE Aruba Networking NetEdit Single Node 3-year Subscription E-STU
JL640AAE	HPE Aruba Networking NetEdit Single Node 3yr Subscription E-STU
Mounting Rack/Rail Options	
R9F57A	HPE Aruba Networking 1U Universal 4-post Rack Mount Kit
R9F60A	HPE Aruba Networking Universal 4-post Duct Kit
J9583B	HPE Aruba Networking X414 1U Universal 4-post Rack Mount Kit
JL716A	HPE Aruba Networking X544 Universal 4-post Duct Kit (Must order 4-post rack mount kit)
Networking Software	
R9G31AAE	HPE Aruba Networking Fabric Composer Device Management Service Tier 3 Switch 1y Subscription E-STU

R8D18AAE	HPE Aruba Networking Fabric Composer Device Management Service Tier 3 Switch 1y Subscription E-STU
R8D19AAE	HPE Aruba Networking Fabric Composer Device Management Service Tier 3 Switch 3y Subscription E-STU
R9G32AAE	HPE Aruba Networking Fabric Composer Device Management Service Tier 3 Switch 3y Subscription E-STU
R9G33AAE	HPE Aruba Networking Fabric Composer Device Management Service Tier 3 Switch 5y Subscription E-STU
R8D20AAE	HPE Aruba Networking Fabric Composer Device Management Service Tier 3 Switch 5y Subscription E-STU

Power Management Options

JL085A	HPE Aruba Networking X371 12VDC 250W 100-240VAC Power Supply
JL760A	HPE Aruba Networking X371 12VDC 250W 100-240VAC Power-to-Port Power Supply
JL086A	HPE Aruba Networking X372 54VDC 680W 100-240VAC Power Supply
JL087A	HPE Aruba Networking X372 54VDC 1050W 110-240VAC Power Supply
JL670A	HPE Aruba Networking X372 54VDC 1600W 110-240VAC Power Supply
R9F61A	HPE Networking CX6300M 12VDC 250W 100-240VAC Power-to-Port Airflow Power Supply Unit
JL757A	HPE Networking CX6300M 250W 36-72VDC Input Non-PoE Power Supply Unit
JL758A	HPE Networking CX6300M 1050W 36-72VDC Input PoE Power Supply Unit

Private and Hybrid Cloud

R6V03AAE	HPE Aruba Networking Central On-Premises Switch Class3 Advanced 1-year Subscription E-STU
R6V04AAE	HPE Aruba Networking Central On-Premises Switch Class3 Advanced 3-year Subscription E-STU
R6V05AAE	HPE Aruba Networking Central On-Premises Switch Class3 Advanced 5-year Subscription E-STU
R6V06AAE	HPE Aruba Networking Central On-Premises Switch Class3 Advanced 7-year Subscription E-STU
R6V07AAE	HPE Aruba Networking Central On-Premises Switch Class3 Advanced 10-year Subscription E-STU
R3K02AAE	HPE Aruba Networking Central Switch Class3 Foundation 10-year Subscription E-STU
Q9Y78AAE	HPE Aruba Networking Central Switch Class-3 Foundation 1 year Subscription E-STU
Q9Y79AAE	HPE Aruba Networking Central Switch Class-3 Foundation 3 year Subscription E-STU
Q9Y80AAE	HPE Aruba Networking Central Switch Class-3 Foundation 5 year Subscription E-STU
Q9Y81AAE	HPE Aruba Networking Central Switch Class-3 Foundation 7 year Subscription E-STU
R6U83AAE	HPE Aruba Networking Central on Prem Switch Class-3 Foundation 1 year Subscription E-STU
R6U84AAE	HPE Aruba Networking Central on Prem Switch Class-3 Foundation 3 year Subscription E-STU
R6U85AAE	HPE Aruba Networking Central on Prem Switch Class-3 Foundation 5 year Subscription E-STU
R6U86AAE	HPE Aruba Networking Central on Prem Switch Class-3 Foundation 7 year Subscription E-STU
R6U87AAE	HPE Aruba Networking Central on Prem Switch Class-3 Foundation 10 year Subscription E-STU

Transceiver Options

J4860D	HPE Aruba Networking 1G SFP LC LH 70km SMF Transceiver
JL746A	HPE Aruba Networking 1G SFP LC LX 10km SMF TAA Transceiver

R9Q44A	HPE Aruba Networking 1G SFP LC LX 10km SMF TAA Transceiver
J4859D	HPE Aruba Networking 1G SFP LC LX 10km SMF Transceiver
JL745A	HPE Aruba Networking 1G SFP LC SX 500m MMF TAA Transceiver
R9Q43A	HPE Aruba Networking 1G SFP LC SX 500m MMF TAA Transceiver
J4858D	HPE Aruba Networking 1G SFP LC SX 500m OM2 MMF Transceiver
R9F86A	HPE Aruba Networking 1G SFP LC SX 500m OM2 MMF Transceiver
JL747B	HPE Aruba Networking 1G SFP RJ45 100m Cat5e TAA Transceiver
J8177E	HPE Aruba Networking 1G SFP RJ45 100m Cat5e Transceiver
R9Q45A	HPE Aruba Networking 1G SFP RJ45 T 100m Cat5e TAA Transceiver
R9F87A	HPE Aruba Networking 1G SFP RJ45 T 100m Cat5e Transceiver
S2P32A	HPE Aruba Networking 10G ER SFP+ LC 40km SMF C-Class Transceiver
S2P31A	HPE Aruba Networking 10G LR SFP+ LC 10km SMF C-Class Transceiver
J9153D	HPE Aruba Networking 10G SFP+ LC ER 40km SMF Transceiver
JL749A	HPE Aruba Networking 10G SFP+ LC LR 10km SMF TAA Transceiver
R9Q47A	HPE Aruba Networking 10G SFP+ LC LR 10km SMF TAA Transceiver
J9151E	HPE Aruba Networking 10G SFP+ LC LR 10km SMF Transceiver
J9152D	HPE Aruba Networking 10G SFP+ LC LRM 220m OM2 MMF Transceiver
JL748A	HPE Aruba Networking 10G SFP+ LC SR 300m MMF TAA Transceiver
R9Q46A	HPE Aruba Networking 10G SFP+ LC SR 300m MMF TAA Transceiver
J9150D	HPE Aruba Networking 10G SFP+ LC SR 300m OM3 MMF Transceiver
R9F82A	HPE Aruba Networking 10G SFP+ LC SR 300m OM3 MMF Transceiver
R9F83A	HPE Aruba Networking 10G SFP+ to SFP+ 1m Direct Attach Copper Cable
J9281D	HPE Aruba Networking 10G SFP+ to SFP+ 1m Direct Attach Copper Cable
R9F84A	HPE Aruba Networking 10G SFP+ to SFP+ 3m Direct Attach Copper Cable
J9283D	HPE Aruba Networking 10G SFP+ to SFP+ 3m Direct Attach Copper Cable
R9X54A	HPE Aruba Networking 10G SMF Simplex LC BiDi 40km-Downstream 1330/1270 Transceiver
R9X55A	HPE Aruba Networking 10G SMF Simplex LC BiDi 40km-Upstream 1270/1330 Transceiver
S2P30A	HPE Aruba Networking 10G SR SFP+ LC 400m OM4 MMF C-Class Transceiver
R9F85A	HPE Aruba Networking 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver
JL563C	HPE Aruba Networking 10GBASE-T SFP+ RJ45 30m Cat6A Transceiver
S1C96A	HPE Aruba Networking 25G BiDi 10km-Downstream 1330/1270 Transceiver
S1C98A	HPE Aruba Networking 25G BiDi 10km-Upstream 1270/1330 Transceiver
S0V70A	HPE Aruba Networking 25G BiDi 40km-Downstream 1314/1289 Transceiver
S0V71A	HPE Aruba Networking 25G BiDi 40km-Upstream 1289/1314 Transceiver
S0V69A	HPE Aruba Networking 25G ER LC 40km SMF Transceiver
S2P34A	HPE Aruba Networking 25G LR SFP28 LC 10km SMF C-Class Transceiver

S2N63A	HPE Aruba Networking 25G LR SFP28 LC 10km SMF TAA Transceiver
JL486A	HPE Aruba Networking 25G SFP28 LC LR 10km SMF Transceiver
JL484A	HPE Aruba Networking 25G SFP28 LC SR 100m MMF Transceiver
R9F89A	HPE Aruba Networking 25G SFP28 LC SR 100m MMF Transceiver
JL485A	HPE Aruba Networking 25G SFP28 LC eSR 400m MMF Transceiver
R9F90A	HPE Aruba Networking 25G SFP28 LC eSR 400m MMF Transceiver
JL487A	HPE Aruba Networking 25G SFP28 to SFP28 0.65m Direct Attach Cable
R9F91A	HPE Aruba Networking 25G SFP28 to SFP28 0.65m Direct Attach Copper Cable
R0M44A	HPE Aruba Networking 25G SFP28 to SFP28 3m Active Optical Cable
R9F92A	HPE Aruba Networking 25G SFP28 to SFP28 3m Direct Attach Copper Cable
JL488A	HPE Aruba Networking 25G SFP28 to SFP28 3m Direct Attach Copper Cable
JL489A	HPE Aruba Networking 25G SFP28 to SFP28 5m Direct Attach Copper Cable
R9F93A	HPE Aruba Networking 25G SFP28 to SFP28 5m Direct Attach Copper Cable
R0M45A	HPE Aruba Networking 25G SFP28 to SFP28 7m Active Optical Cable
R0Z21A	HPE Aruba Networking 25G SFP28 to SFP28 15m Active Optical Cable
S2P33A	HPE Aruba Networking 25G SR SFP28 LC 100m MMF C-Class Transceiver
S5U19A	HPE Aruba Networking 25G eSR SFP28 LC 400m MMF TAA Transceiver
JL308A	HPE Aruba Networking 40G QSFP+ LC Bidirectional 150m MMF 2-strand Transceiver
Q9G82A	HPE Aruba Networking 40G QSFP+ LC ER4 40km SMF Transceiver
R0Z22A	HPE Aruba Networking 40G QSFP+ to QSFP+ 7m Active Optical Cable
R0Z23A	HPE Aruba Networking 40G QSFP+ to QSFP+ 15m Active Optical Cable
R0Z24A	HPE Aruba Networking 40G QSFP+ to QSFP+ 30m Active Optical Cable
S1C92A	HPE Aruba Networking 50G BiDi 10km-Downstream 1330/1270 Transceiver
S1C94A	HPE Aruba Networking 50G BiDi 10km-Upstream 1270/1330 Transceiver
S0V66A	HPE Aruba Networking 50G ER 40km SMF Transceiver
S0V65A	HPE Aruba Networking 50G LR 10km SMF Transceiver
R0M48A	HPE Aruba Networking 50G SFP56 LC SR 100m MMF Transceiver
R9G06A	HPE Aruba Networking 50G SFP56 to SFP56 0.65m Direct Attach Copper Cable
R0M46A	HPE Aruba Networking 50G SFP56 to SFP56 0.65m Direct Attach Copper Cable
R9G07A	HPE Aruba Networking 50G SFP56 to SFP56 3m Direct Attach Copper Cable
R0M47A	HPE Aruba Networking 50G SFP56 to SFP56 3m Direct Attach Copper Cable
S0V64A	HPE Aruba Networking 50G eSR 300m MMF Transceiver
R0Z30A	HPE Aruba Networking 100G QSFP28 LC CWDM4 2km SMF Transceiver
JL743A	HPE Aruba Networking 100G QSFP28 LC ER4L 40km SMF Transceiver
R9B63A	HPE Aruba Networking 100G QSFP28 LC FR1 SMF 2km Transceiver
JL310A	HPE Aruba Networking 100G QSFP28 LC LR4 10km SMF 2-strand Transceiver

JL309A	HPE Aruba Networking 100G QSFP28 MPO SR4 100m 12-fiber MPO OM3 MMF Transceiver
R0Z25A	HPE Aruba Networking 100G QSFP28 to QSFP28 1m Direct Attach Copper Cable
JL856A	HPE Aruba Networking 100G QSFP28 to QSFP28 2m Active Optical Cable
JL307A	HPE Aruba Networking 100G QSFP28 to QSFP28 3m Direct Attach Copper Cable
R0Z26A	HPE Aruba Networking 100G QSFP28 to QSFP28 5m Direct Attach Copper Cable
R0Z27A	HPE Aruba Networking 100G QSFP28 to QSFP28 7m Active Optical Cable
R0Z28A	HPE Aruba Networking 100G QSFP28 to QSFP28 15m Active Optical Cable
R0Z29A	HPE Aruba Networking 100G QSFP28 to QSFP28 30m Active Optical Cable
S4B44A	HPE Aruba Networking 100G SR1.2 QSFP28 LC 100m MMF Transceiver
S1C93A	HPE Aruba Networking 100G SR2 MPO QSFP28 100m MMF Transceiver
R9F88A	HPE Aruba Networking 100M SFP LC FX 2km MMF Transceiver
J9054D	HPE Aruba Networking 100M SFP LC FX 2km MMF Transceiver
JH232A	HPE Networking X142 40G QSFP+ LC LR4 SM Transceiver
JH231A	HPE Networking X142 40G QSFP+ MPO SR4 Transceiver
JH233A	HPE Networking X142 40G QSFP+ MPO eSR4 300M Transceiver
JH234A	HPE Networking X242 40G QSFP+ to QSFP+ 1m Direct Attach Copper Cable
JH235A	HPE Networking X242 40G QSFP+ to QSFP+ 3m Direct Attach Copper Cable
JH236A	HPE Networking X242 40G QSFP+ to QSFP+ 5m Direct Attach Copper Cable

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