Overview

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

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 40 and 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 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.

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.

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

Arista 7060CX-32S: 32 x 40/100GbE QSFP100 ports, 2 SFP+ ports

Product Highlights

Performance
- 7060CX2-32S: 32x QSFP100 and 2x SFP+
- 7060CX-32S: 32x QSFP100 and 2x SFP+
- 7260CX-64: 64x QSFP100 and 2 x SFP+
- 7260QX-64: 64x QSFP+ and 2x SFP+

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

Advanced Provisioning & Monitoring

Overview

- 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
- 7060CX2-32S and 7060CX-32S latency from 450ns

- CloudVision
- Zero Touch Provisioning (ZTP)
- LANZ for microburst detection
- DANZ Advanced Mirroring for visibility
- sFlow
- Self-configure and recover from USB

Data Center Optimized Design

- 7060CX-32S typical power of under 7W per 100GbE port for lower cost of ownership
- 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

Arista Extensible Operating System

- 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++

Cloud Networking Ready

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

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, VMTracer and Linux based tools can be run natively on the switch with the powerful x86 CPU subsystem.

Model Overview

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.

Arista 7260CX-64:
64x 100GbE QSFP100 ports, 2SFP+ 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 5 speeds including 100GbE, 40GbE, 4x10GbE, 4x25GbE or 2x 50GbE with a wide choice of QSFP

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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.

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

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

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

The Arista 7260QX switches offer low latency from 550ns in cut-through mode, and a shared 16 MB packet buffer pool that is allocated dynamically to ports that are congested. Consistent features to the 7060CX and 7260CX combined with low power and high 40GbE density means 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 2 SFP+ ports that enhance the 40GbE and 100GbE capacity and allow direct 10GbE and 1GbE connections using a comprehensive range of transceivers and cables.

High Availability

The Arista 7260X and 7060X 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-swap fans
• Color coded PSU's 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
• Multi-chassis LAG for active/active L2 multi-pathing
• 128-way ECMP routing for load balancing and redundancy

Arista 7060CX 1RU Rear View: Rear to Front airflow (blue)

Arista 7060CX 1RU Rear View: Front to Rear airflow (red)

Arista 7260X 2RU Rear View: Rear to Front airflow (blue)
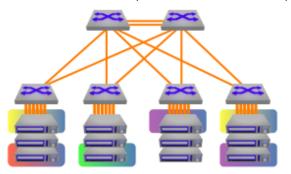
Dynamic Buffer Allocation

In cut-through mode, the Arista 7060X and 7260X switches forward packets with a latency of 450 nanoseconds to 550 nanoseconds.
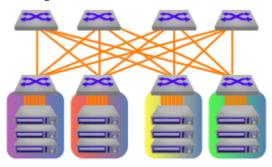Upon congestion, the packets are buffered in shared packet memory that has a total size of 16 MBytes per port group. Unlike other architectures that have fixed per-port packet memory, the 7060X and 7260X Series use Dynamic Buffer Allocation (DBA) to allocate packet memory to a single port for lossless forwarding.
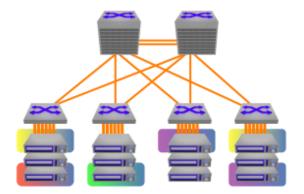
Scaling Data Center Performance

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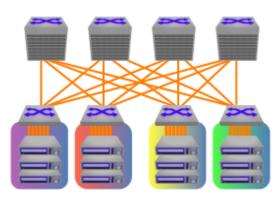
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7000 series of fixed and modular switches it allows networks to scale to over 27,000 10G/25G servers in low-latency two-tier networks that provide predictable and consistent application performance. The flexibility of the L2 and L3 multi-path design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

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

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 for flexible scale-out designs:
• 128-way ECMP and 64-way MLAG to provide scalable designs and balance traffic evenly across large scale 2 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
• 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

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 coupled 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. A new architecture for the most mission-critical location within the IT infrastructure that simplifies management and provisioning, speeds up service delivery, lowers costs and creates opportunities for competitive differentiation, while putting control and visibility back in the hands of the network and systems administrators.

Smart System Upgrade

Overview

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.

Enhanced Features for High Performance Networks
The Arista 7060X and 7260X deliver a suite of advanced traffic control and monitoring features to improve the agility of modern high performance environments, with solutions for data monitoring, and next-generation virtualization.

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 & 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 integration of non-VXLAN aware devices including servers, firewalls and load-balancers seamless and provide the ability to leverage VXLAN as a standards based L2 extension technology for non-MPLS environments.

Unified Forwarding Table
Cloud network scalability is directly impacted by the size of a switches 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 pre-defined configuration profiles available on the 7060X and 7260X ensures optimal resource allocation for all network topologies and network virtualization technologies.

Features and Benefits

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

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

Extensibility
- Linux Tools
    - Bash shell access and scripting
    - RPM support
    - Custom kernel modules

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- Jumbo Frames (9216 Bytes)
- IGMP v1/v2/v3 snooping
- Storm Control

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 (DirectFlow) *
- 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 & 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
- IEEE1588PTP (TransparentClock and Boundary Clock) *

Virtualization Support

- 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 [2]
- 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

Overview

- 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

- IPv4 / IPv6 Ingress & Egress ACLs using L2, L3, L4 fields
- MAC ACLs
- ACL Drop Logging
- ACL Counters
- 802.1X
- Control Plane Protection (CPP)
- DHCP Relay / Snooping
- MAC Security
- 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
- Audio Video Bridging (AVB) *

- 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
ACLs	8K
Egress ACLs	1K
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

[2] Supported only on 7060CX2-32S

* Not currently supported in EOS

Configuration

Ordering Information

Switches	Arista SKU	HPE SKU
Arista 7260X, 64x100GbE QSFP & 2xSFP+ Switch, Front-to-Rear Air, 2xAC, 2xC19-C20 Cords	DCS-7260CX-64-F	JH799A
Arista 7260X, 64x100GbE QSFP & 2xSFP+ Switch, Rear-to-Front Air, 2xAC, 2xC19-C20 Cords	DCS-7260CX-64-R	JH800A
Arista 7260X, 64x40GbE QSFP+ & 2xSFP+ Switch, Front-to-Rear Air, 2xAC, 2xC13-C14 Cords	DCS-7260QX-64-F	JH801A
Arista 7260X, 64x40GbE QSFP+ & 2xSFP+ Switch, Rear-to-Front Air, 2xAC, 2xC13-C14 Cords	DCS-7260QX-64-R	JH802A
Arista 7060X2, 32x100GbE QSFP & 2xSFP+ Switch, Front-to-Rear Air, 2xAC, 2xC13-C14 Cords	DCS-7060CX2-32S-F	JH976A
Arista 7060X2, 32x100GbE QSFP & 2xSFP+ Switch, Rear-to-Front air, 2xAC, 2xC13-C14 Cords	DCS-7060CX2-32S-R	JH977A
Arista 7060X, 32x100GbE QSFP & 2xSFP+ Switch, Front-to-Rear Air, 2xAC, 2xC13-C14 Cords	DCS-7060CX-32S-F	JH576A
Arista 7060X, 32x100GbE QSFP & 2xSFP+ Switch, Rear-to-Front Air, 2xAC, 2xC13-C14 Cords	DCS-7060CX-32S-R	JH577A
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

Optional Components		
Arista Enhanced L3 Software 10G Fix-2 License	LIC-FIX-2-E	JH606A
Arista Virtualization Software 10G Fix-2 License	LIC-FIX-2-V	JH609A
Arista Provisioning Software 10G Fix-2 License	LIC-FIX-2-Z	JH608A
Arista Enhanced L3 Software 10G Fix-3 LTU	LIC-FIX-3-E	JL409A
Arista Virtualization Software 10G Fix-3 LTU	LIC-FIX-3-V	JL414A
Arista Provisioning Software 10G Fix-3 LTU	LIC-FIX-3-Z	JL411A
Arista Enhanced L3 Software 10G Fix-4 LTU	LIC-FIX-4-E	JL410A
Arista Virtualization Software 10G Fix-4 LTU	LIC-FIX-4-V	JL415A
Arista Provisioning Software 10G Fix-4 LTU	LIC-FIX-4-Z	JL412A
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 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 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

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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	JH975A
Arista 7002 2RU Accessory Kit	KIT-7002	JH867A
Arista 7001 1RU Accessory Kit	KIT-7001	JH866A
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 A-Care 7060CX-32 NBD Software One Month Support	SVC-7060CX-32S-1M-NB	JH499A
Arista A-Care 7060CX-32 4H Software One Month Support	SVC-7060CX-32S-1M-4H	JH500A
Arista A-Care 7060CX-32 2H Software One Month Support	SVC-7060CX-32S-1M-2H	JH501A
Arista A-Care 7260CX-64 2H Software One Month Support LTU	SVC-7260CX-64-1M-2H	JH730A
Arista A-Care 7260CX-64 4H Software One Month Support LTU	SVC-7260CX-64-1M-4H	JH731A
Arista A-Care 7260CX-64 NBD Software One Month Support LTU	SVC-7260CX-64-1M-NB	JH732A
Arista A-Care 7260QX-64 2H Software One Month Support LTU	SVC-7260QX-64-1M-2H	JH733A
Arista A-Care 7260QX-64 4H Software One Month Support LTU	SVC-7260QX-64-1M-4H	JH734A
Arista A-Care 7260QX-64 NBD Software One Month Support LTU	SVC-7260QX-64-1M-NB	JH735A

Warranty, service, and support

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.
All technical, hardware, and software support for Arista products is provided directly by Arista and not HPE. Consult the Arista Customer Support page for contact information: arista.com/en/support/customer-support.

Services may be purchased from HPE or Arista to extend your support coverage and software upgrades. Support will be provided by Arista for these services. For details on Arista warranty and support, see: arista.com/assets/data/pdf/Warranty.pdf.

Learn more at arista.com

Technical Specifications

Technical Specifications

Switch Model	7060CX2-32S	7060CX-32S	7260CX-64	7260QX-64
Ports	32 x QSFP100 2x SFP+	32 x QSFP100 2x SFP+	64x QSFP100 2x SFP+	64x QSFP+ 2x SFP+
Max 100GbE Ports	32	32	64	0
Max 40GbE Ports	32	32	64	64
Max 25GbE Ports	128 (4x25G)	128 (4x25G)	256 (4x25G)	2
Max 10GbE Ports	130 (32 4x10G & 2xSFP+)	-	-	-
Max 1GbE Ports	2	2	2	2
Throughput	6.4 Tbps	6.4 Tbps	12.8Tbps	5.12Tbps
Packets/Second	3.3 Bpps	3.3 Bpps	9.52 Bpps	3.3 Bpps
Latency	450ns	450ns	550 to 1500ns	550ns
CPU	Multi-Core x86	Multi-Core x86	Dual-Core i7 x86	Multi-Core x86
System Memory	8 Gigabytes	4 Gigabytes	8 Gigabytes	4 Gigabytes
Flash Storage Memory	4 Gigabytes	4 Gigabytes	4 Gigabytes	4 Gigabytes
Packet Buffer Memory	22MB (Dynamic Buffer Allocation)	16MB (Dynamic Buffer Allocation)	64MB (Dynamic Buffer Allocation)	16MB (Dynamic Buffer Allocation)

Technical Specifications

10/100/1000 Mgmt Ports	1	1	1	1
RS-232 Serial Ports	1 (RJ-45)	1 (RJ-45)	1 (RJ-45)	1 (RJ-45)
USB Ports	1	1	1	1
Hot-swap Power Supplies	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)
Reversible Airflow Option	Yes	Yes	Yes	Yes
Typical/Max Power Draw*	220W / 410W	220W / 410W	1672W / 2090W	315W / 800W
Size (WxHxD)	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 3.5 x 18 inches (48.3 x 8.8 x45.7 cm)	19 x 3.5 x 18 inches (48.3 x 8.8 x45.7 cm)
Weight	21lbs (9.5kg)	21lbs (9.5kg)	44.1lbs (20.0kg)	35.5 lbs (16.1kg)
Power Supplies	500W AC 500W DC	500W AC 500W DC	1900W AC 1900W DC	1100W AC 1100W DC
EOS Feature Licenses	LIC-FIX-2	-	-	-

* Typical power consumption measured at 25C ambient with 50% load
NOTE:
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	0.5m-5m QSFP+ to 4x SFP+ (see note 1)
40GBASE-CR4	0.5m to 5m QSFP+ to QSFP+

Technical Specifications

40GBASE-AOC	3m to 100m
40GBASE-UNIV	150m (OM3) /150m (OM4) /500m (SM)
40GBASE-SRBD	100m (OM3) /150m (OM4)
40GBASE-SR4	100m (OM3) /150m (OM4)
40GBASE-XSR4	300m (OM3) /400m (OM4
40GBASE-PLRL4	1km (1km 4x10G LR/LRL)
40GBASE-LRL4	1km
40GBASE-PLR4	10km (10km 4x10G LR/LRL)
40GBASE-LR4	10km
40GBASE-ER4	40km

Interface Type	QSFP100 ports
100GBASE-CR4	Yes (various lengths)
100GBASE-AOC	3m to 30m
100GBASE-SR4	70m OM3 / 100m OM4 Parallel MMF
100GBASE-LRL4	1km SM Duplex
100GBASE-LR4	10km SM Duplex
100GBASE-CWDM4	2km SM duplex
100GBASE-CR	1m to 3m lengths

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

Technical Specifications

Note 1. Not supported on 7260QX-64 QSFP+ ports

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, (0-3,000m)

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

Technical Specifications

Input Voltage	100-240AC	40-72V DC	100-240VAC	200-240AC	200-240AC	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	50/60Hz	DC	50/60Hz	50/60Hz	50/60Hz	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	7060CX-32S 7060CX2-32S	7060CX-32S 7060CX2-32S	7060CX-32S	7260QX-64	7260CX-64	7260CX-64 7260QX-64

Note 1. Not supported on 7260QX-64 QSFP+ ports
* Not currently supported in EOS

Summary of Changes

Date	Version History	Action	Description of Change
08-May-2017	From Version 1 to 2	Added	SKUs added: JH976A, JH977A
		Changed	Overview, Configuration and Technical Specifications updated
10-Mar-2017	Version 1	Created	Document creation.

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