Hewlett Packard Enterprise | ARISTA

Arista 7060X and 7260X 10/25/40/50/100G Data Center Switch Series

Product highlights

Performance
- 7060CX2-32S: 32x QSFP100 and 2x SFP+
- 7060SX2-48YC6: 48x SFP25 and 6x QSFP100
- 7060CX-32S: 32x QSFP100 and 2x SFP+
- 7260CX-64: 64x QSFP100 and 2 x SFP+
- 7260QX-64: 64x QSFP+ and 2x SFP+
- Flexible 40GbE and 100GbE support
- Quad 10GbE or 25GbE mode support
- Up to 12.8 terabits per second
- Up to 9.5 billion packets per second
- Wire speed L2 and L3 forwarding
- Latency from 450ns in 7060CX2-32S and 7060CX-32S

Data center optimized design
- 32 QSFP100 ports in 1RU with typical power of under 7W per port
- Over 93% efficient power supplies
- 1+1 redundant & hot-swappable power
- N+1 redundant & hot-swappable fans
- Front-to-rear or rear-to-front cooling
- Tool-less rails for simple installation

Cloud networking ready
- VXLAN and VM Tracer
- OpenFlow, DirectFlow and eAPI
- 136K MAC entries
- 128K IPv4 Routes
- 104K IPv4 Host Routes
- Up to 64 MB Dynamic Buffer Allocation

Resilient control plane
- High-Performance x86 CPU
- 4 GB DRAM
- User applications can run in a VM

Overview

HPE and Arista share a common vision around the need to deliver secure hybrid IT solutions and experiences built on industry-leading software-defined infrastructure—helping customers to operate their workloads with speed and agility to grow their business. This partnership will provide our customers with proven networking solutions that are superior to legacy alternatives and that complement HPE compute, storage, virtualization, and cloud offerings.

Increased adoption of high performance servers coupled with applications using higher bandwidth is accelerating the need for dense 10/40 and 25/100 Gigabit Ethernet switching in both leaf and spine tiers of modern networks. The Arista 7060X and 7260X Series are purpose built high performance, high density, fixed configuration, data center switches with wire speed layer 2 and layer 3 features, combined with advanced features for software defined cloud networking and emerging requirements. The Arista 7060X and 7260X are key components of the Arista portfolio of data center switches delivering a rich choice of interface speed and density allowing customers to seamlessly evolve from existing 10GbE and 40GbE to 25GbE, 50GbE and 100GbE.

The 7060SX2-48YC6, 7060CX2-32S, 7060CX-32S and 7260CX-64 support a flexible combination of speeds including 10G, 25G, 40G and 100G in compact form factors that allows customers to design networks to accommodate the myriad different applications and east-west traffic patterns found in modern data centers whilst providing investment protection. In addition, the 7060CX2-32S and 7060SX2 enable seamless transition for 1/10/25G servers with IEEE 25G support.

The 7260QX Series are purpose built high density and low power 40GbE systems that enable cost effective solutions with flexible and scalable resources for layer 2 and layer 3 designs.

Combined with Arista EOS both the 7060X and 7260X Series deliver advanced features for cloud, big data, virtualized and traditional data centers.

Figure 1: Arista 7260CX-64: 64 x 40/100GbE QSFP100ports, 2 SFP+ ports

Figure 2: Arista 7060CX2-32S: 32 x 40/100GbE QSFP100ports, 2 SFP+ ports

Figure 3 Arista 7060SX2-48YC6: 48 x 10/25GbE SFP ports, 6 QSFP100 ports

Arista Extensible Operating System (EOS)

The Arista 7060X and 7260X run the same Arista EOS software as all Arista products, simplifying network administration. Arista EOS is a modular switch operating system with a unique state sharing architecture that cleanly separates switch state from protocol processing and application logic. Built on top of a standard Linux® kernel, all EOS processes run in their own protected memory space and exchange state through an in-memory database. This multi-process state sharing architecture provides the foundation for in-service-software updates and self-healing resiliency.

With Arista EOS, advanced monitoring and automation capabilities such as Zero Touch Provisioning, VM Tracer and Linux based tools can be run natively on the switch with the powerful x86 CPU subsystem.

Advanced provisioning & monitoring
- CloudVision
- Zero-touch provisioning (ZTP)
- LANZ for microburst detection
- DANZ Advanced Mirroring for visibility
- sFlow®
- Self-configure and recover from USB

Arista EOS
- Single binary image for all products
- Fine-grained truly modular network OS
- Stateful fault containment (SFC)
- Stateful fault repair (SFR)
- Full Access to Linux shell and tools
- Extensible platform—bash, python, C++

Model overview

The Arista 7260X and 7060X come in four different configurations. Each delivers high performance combined with feature rich layer 2 and layer 3 forwarding, suited for both top of rack leaf, or fixed configuration spines.

The **7260CX-64** is a 2RU system with 64 QSFP100 ports offering wire speed performance with an overall throughput of up to 12.8 Tbps, combined with latency of under 1500ns and 64MB of buffer that is shared between groups of interfaces. Each QSFP port supports a choice of 5 speeds with flexible configuration between 100GbE, 40GbE, 4x10GbE, 4x25GbE or 2x50GbE modes for up to 256 ports of 10GbE or 25GbE, and 128x 50GbE. All ports can operate in any supported mode without limitation, allowing easy transitions and maximum flexibility.

Figure 4: Arista 7260CX-64:
64x 100GbE QSFP100 ports, 2 SFP+ ports

The **7060CX2-32S** and **7060CX-32S** deliver 32 QSFP100 ports in a 1RU system with an overall throughput of 6.4Tbps. All ports allow for a choice of five speeds including 100GbE, 40GbE, 4x10GbE, 4x25GbE or 2x 50GbE with a wide choice of QSFP transceivers and cables. All QSFP ports can operate in any mode without limitation enabling a wide choice of combinations for both top of rack and spine deployment.

The Arista 7060CX-32S supports latency as low as 450ns in cut-through mode, and a 16 MB shared packet buffer pool that is allocated dynamically to ports that are congested. The Arista 7060CX2-32S introduces support for IEEE 25GbE and supports a larger shared packet buffer pool of 22 MB with the same low latency of 450ns.

Figure 5: Arista 7060CX2-32S & Arista 7060CX-32S:
32 x 100GbE QSFP100 ports, 2 SFP+ ports

The **7260QX-64** is a 2RU system with 64 fixed ports of 40GbE QSFP+ in a power efficient system with overall throughput of 5.12 Tbps and up to 3.3 Bpps of forwarding at both layer 2 and layer 3.

Figure 6: Arista 7260QX-64:
64 x 40GbE QSFP+ ports, 2 SFP+ ports

The Arista 7260QX switches offer low latency from 550 ns in cut-through mode, and a shared 16 MB packet buffer pool that is allocated dynamically to ports that are congested. Features consistent with the 7060CX and 7260CX, combined with low power and high 40GbE density, mean the 7260QX is optimized for 40GbE top-of-rack and spine tiers, high density storage, and financial trading systems. All members of the 7060X and 7260X series provide two SFP+ ports that enhance the 40GbE and 100GbE capacity and allow direct 10GbE and 1GbE connections using a comprehensive range of transceivers and cables.

The **7060SX2-48YC6** delivers 48 ports of 25G SFP and 6 ports of 100G QSFP in a 1RU system with an overall throughput of 3.6Tbps with all ports active. The SFP ports allow a choice of 1/10/25G speeds and QSFP ports allow for a choice of 5 speeds including 100GbE, 40GbE, 4x10GbE, 4x25GbE or 2x 50GbE and a wide choice of transceivers and cables. All QSFP ports can operate in any mode without limitation enabling a wide choice of combinations for both top of rack and spine deployment.

The Arista 7060SX2-48YC6 supports IEEE 25G and latency as low as 450ns in cut-through mode coupled with a 22 MB shared packet buffer pool that is allocated dynamically to ports that are congested.

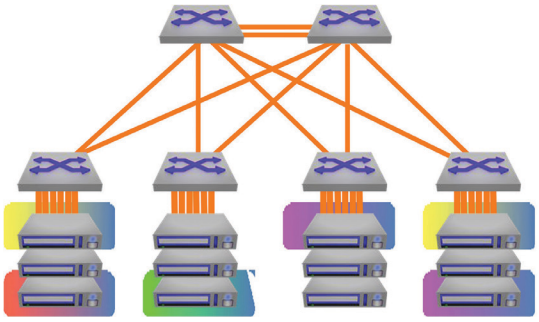
Figure 7: Arista 7060SX2-48YC6:
48 x SFP28 ports, 6 QSFP100 ports

Dynamic buffer allocation

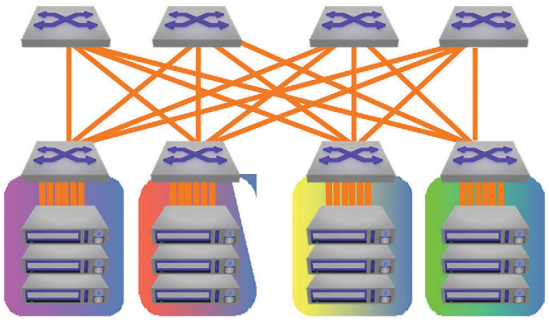
In cut-through mode, the Arista 7060X and 7260X switches forward packets with a latency of 450 nanoseconds to 550 nanoseconds. Upon congestion, the packets are buffered in shared packet memory that has a total size of 16 MB to 22 MB per port group. Unlike other architectures that have fixed per-port packet memory, the 7060X and 7260X series use dynamic buffer allocation (DBA) to allocate packet memory to a single port for lossless forwarding.

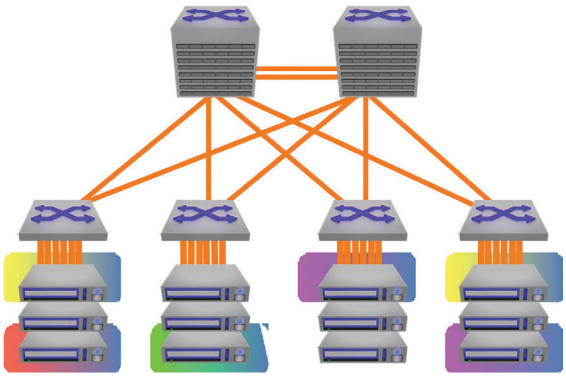
Scaling data center performance

The Arista 7060X and 7260X series switches deliver line rate switching at layer 2 and layer 3 to enable dramatically faster and simpler network designs for data centers that dramatically lower the network capital and operational expenses. When used in conjunction with the Arista 7000 series of fixed and modular switches, it allows networks to scale to over 27,000 10G/25G servers in a low-latency two-tier network that provides predictable and consistent application performance. The flexibility of the L2 and L3 multi-path design options, combined with support for open standards, provides architectural flexibility, scalability, and network-wide virtualization. Arista EOS advanced features provide control and visibility with a single point of management.



Arista Fixed System
Leaf-Spine Designs Scale
to 6,144 10GbE/25GbE ports
or 1,536 40GbE/100GbE port
at 3:1 subscription





Arista Fixed System
Leaf-Spine Designs Scale
to 6,144 Arista Modular System
Leaf-Spine Designs Scale
to 9,216 40GbE/100GbE ports
or 27,648 10GbE/25GbE ports
at 3:1 subscription

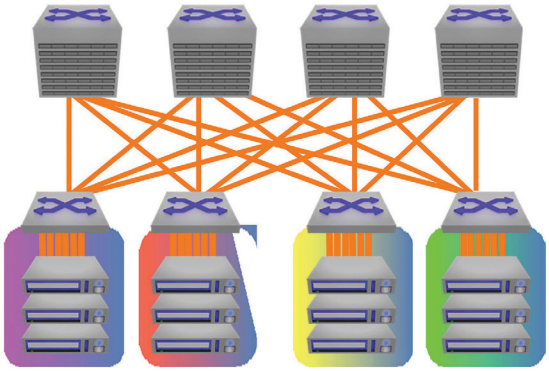


Figure 8: Arista Leaf-Spine Two-tier Network Architecture with 7060X and 7260X Series

Maximum flexibility for scale-out network designs

Scale-out network designs enable solutions to start small and evolve over time. A simple two-way design can grow as far as 64-way without significant changes to the architecture. The Arista 7060X and 7260X include enhancements that allow for flexible scale-out designs:

- 128-way ECMP and 64-way MLAG provide scalable designs and balance traffic evenly across large-scale two-tier leaf-spine designs
- Custom hash algorithms for efficient hashing, persistent hashing, and custom lookups for tunneled protocols
- Flexible allocation of L2 and L3 forwarding table resources for more design choice
- Wide choice of dense 10G/25G/40G/100G interfaces for multi-speed flexibility
- Support for standards-based IEEE 25GbE with mix-and-match support for both 10G and 25G for simple and cost effective migration
- VXLAN routing, bridging, and gateway capability for physical to virtualization communication in next-generation data center designs
- DANZ, sFlow, and multi-port mirroring to detect micro-burst congestion and provide network-wide visibility and monitoring

High availability

The Arista 7060X and 7260X series switches were designed for high availability from both a software and hardware perspective. Key high-availability features include:

- 1+1 hot-swappable power supplies and four N+1 hot-swappable fans
- Color coded PSUs and fans
- Live software patching
- Self-healing software with stateful fault repair (SFR)
- Smart System Upgrade (SSU) and Accelerated Software Update (ASU)
- Up to 64 10/25/40/50/100GbE ports per link aggregation group (LAG)
- Multi-chassis LAG for active/active L2 multi-pathing
- 128-way ECMP routing for load balancing and redundancy

Figure 9: Arista 7060X 1RU Rear View: Rear to Front airflow (blue)

Figure 10: 7060X 1RU Rear View: Front to Rear airflow (red)

Figure 11: Arista 7260X 2RU rear view: rear-to-front airflow (blue)

Software-driven cloud networking

Arista Software Driven Cloud Networking (SDCN) combines the principles that have made cloud computing the unstoppable force that it is—automation, self-service provisioning, and linear scaling of both performance and economics—with the trend in software-defined networking that delivers network virtualization, custom programmability, simplified architectures, and lower capital expenditure. This combination creates a best-in-class software foundation for maximizing the value of the network to both the enterprise and service provider data center.

Smart System Upgrade (SSU)

Smart System Upgrade is a network application designed to address one of the most complicated and challenging tasks facing data center administrators—network infrastructure maintenance. Changes to the underlying network infrastructure can affect large numbers of devices and cause significant outages. SSU provides a fully customizable suite of features that tightly couples data center infrastructure to technology partners, allowing for intelligent insertion and removal, programmable updates to software releases, and open integration with application and infrastructure elements.

Advanced Event Management (AEM)

Simplifying the overall operations, AEM provides the tools to customize alerts and actions. AEM is a powerful and flexible set of tools to automate tasks and customize the behavior of EOS and the operation of the overall data center switching infrastructure. AEM allows operators to fully utilize the intelligence within EOS to respond to real-time events, automate routine tasks, and automate actions based on changing network conditions.

Precise data analysis

Arista Latency Analyzer (LANZ) is an integrated feature of EOS. LANZ provides precise real-time monitoring of micro-burst and congestion events before they impact applications, with the ability to identify the sources and capture affected traffic for analysis.

Virtualization

Supporting next-generation virtualized data centers requires tight integration with orchestration tools and emerging encapsulation technologies such as VXLAN. The 7060X and 7260X build on the valuable tools already provided by the Arista VM Tracer suite to integrate directly into encapsulated environments. Offering a wire-speed gateway between VXLAN and traditional L2/3 environments, they make for seamless integration of non-VXLAN aware devices—including servers, firewalls, and load-balancers—and provide the ability to leverage VXLAN as a standards-based L2 extension technology for non-MPLS environments.

Unified forwarding table (UFT)

Cloud network scalability is directly impacted by the size of the switch forwarding tables. In many systems, a “one size fits all” approach is adopted, using discrete fixed-size tables for each of the common types of forwarding entry. The Arista 7060X and 7260X leverage a common unified forwarding table for the L2 MAC, L3 routing, L3 host and IP multicast forwarding entries, which can be partitioned per entry type. The ideal size of each partition varies depending on the network deployment scenario. The flexibility of the UFT, coupled with the range of predefined configuration profiles available on the 7060X and 7260X, ensures optimal resource allocation for all network topologies and network virtualization technologies.

Feature overview

Layer 2 features
- 802.1w Rapid Spanning Tree
- 802.1s Multiple Spanning Tree Protocol
- Rapid Per VLAN Spanning Tree (RPVST+)
- 4096 VLANs
- Q-in-Q
- 802.3ad Link Aggregation/LACP
  - 64 ports/channel
  - 64 groups per system
- Multi-Chassis Link Aggregation (MLAG)
  - 64 ports per MLAG
- Custom LAG Hashing
- Resilient LAG Hashing
- 802.1AB Link Layer Discovery Protocol
- 802.3x Flow Control
- Jumbo Frames (9216 Bytes)
- IGMP v1/v2/v3 Snooping
- Storm Control
- Audio Video Bridging (AVB)*

Layer 3 features
- Routing Protocols: OSPF, OSPFv3, BGP, MP-BGP, IS-IS, and RIPv2
- 128-way Equal Cost Multipath Routing (ECMP)
- Resilient ECMP Routes
- VRF
- BFD
- Route maps
- IGMP v2/v3
- PIM-SM/PIM-SSM
- Anycast RP (RFC 4610)
- VRRP
- Virtual ARP (VARP)
- Policy Based Routing (PBR)
- uRPF
- RAIL

Advanced monitoring and provisioning
- Zero touch provisioning (ZTP)
- Smart System Upgrade Leaf
- Latency Analyzer and Microburst Detection (LANZ)
  - Configurable Congestion Notification (CLI, Syslog)
  - Streaming Events (GPB Encoded)
  - Capture/Mirror of congested traffic
- Advanced Monitoring and Aggregation
  - Port Mirroring (4 active sessions)
  - L2/3/4 Filtering on Mirror Sessions
  - Port Channel source and destination
  - Mirror to CPU*
- Advanced Event Management suite (AEM)
  - CLI Scheduler
  - Event Manager
  - Event Monitor
  - Linux tools
- Integrated packet capture/analysis with TCPDump
- RFC 3176 sFlow
- Restore and configure from USB
- Blue Beacon LED for system identification
- Software-defined networking (SDN)
  - OpenFlow 1.0
  - OpenFlow 1.3
  - Arista DirectFlow
  - eAPI
  - OpenStack® Neutron Support
- IEEE 1588 PTP (Transparent Clock and Boundary Clock)

Virtualization support
- VXLAN Gateway (draft-mahalingam-dutt-dcops-vxlan-01)
- VXLAN Tunnel Endpoint
- VXLAN Routing
- VXLAN Bridging
- VM Tracer VMware® Integration
  - VMware® vSphere™ support
  - VM Auto Discovery
  - VM Adaptive Segmentation
  - VM Host View

Security features
- PDP
- Service ACLs
- DHCP Relay/Snooping
- TACACS+
- RADIUS

Quality of service (QoS) features
- Up to 8 queues per port
- 802.1p based classification
- DSCP based classification and remarking
- Explicit Congestion Notification (ECN), 7060X only
- QoS interface trust (COS/DSCP)
- Strict priority queueing
- Weighted Round Robin (WRR) Scheduling
- Per-Priority Flow Control (PFC)
- Data Center Bridging Extensions (DCBX)
- 802.1Qaz Enhanced Transmissions Selection (ETS)
- ACL based DSCP Marking
- ACL based Policing
- Per port MMU Configuration
- Policing/Shaping
- Rate limiting

Network management
- CloudVision
- 10/100/1000 Management Port
- RS-232 Serial Console Port
- USB Port
- SNMP v1, v2, v3
- Management over IPv6
- Telnet and SSHv2
- Syslog
- AAA
- Industry Standard CLI

*Not currently supported in EOS

Extensibility
- Linux Tools
  - Bash shell access and scripting
  - RPM support
  - Custom kernel modules
- Programmatic access to system state
  - Python
  - C++
- Native KVM/QEMU support

Standards compliance
- 802.1D Bridging and Spanning Tree
- 802.1p QOS/COS
- 802.1Q VLAN Tagging
- 802.1w Rapid Spanning Tree
- 802.1s Multiple Spanning Tree Protocol
- 802.1AB Link Layer Discovery Protocol
- 802.3ad Link Aggregation with LACP
- 802.3ab 1000BASE-T
- 802.3z Gigabit Ethernet
- 802.3ae 10 Gigabit Ethernet
- 802.3ba 40 and 100 Gigabit Ethernet
- 802.3by 25 Gigabit Ethernet[1]
- RFC 2460 Internet Protocol, Version 6 (IPv6) Specification
- RFC 4861 Neighbor Discovery for IP Version 6 (IPv6)
- RFC 4862 IPv6 Stateless Address Autoconfiguration
- RFC 4443 Internet Control Message Protocol (ICMPv6) for the Internet Protocol Version 6 (IPv6) Specification

SNMP MIBs
- RFC 3635 EtherLike-MIB
- RFC 3418 SNMPv2-MIB
- RFC 2863 IF-MIB
- RFC 2864 IF-INVERTED-STACK-MIB
- RFC 4292 IP-FORWARD-MIB
- RFC 4363 Q-BRIDGE-MIB
- RFC 4188 BRIDGE-MIB
- RFC 2013 UDP-MIB
- RFC 2012 TCP-MIB
- RFC 2011 IP-MIB
- RFC 2790 HOST-RESOURCES-MIB
- RFC 3636 MAU-MIB
- RMON-MIB
- RMON2-MIB
- HC-RMON-MIB
- LLDP-MIB
- LLDP-EXT-DOT1-MIB
- LLDP-EXT-DOT3-MIB
- ENTITY-MIB
- ENTITY-SENSOR-MIB
- ENTITY-STATE-MIB
- ARISTA-ACL-MIB
- ARISTA-QUEUE-MIB
- RFC 4273 BGP4-MIB
- RFC 4750 OSPF-MIB
- ARISTA-CONFIG-MAN-MIB
- ARISTA-REDUNDANCY-MIB
- RFC 2787 VRRPv2-MIB
- MSDP-MIB
- PIM-MIB
- IGMP-MIB
- IPMROUTE-STD-MIB
- SNMP authentication failure trap
- ENTITY-SENSOR-MIB support for DOM (Digital Optical Monitoring)
- User configurable custom OIDs

See EOS release notes for latest supported MIBs.

Table sizes

STP instances	64 (MST)/510 (RPVST+)				
IGMP groups	136K, with 8K unique groups				
ECMP	128-way, 1K groups				
UFT Mode-2 is default	**0**	**1**	**2**	**3**	**4**
MAC addresses	136K	104K	72K	40K	8K
IPv4 host routes	8K	40K	72K	104K	8K
IPv4 multicast (S, G)	4K	20K	36K	52K	4K
IPv6 host routes	4K	20K	36K	52K	4K
LPM table mode	**ALPM**	**1**	**2**	**3**	**4**
IPv4 LPM routes	128K	16K	16K	16K	16K
IPv6 LPM routes—unicast (prefix length <= 64)	84K	6K	4K	2K	-
IPv6 LPM routes—unicast (any prefix length)	20K	1K	2K	3K	4K

[1] Supported only on 7060CX2-32S and 7060SX2-48YC6

Specifications

Switch model	7060CX2-32S	7060SX2-48YC6	7060CX-32S	7260CX-64	7260QX-64
Ports	32 x QSFP100 2x SFP+	48 x SFP25 6x QSFP100	32 x QSFP+ 2 x SFP+	64 x QSFP100 2 x SFP+	64 x QSFP+ 2 x SFP+
Max 100GbE Ports	32	6	32	64	0
Max 40GbE Ports	32	6	32	64	64
Max 25GbE Ports	128 (4x25G)	72 (48xSFP25 & 6 4x25G)	128 (4x25G)	256 (4x25G)	0
Max 10GbE Ports	130 (32 4x10G & 2xSFP+)	72 (48xSFP+ & 6 4x10G)	130 (32 4x10G & 2xSFP+)	258 (64 4x10 & 2xSFP+)	2
Max 1GbE Ports	2	48	2	2	2
Throughput	6.4 Tbps	3.6 Tbps	6.4 Tbps	12.8 Tbps	5.12 Tbps
Packets/second	3.3 Bpps	2.7 Bpps	3.3 Bpps	9.52 Bpps	3.3 Bpps
Latency	450ns	450ns	450 ns	550 to 1500 ns	550 ns
CPU	Multi-Core x86	Multi-core x86	Multi-core x86	Dual-core i7 x86	Multi-core x86
System memory	8 GB	8 GB	4 GB	8 GB	4 GB
Flash storage memory	4 GB	4 GB	4 GB	4 GB	4 GB
Packet buffer memory	22 MB (Dynamic Buffer Allocation)	22 MB (Dynamic buffer allocation)	16 MB (Dynamic buffer allocation)	64 MB (Dynamic buffer allocation)	16 MB (Dynamic buffer allocation)
10/100/1000 management ports	1	1	1	1	1
RS-232 serial ports	1 (RJ-45)	1 (RJ-45)	1 (RJ-45)	1 (RJ-45)	1 (RJ-45)
USB ports	1	1	1	1	1
Hot-swap power supplies	2 (1+1 redundant)	2 (1+1 redundant)	2 (1+1 redundant)	2 (1+1 redundant)	2 (1+1 redundant)
Hot-swappable fans	4 (N+1 redundant)	4 (N+1 redundant)	4 (N+1 redundant)	4 (N+1 redundant)	4 (N+1 redundant)
Reversible airflow option	Yes	Yes	Yes	Yes	Yes
Typical/ max power*	220W / 410W	240W / 385W	220W/410W	1672W/2090W	315W/800W
Size	19 x 1.75 x 16 inches (48.3x 4.4x 40.64cm)	19 x 1.75 x 16 inches (48.3x 4.4x 40.64cm)	19 x 1.75 x 16 in (48.3 x 4.4 x 40.64 cm)	19 x 3.5 x 18 in (48.3 x 8.8 x 45.7 cm)	19 x 3.5 x 18 in (48.3 x 8.8 x 45.7 cm)
Weight	21lbs (9.5kg)	19.4lbs (8.8kg)	21 lb (9.5 kg)	44.1 lb (20.0 kg)	35.5 lb (16.1 kg)
Fan tray	FAN-7000H	FAN-7000	FAN-7000	FAN-7002H	FAN-7002
Power supplies	"500W AC 500W DC"	500W AC 500W DC	500W AC 500W DC	1900W AC 1900W DC	1100W AC 1100W DC
EOS Feature Licenses	LIC-FIX-2	LIC-FIX-2	LIC-FIX-2	LIC-FIX-4	LIC-FIX-3

*Typical power consumption measured at 25 C ambient with 50% load.

Notes:

1 Performance rated over operation with average packets larger than 200 bytes.

2 Cut-through forwarding is not currently supported.

Supported optics and cables

Interface type	QSFP+ ports
10GBASE-CR	0.5 m to 5 m QSFP+ to 4x SFP+[1]
40GBASE-CR4	0.5–5 m QSFP+ to QSFP+
40GBASE-AOC	3 m to 100 m
40GBASE-UNIV	150 m (OM3)/150 m (OM4)/500 m (SM)
40GBASE-SRBD	100 m (OM3)/150 m (OM4)
40GBASE-SR4	100 m (OM3)/150 m (OM4)
40GBASE-XSR4	300 m (OM3)/450 m (OM4)
40GBASE-PLRL4	1 km (1 km 4 x 10 G LR/LRL)
40GBASE-PLR4	10 km (10 km 4 x 10 G LR/LRL)
40GBASE-LRL4	1 km
40GBASE-LR4	10 km
40GBASE-ER4	40 km

[1] Not supported on 7260QX-64 QSFP+ ports

Interface type	QSFP100 ports
100GBASE-SR4	70 m OM3/100 m OM4 Parallel MMF
100GBASE-SWDM4	70 m OM3/100 m OM4 Duplex MMF
100GBASE-LR4/LRL4	10 km/2 km SM Duplex
100GBASE-CWDM4	2 km SM duplex
100GBASE-PSM4	500 m SM Parallel
100GBASE-AOC	3 m to 30 m
100GBASE-ERL4	40 km SM Duplex
100GBASE-CR4	QSFP to QSFP: 1 m to 5 m
25GBASE-CR	QSFP to SFP25: 1 m to 3 m lengths

Interface type	SFP+ ports
10GBASE-CR	SFP+ to SFP+: 0.5 m-5 m
10GBASE-AOC	SFP+ to SFP+: 3 m-30 m
10GBASE-SRL	100 m
10GBASE-SR	300 m
10GBASE-LRL	1 km
10GBASE-LR	10 km
10 GBASE-ER	40 km
10GBASE-ZR	80 km
10GBASE-DWDM	80 km
100 Mb TX, 1GbE SX/LX/TX	Yes

Interface type	25G SFP Ports
25GBASE-CR	SFP25 to SFP25: 1m-5m
25GBASE-AOC	SFP+ to SFP+: 3m-30m
25GBASE-SR	70 m
25GBASE-LR	10 m

Environmental characteristics

Operating temperature	0 to 40°C (32 to 104°F)
Storage temperature	-40 to 70°C (-40 to 158°F)
Relative humidity	5 to 95%
Operating altitude	0 to 10,000 ft, (0-3,000 m)

Standards compliance

EMC	• Emissions: FCC, EN55022, EN61000-3-2, EN61000-3-3 or EN61000-3-11, EN61000-3-12 (as applicable) • Immunity: EN55024 • Emissions and immunity: EN300 386
Safety	• UL/CSA 60950-1, EN 60950-1, IEC 60950-1 • CB Scheme with all country differences
Certifications	• North America (NRTL) • European Union (EU) • BSMI (Taiwan) • C-Tick (Australia) • CCC (PRC) • MSIP (Korea) • EAC (Customs Union) • VCCI (Japan)
European Union directives	• 2006/95/EC Low Voltage Directive • 2004/108/EC EMC Directive • 2011/65/EU RoHS Directive • 2012/19/EU WEEE Directive

Power supply specifications

Power supply model	PWR-500AC	PWR-500DC	PWR-745AC	PWR-1100AC	PWR-1900AC	PWR-1900DC
Input voltage	100-240V AC	40-72V DC	100-240V AC	200-240V AC	200-240V AC	40-72V DC
Typical input current	6.3 - 2.3A	13.1 - 7.3A 11A at -48V	10 - 4A	6.5 - 5.5A	11.2 - 9.5A	28 - 50A 46A at -48V
Input frequency	50/60 Hz	DC	50/60 Hz	50/60 Hz	50/60 Hz	DC
Input connector	IEC 320-C13	AWG #16-12	IEC 320-C13	IEC 320-C13	IEC 60320 C20	AWG #6-3
Efficiency (typical)	93% platinum	90%	93% platinum	93% platinum	93% platinum	90%
Compatibility	7060SX2-48YC6 7060CX-32S 7060CX2-32S	7060SX2-48YC6 7060CX-32S 7060CX2-32S	7060CX-32S	7260QX-64	7260CX-64	7260CX-64 7260QX-64

Ordering information

Switch	Arista SKU	HPE SKU
Arista 7260X 64QSFP28 2SFP+ Front-to-Back AC Switch	DCS-7260CX-64-F	JH799A
Arista 7260X 64QSFP28 2SFP+ Back-to-Front AC Switch	DCS-7260CX-64-R	JH800A
Arista 7260X 64QSFP+ 2SFP+ Front-to-Back AC Switch	DCS-7260QX-64-F	JH801A
Arista 7260X 64QSFP+ 2SFP+ Back-to-Front AC Switch	DCS-7260QX-64-R	JH802A
Arista 7060X2 48SFP28 6QSFP28 Front-to-Back AC Switch	DCS-7060SX2-48YC6-F	JQ180A
Arista 7060X2 48SFP28 6QSFP28 Back-to-Front AC Switch	DCS-7060SX2-48YC6-R	JQ181A
Arista 7060X2 32QSFP28 2SFP+ Front-to-Back AC Switch	DCS-7060CX2-32S-F	JH976A
Arista 7060X2 32QSFP28 2SFP+ Back-to-Front AC Switch	DCS-7060CX2-32S-R	JH977A
Arista 7060X 32QSPF28 2SFP+ F-B AC Switch	DCS-7060CX-32S-F	JH576A
Arista 7060X 32QSPF28 2SFP+ B-F AC Switch	DCS-7060CX-32S-R	JH577A

Ordering information (continued)

Optional components	Arista SKU	HPE SKU
Arista Enhanced L3 Software 10G Fix-2 E-LTU	LIC-FIX-2-E	JH606AAE
Arista Provisioning Software 10G Fix-2 E-LTU	LIC-FIX-2-Z	JH608AAE
Arista Virtualization Software 10G Fix-2 E-LTU	LIC-FIX-2-V	JH609AAE
Arista Expanded L3 Software Fix-2 E-LTU	LIC-FIX-2-FLX	JH601AAE
Arista FlexRoute L3 Lite Software Fix-2 E-LTU	LIC-FIX-2-FLX-L	JQ049AAE
Arista Enhanced L3 Software 10G Fix-3 E-LTU	LIC-FIX-3-E	JL409AAE
Arista Provisioning Software 10G Fix-3 E-LTU	LIC-FIX-3-Z	JL411AAE
Arista Virtualization Software 10G Fix-3 E-LTU	LIC-FIX-3-V	JL414AAE
Arista FlexRoute L3 Software Fix-3 E-LTU	LIC-FIX-3-FLX	JQ051AAE
Arista FlexRoute L3 Lite Software Fix-3 E-LTU	LIC-FIX-3-FLX-L	JQ050AAE
Arista Enhanced L3 Software 10G Fix-4 E-LTU	LIC-FIX-4-E	JL410AAE
Arista Provisioning Software 10G Fix-4 E-LTU	LIC-FIX-4-Z	JL412AAE
Arista Virtualization Software 10G Fix-4 E-LTU	LIC-FIX-4-V	JL415AAE
Arista Expanded L3 Software Fix-4 E-LTU	LIC-FIX-4-FLX	JH602AAE
Arista FlexRoute L3 Lite Software Fix-4 E-LTU	LIC-FIX-4-FLX-L	JQ052AAE
Arista 7002 High Speed Front-to-Back Fan Module	FAN-7002H-F	JH859A
Arista 7002 High Speed Back-to-Front Fan Module	FAN-7002H-R	JH860A
Arista 7300 Series Front-to-Back Fan Module	FAN-7002-F	JL402A
Arista 7300 Series Back-to-Front Fan Module	FAN-7002-R	JL403A
Arista 7000 Front-to-Back Fan Module	FAN-7000-F	JH856A
Arista 7000 Back-to-Front Fan Module	FAN-7000-R	JH857A
Arista 7000 1RU Switch Front-to-Back Fan Module	FAN-7001D-F	JQ212A
Arista 7000 1RU Switch Back-to-Front Fan Module	FAN-7001D-R	JQ213A
Arista 500W Front-to-Back AC Power Supply	PWR-500AC-F	JH882A
Arista 500W Back-to-Front AC Power Supply	PWR-500AC-R	JH883A
Arista 500W Front-to-Back DC Power Supply	PWR-500-DC-F	JH597A
Arista 500W Back-to-Front DC Power Supply	PWR-500-DC-R	JH599A
Arista 750W TX Front-to-Back AC Power Supply	PWR-745AC-F	JH884A
Arista 750W TX Back-to-Front AC Power Supply	PWR-745AC-R	JH885A
Arista 1100W Front-to-Back AC Power Supply	PWR-1100AC-F	JH874A
Arista 1100W Back-to-Front AC Power Supply	PWR-1100AC-R	JH875A
Arista 7000 1RU Switch 1600W Front-to-Back AC Power Supply	PWR-1600AC-F	JQ210A
Arista 7000 1RU Switch 1600W Back-to-Front AC Power Supply	PWR-1600AC-R	JQ211A
Arista 7000 1900W Front-to-Back AC Power Supply	PWR-1900AC-F	JH876A
Arista 7000 1900W Back-to-Front AC Power Supply	PWR-1900AC-R	JH877A
Arista 7000 1900W Front-to-Back DC Power Supply	PWR-1900-DC-F	JH878A
Arista 7000 1900W Back-to-Front DC Power Supply	PWR-1900-DC-R	JQ014A

Ordering information (continued)

Optional components	Arista SKU	HPE SKU
Arista 7002 2RU Accessory Kit	KIT-7002	JH867A
Arista 7001 1RU Accessory Kit	KIT-7001	JH866A
Arista 7260CX-64 2RU Accessory Kit	KIT-7003	JQ398A
Arista 2 Post 2RU Rack Mount Kit	KIT-2POST	JH862A
Arista 2 Post 1RU Rack Mount Kit	KIT-2POST-1U-NT	JH863A
Arista 4 Post Rack Mount Kit	KIT-4POST-NT	JH864A

Service	Arista SKU	HPE SKU
Arista A-Care 7060CX-32 NBD Software 1 Month Support E-LTU	SVC-7060CX-32S-1M-NB	JH499AAE
Arista A-Care 7060CX-32 4H Software 1 Month Support E-LTU	SVC-7060CX-32S-1M-4H	JH500AAE
Arista A-Care 7060CX-32 2H Software 1 Month Support E-LTU	SVC-7060CX-32S-1M-2H	JH501AAE
Arista A-Care 7260CX-64 2H Software 1 Month Support E-LTU	SVC-7260CX-64-1M-2H	JH730AAE
Arista A-Care 7260CX-64 4H Software 1 Month Support E-LTU	SVC-7260CX-64-1M-4H	JH731AAE
Arista A-Care 7260CX-64 NBD Software 1 Month Support E-LTU	SVC-7260CX-64-1M-NB	JH732AAE
Arista A-Care 7260QX-64 2H Software 1 Month Support E-LTU	SVC-7260QX-64-1M-2H	JH733AAE
Arista A-Care 7260QX-64 4H Software 1 Month Support E-LTU	SVC-7260QX-64-1M-4H	JH734AAE
Arista A-Care 7260QX-64 NBD Software 1 Month Support E-LTU	SVC-7260QX-64-1M-NB	JH735AAE
Arista A-Care 7060X2 NBD Software 1 Month Support E-LTU	SVC-7060CX2-32S-1M-NB	JH958AAE
Arista A-Care 7060X2 4H Software 1 Month Support E-LTU	SVC-7060CX2-32S-1M-4H	JH959AAE
Arista A-Care 7060X2 2H Software 1 Month Support E-LTU	SVC-7060CX2-32S-1M-2H	JH960AAE
Arista A-Care 7060X2-48YC6 NBD Software 1 Month Support E-LTU	SVC-7060SX2-48YC6-1M-NB	JQ188AAE
Arista A-Care 7060X2-48YC6 4H Software 1 Month Support E-LTU	SVC-7060SX2-48YC6-1M-4H	JQ189AAE
Arista A-Care 7060X2-48YC6 2H Software 1 Month Support E-LTU	SVC-7060SX2-48YC6-1M-2H	JQ190AAE

Headquarters
Hewlett Packard Enterprise
3000 Hanover Street
Palo Alto, CA 94304

Support
For more information:
hpe.com/us/en/services.html
+1-800-633-3600

HPE Networking Sales
+1-888-269-4073

Service and Support

HPE Pointnext's full portfolio of Consulting services as well as Support Services are available. The support services include Installation and Startup Services, Next Business Day Exchange, Next Business Day Onsite and 24x7 Onsite parts, Engineer and 4-hour committed response as well as Datacenter Care and Flex Capacity. (Arista A-Care services can also be purchased. Learn more at **arista.com**). For service depot locations, please see: **arista.com/en/service**.

Warranty

The Arista 7060X and 7260X switches come with a one-year limited hardware warranty that covers parts, repair, or replacement with a 10-business-day turnaround after the unit is received. Learn more at **arista.com**.

Sign up for updates

a00002509ENW, February 2018, Rev. 8