The Arista 7050X3 Series 10/25/40/50/100G Data Center Switches

Overview

The Arista 7050X3 are members of the Arista 7050X series and key components of the Arista portfolio of data center switches. The adoption of high performance servers using virtualization and containers with increasingly higher bandwidth is accelerating the need for dense 25 and 100G Ethernet switching in both the leaf and spine tiers of modern networks. The Arista 7050X3 Series high performance flexible data center switches with a rich set of wire speed L2 and L3 features combine extensive automation with programmability, low latency and consistent features for software driven cloud networking.

The 7050X3 Series are available in a choice of configuration options. Combining high density and industry leading power efficiency with typical power consumption under 7W per 100GbE port the 7050CX3-32S and 7050CX3-32C are ideal for both high performance leaf or collapsed spine tiers with airflow choices for back to front, or front to back.

Featuring 48 ports of 25G SFP ports and a choice of 8 or 12 ports of 100G ports the 7050S3X-48YC8B, 7050S3X-48YC8C and 7050S3X-48YC12 enable high performance in a compact 1RU form factor. The 7050S3X-96YC8 system has 96 ports of 25G and 8 ports of 100G in 2U. The 7050S3X systems ensure seamless migration from 1/10G to 25G and enables high density 25G solutions without network oversubscription. The 7050TX3-48C8, 7050S3X-48C8 and 7050S3X-48C8C with 48 1/10G ports deliver consistent features and enhancements for Enterprise and carrier networks.

All models of the 7050X3 Series offer flexible forwarding tables with a Unified Forwarding Table, latency from as low as 800 ns and a fully shared packet buffer of up to 32MB for superior burst absorption. Comprehensive support for a wide range of interface speeds including 10G, 25G, 40G, 50G and 100G combined with Arista EOS ensures the 7050X3 delivers the flexibility and features for big data, cloud, virtualized and traditional network designs and accommodates the myriad different applications and east-west traffic patterns found in modern data centers.

Arista EOS

The Arista 7050X series runs 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.
Arista 7050SX3-48YC12:
48x 25G SFP and 12x 100G QSFP ports

Arista 7050CX3-32S and 7050CX3-32C:
32x 100G QSFP100 ports, 2 SFP+ ports

The Arista 7050X3 series come in 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 **7050CX3-32S** and the **7050CX3-32C** are 1RU systems with 32 100G QSFP100 ports offering wire speed throughput of up to 6.4 Tbps bi-directional. Each QSFP port supports a choice of 5 speeds with flexible configuration between 100GbE, 40GbE, 4x10GbE, 4x25GbE or 2x50GbE modes for up to 128 ports of 10GbE and 25GbE or 64 ports of 50GbE. All ports can operate in any supported mode without limitation, allowing easy migration from lower speeds and the flexibility for leaf or spine deployment.

The **7050SX3-48YC8** and the **7050SX3-48YC8C** are 1RU systems with 48 ports of 25G SFP and 8 ports of 100G QSFP100 with an overall throughput of 4 Tbps. The high density SFP ports can be configured to run either at 25G or a mix of 10G/1G speeds. The QSFP ports allow for 100GbE or 40GbE as high speed network uplinks, with a wide choice of transceivers and cables enabling a choice of combinations for both leaf and spine deployment. With low latency and no oversubscription, the switch is optimized for high performance server and storage deployments.

The Arista **7050SX3-48YC8C** and the **7050SX3-48YC8C** are 1RU systems with 48 ports of 25G SFP and 8x 100G QSFP100 with an overall throughput of 4 Tbps. The high density SFP ports can be configured to run either at 25G or a mix of 10G/1G speeds. The QSFP ports allow for 100GbE or 40GbE as high speed network uplinks, with a wide choice of transceivers and cables enabling a choice of combinations for both leaf and spine deployment. With low latency and no oversubscription, the switch is optimized for high performance server and storage deployments.

The **7050SX3-48YC12** is a 1RU system with 48 ports of 25GbE SFP and 12 ports of 100GbE QSFP100 with an overall throughput of 4.8 Tbps. The high density SFP ports can be configured in groups of 4 to run either at 25G or a mix of 10G/1G speeds. The QSFP ports allow for a choice of 5 speeds including 100GbE, 40GbE, 4x10GbE, 4x25GbE or 2x50GbE with a wide choice of transceivers and cables enabling a choice of combinations for both leaf and spine deployment. With low latency and no oversubscription, the switch is optimized for high performance server and storage deployments.

Arista 7050CX3-32S and 7050CX3-32C:
32x 100G QSFP100 ports, 2 SFP+ ports

Arista 7050SX3-48YC8 and 7050SX3-48YC8C:
48x 25G SFP and 8x 100G QSFP ports

Arista 7050SX3-48YC12:
48x 25G SFP and 12x 100G QSFP ports
The Arista 7050SX3-48C8, 7050SX3-48C8C and 7050TX3-48C8 are 1RU systems with 48 port of 10G and 8 ports of 100G with an overall throughput of 2.56 Tbps. The SX3 high density 10G ports can be configured for a mix of 10G/1G speeds to facilitate mixed connections and the TX3 RJ45 ports allows 1G, 2.5G, 5G, and 10G speeds. The QSFP100 ports allow 100GbE or 40GbE as network uplinks, with a rich choice of transceivers and cables for both leaf and spine deployment. With no oversubscription, the switch is optimized for high performance deployments with consistent features.

The Arista 7050SX3-96YC8 is a 2RU system with 96 ports of 25G and 8 ports of 100G with an overall throughput of 6.4 Tbps bi-directional. The high density SFP ports can be configured in groups of 4 to run either at 25G or a mix of 10G/1G speeds. The QSFP100 ports allow for a choice of 5 speeds including 100GbE, 40GbE, 4x10GbE, 4x25GbE or 2x 50GbE with a wide choice of transceivers and cables enabling a choice of combinations for both leaf and spine deployment. With low latency and no oversubscription, the switch is optimized for high density server environments with native 25G connections.

High Availability
The Arista 7050X3 series switches are 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)
- Multi-chassis LAG for active/active L2 multi-pathing
- 128-way ECMP routing for load balancing and redundancy
Dynamic Buffer Allocation

In cut-through mode, the Arista 7050X3 switches forward packets with a consistent low latency of 800 nanoseconds. Upon congestion, the packets are buffered in an intelligent fully shared packet memory that has a total size of 32MB for superior burst absorption. Unlike other architectures that have fixed per-port packet memory, the 7050X3 Series use dynamic thresholds to allocate packet memory based on traffic class, queue depth and quality of service policy ensuring a fair allocation to all ports of both lossy and lossless classes. Buffer utilization, occupancy and thresholds are all visible with Arista LANZ and can be exported to monitoring tools to identify hotspots and measure latency at the device and end to end.

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.

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 128-way without significant changes to the architecture. The Arista 7050X3 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
- Equal and Unequal Cost Multi-Pathing (UCMP) for flexible traffic balancing in large scale multi-tier topologies
- 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/50G/100G interfaces for multi-speed flexibility
- Support for standards based IEEE 25GbE for simple and cost effective migration from 10G and 40G to 25G and 100G
- 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
- Hitless speed changes from 10G to 100G to eliminate down-time when implementing speed changes

Unified Forwarding Table

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 7050X3 leverage a common Unified Forwarding Table (UFT) 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 profiles available on the 7050X3 ensures optimal resource allocation for all network topologies and network virtualization technologies.

AI Analyzer *

Traditional software-based traffic counters do not lend themselves to examine AI/ML traffic patterns, which exhibit unique ramp up behavior in very short intervals of time. The AI Analyzer is a hardware capability that enables the collection of ECMP member utilization data, aggregated over extremely short periods of time. This allows the Arista 7050X3 series to effectively analyze the traffic patterns, with a time interval as granular as 100 microseconds. The results of such an analysis can then be applied to fine tune dynamic load balancing workloads uniformly across the ECMP member links, which is a key requirement for AI/ML applications.

CloudVision

CloudVision is a network-wide approach for workload orchestration and workflow automation as a turnkey solution for Cloud Networking. CloudVision extends the EOS publish subscribe architectural approach across the network for state, topology, monitoring and visibility. This enables enterprises to move to cloud-class automation without needing any significant internal development.

* Not currently supported in EOS
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.

Smart System Upgrade

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.

Virtualization

Supporting next-generation virtualized data centers requires tight integration with orchestration tools and encapsulation technologies such as VXLAN. The 7050X3 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.

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. Advanced analytics are provided with features like buffer monitoring with configurable thresholds, in-band path and latency monitoring, event driven trace packets and granular time stamping.

Precision Timing (IEEE 1588)

Arista’s hardware derived Precision Time Protocol solution provides a robust mechanism for accurate in-band time distribution in high performance environments. The system clock can be synchronized using IEEE 1588 PTP.

Dynamic Load Balancing *

Traditional hash-based load balancing algorithms can result in link and path allocations with short term imbalances and under utilization of aggregate capacity. This is aggravated further in modern data centers with high traffic loads, varied flow duration, mixed packet sizes and micro-bursts. DLB enhancements to load balancing consider the real time load on links and dynamically assign new and existing flows to the best link. When imbalances are detected active flows and new flows are allocated to the least loaded paths to reduce the possibility of drops. Supported with any combination of ECMP and LAG/MLAG, DLB delivers higher throughout with enhanced load distribution while offering the user an open implementation.

Flexible Pipeline

The Arista 7050X3 series support an enhanced forwarding architecture with smarter and flexible packet pipeline which allows the addition of new capabilities to the data plane of the packet processor through software upgrades without changes or replacement of the underlying hardware. This allows for rapid testing and deployment avoiding costly replacements or major upgrades. Together with flexible resource allocation provided by the Unified Forwarding Tables (UFT), the programmable pipeline increases the flexibility of the platform allowing for broad use cases and ensures continued investment protection.

Network Address Translation

The Arista 7050X3 series support static and dynamic address translation at line rate and introducing no additional latency when the mappings are set up. High performance environments can take advantage of NAT to resolve addressing challenges such as masking internal addresses and translating overlapping ranges resulting in simpler network topologies without performance penalty.

* Not currently supported in EOS
Supported Features in EOS


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
  - 128 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 Pause Flow Control Tx
- 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
- EVPN
- BFD
- Route Maps
- IGMP v2/v3
- PIM-SM / PIM-SSM
- Anycast RP (RFC 4610)
- VRRP
- Virtual ARP (VARP)
- Policy Based Routing (PBR)
- uRPF
- Network Address Translation
  - Source/Destination NAT
  - Source/Group Multicast NAT

Advanced Monitoring and Provisioning

- Zero Touch Provisioning (ZTP)
- Smart System Upgrade
- AI Analyzer*
- Latency Analyzer and Microburst Detection (LANZ)
  - Configurable Congestion Notification (CLI, Syslog)
  - 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

Virtualization Support

- VXLAN Routing and Bridging
- VM Tracer VMware Integration

Security Features

- IPv4 / IPv6 Ingress & Egress ACLs using L2, L3, L4 fields
- MAC ACLs
- ACL Drop Logging and ACL Counters
- Control Plane Protection (CPP)
- Service ACLs
- 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)
- QoS interface trust (COS / DSCP)
- Strict priority queuing
- Weighted Round Robin (WRR) Scheduling
- 802.1Qbb Per-Priority Flow Control (PFC)
- 802.1Qaz Data Center Bridging Exchange (DCBX)
- ACL based DSCP Marking
- ACL based Policing
- Per port MMU Configuration
- Policing/Shaping
- Rate limiting

* Not currently supported in EOS
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
- OpenConfig

Features

- 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
  - OpenConfig

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
- 802.3by 25 Gigabit Ethernet
- 802.3ba 40 and 100 Gigabit Ethernet
- RFC 2460 Internet Protocol, Version 6 (IPv6) Specification
- RFC 4861 Neighbor Discovery for IP Version 6 (IPv6)
- RFC 4443 Internet Control Message Protocol (ICMPv6) for the Internet Protocol Version 6 (IPv6) Specification

SNMP MIBs

- RFC 3635 EtherLike-MIB
- RFC 3418 SNMIPv2-MIB
- RFC 2863 IF-MIB
- RFC 2864 IF-INVERTED-STACK-MIB
- RFC 4292 IF-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

<table>
<thead>
<tr>
<th>Table Types</th>
<th>STP Instances</th>
<th>IGMP Groups</th>
<th>ACLs</th>
<th>Egress ACLs</th>
<th>ECMP</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>64 (MST)/510 (RPVST+)</td>
<td>288K max, with 16K unique groups</td>
<td>2K</td>
<td>2K</td>
<td>128-way, 1K groups</td>
</tr>
</tbody>
</table>

UFT Mode - 2 is default

<table>
<thead>
<tr>
<th>UFT Mode</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4 (ALPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shared</td>
<td>28K</td>
<td>224K</td>
<td>160K</td>
<td>96K</td>
<td>32K</td>
</tr>
<tr>
<td>Shared</td>
<td>16K</td>
<td>80K</td>
<td>144K</td>
<td>168K</td>
<td>16K</td>
</tr>
<tr>
<td>Shared</td>
<td>8K</td>
<td>40K</td>
<td>72K</td>
<td>104K</td>
<td>8K</td>
</tr>
<tr>
<td>Shared</td>
<td>8K</td>
<td>40K</td>
<td>72K</td>
<td>104K</td>
<td>8K</td>
</tr>
</tbody>
</table>

LPM Table Mode

<table>
<thead>
<tr>
<th>LPM Table Mode</th>
<th>ALPM</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. IPv4 LPM Routes</td>
<td>360K</td>
<td>32K</td>
<td>32K</td>
<td>32K</td>
<td>32K</td>
</tr>
<tr>
<td>Max. IPv4 LPM Routes - Unicast (prefix length &lt;= 64)</td>
<td>0-192K</td>
<td>12K</td>
<td>8K</td>
<td>4K</td>
<td>-</td>
</tr>
<tr>
<td>Max. IPv6 LPM Routes - Unicast (any prefix length)</td>
<td>2-40K</td>
<td>2K</td>
<td>4K</td>
<td>6K</td>
<td>8K</td>
</tr>
</tbody>
</table>

* Not currently supported in EOS
## Specifications

<table>
<thead>
<tr>
<th>Switch Model</th>
<th>7050CX3-32S</th>
<th>7050CX3-32C</th>
<th>7050SX3-48C8</th>
<th>7050SX3-48C8C</th>
<th>7050TX3-48C8</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ports</strong></td>
<td>32x QSFP100</td>
<td>32x QSFP100</td>
<td>48x SFP+ 8x QSFP100</td>
<td>48x SFP+ 8x QSFP100</td>
<td>48x 1/2.5/5/10G-T 8x QSFP100</td>
</tr>
<tr>
<td>Max 100GbE Ports</td>
<td>32</td>
<td>32</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Max 50GbE Ports</td>
<td>64</td>
<td>64</td>
<td>16</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>Max 40GbE Ports</td>
<td>32</td>
<td>32</td>
<td>8</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Max 25GbE Ports</td>
<td>128</td>
<td>128</td>
<td>16</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>Max 10GbE Ports</td>
<td>129</td>
<td>129</td>
<td>64</td>
<td>64</td>
<td>64</td>
</tr>
<tr>
<td>Max 1GbE Ports</td>
<td>2</td>
<td>2</td>
<td>48</td>
<td>48</td>
<td>48</td>
</tr>
<tr>
<td>Max Total Interfaces</td>
<td>129</td>
<td>129</td>
<td>64</td>
<td>64</td>
<td>64</td>
</tr>
<tr>
<td>Throughput</td>
<td>3.2 (6.4) Tbps</td>
<td>3.2 (6.4) Tbps</td>
<td>1.28 (2.56) Tbps</td>
<td>1.28 (2.56) Tbps</td>
<td>1.28 (2.56) Tbps</td>
</tr>
<tr>
<td>Packets/Second</td>
<td>2 Bpps</td>
<td>2 Bpps</td>
<td>1 Bpps</td>
<td>1 Bpps</td>
<td>1 Bpps</td>
</tr>
<tr>
<td>Latency</td>
<td>800 ns</td>
<td>800 ns</td>
<td>800 ns</td>
<td>800 ns</td>
<td>3 usec</td>
</tr>
<tr>
<td><strong>CPU</strong></td>
<td>Quad-Core x86</td>
<td>Quad-Core x86</td>
<td>Quad-Core x86</td>
<td>Quad-Core x86</td>
<td>Quad-Core x86</td>
</tr>
<tr>
<td>System Memory</td>
<td>8 GB (16 GB optional)</td>
<td>16 GB</td>
<td>8 GB</td>
<td>16 GB</td>
<td>8 GB</td>
</tr>
<tr>
<td>Flash Storage</td>
<td>8 GB (32 GB optional)</td>
<td>32 GB</td>
<td>8 GB</td>
<td>32 GB</td>
<td>8 GB</td>
</tr>
<tr>
<td>Packet Buffer Mem</td>
<td>32 MB (Dynamic Buffer Allocation)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mgmt Ports</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RS-232 Serial Ports</td>
<td>1 (RJ-45)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>USB Ports</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hot-swap Power</td>
<td>2 (1+1 redundant)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hot-swappable Fans</td>
<td>4 (N+1 redundant)</td>
<td>2 (1+1 redundant)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reversible Airflow</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Rack Units</strong></td>
<td>1RU</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Size (WxHxD)</strong></td>
<td>19 x 1.75 x 16 in (48.3 x 4.4 x 40.64 cm)</td>
<td>19 x 1.75 x 18.4 in (48.3 x 4.4 x 46.8 cm)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>20 lbs (9.1kgs)</td>
<td>21 lbs (9.45kgs)</td>
<td>21 lbs (9.45kgs)</td>
<td>21 lbs (9.45kgs)</td>
<td>20.6 lbs (9.36kgs)</td>
</tr>
<tr>
<td>Fan Tray</td>
<td>FAN-7000H-F/R</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EOS Feature Licenses</td>
<td>LIC-FIX-2</td>
<td>LIC-FIX-2</td>
<td>LIC-FIX-1</td>
<td>LIC-FIX-1</td>
<td>LIC-FIX-2</td>
</tr>
<tr>
<td>Minimum EOS</td>
<td>4.20.5</td>
<td>TBD</td>
<td>4.24.0</td>
<td>TBD</td>
<td>4.24.0</td>
</tr>
</tbody>
</table>

1. Maximum port numbers are uni-dimensional, may require the use of break-outs and are subject to transceiver/cable capabilities.  
2. Where supported by EOS, each system supports a maximum number of interfaces. Certain configurations may impose restrictions on which physical ports can be used.  
3. Typical power consumption measured at 25C ambient with 50% load on all ports.
## Specifications

<table>
<thead>
<tr>
<th>Switch Model</th>
<th>7050SX3-96YC8</th>
<th>7050SX3-48YC12</th>
<th>7050SX3-48YC8</th>
<th>7050SX3-48YC8C</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Ports</strong></td>
<td>96x SFP25</td>
<td>48x SFP25</td>
<td>48x SFP25</td>
<td>48x SFP25</td>
</tr>
<tr>
<td></td>
<td>8x QSFP100</td>
<td>12x QSFP100</td>
<td>8x QSFP100</td>
<td>8x QSFP100</td>
</tr>
<tr>
<td></td>
<td>2 SFP+</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max 100GbE Ports</td>
<td>8</td>
<td>12</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Max 50GbE Ports</td>
<td>16</td>
<td>24</td>
<td>16</td>
<td>16</td>
</tr>
<tr>
<td>Max 40GbE Ports</td>
<td>8</td>
<td>12</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Max 25GbE Ports</td>
<td>128</td>
<td>96</td>
<td>64</td>
<td>64</td>
</tr>
<tr>
<td>Max 10GbE Ports</td>
<td>129</td>
<td>96</td>
<td>64</td>
<td>64</td>
</tr>
<tr>
<td>Max 1GbE Ports</td>
<td>129</td>
<td>48</td>
<td>48</td>
<td>48</td>
</tr>
<tr>
<td>Max Total Interfaces</td>
<td>129</td>
<td>96</td>
<td>64</td>
<td>64</td>
</tr>
<tr>
<td><strong>Throughput</strong></td>
<td>3.2 (6.4) Tbps</td>
<td>2.4 (4.8) Tbps</td>
<td>2 (4) Tbps</td>
<td>2 (4) Tbps</td>
</tr>
<tr>
<td><strong>Packets/Second</strong></td>
<td>2 Bpps</td>
<td>2 Bpps</td>
<td>1 Bpps</td>
<td>1 Bpps</td>
</tr>
<tr>
<td><strong>Latency</strong></td>
<td>800 ns</td>
<td>800 ns</td>
<td>800 ns</td>
<td>800 ns</td>
</tr>
<tr>
<td><strong>CPU</strong></td>
<td>Quad-Core x86</td>
<td>Quad-Core x86</td>
<td>Quad-Core x86</td>
<td>Quad-Core x86</td>
</tr>
<tr>
<td><strong>System Memory</strong></td>
<td>8 GB</td>
<td>8 GB</td>
<td>8 GB</td>
<td>16 GB</td>
</tr>
<tr>
<td><strong>Flash Storage</strong></td>
<td>8 GB</td>
<td>8 GB</td>
<td>8 GB</td>
<td>32 GB</td>
</tr>
<tr>
<td><strong>Packet Buffer Mem</strong></td>
<td>32 MB (Dynamic Buffer Allocation)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mgmt Ports</strong></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>RS-232 Serial Ports</strong></td>
<td>1 (RJ-45)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>USB Ports</strong></td>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Hot-swappable Fans</strong></td>
<td>4 (N+1 redundant)</td>
<td>2 (1+1 redundant)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Reversible Airflow</strong></td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Typical/Max Power</strong></td>
<td>218W / 453W</td>
<td>170W / 325W</td>
<td>124W / 301W</td>
<td>119W / 290W</td>
</tr>
<tr>
<td><strong>Rack Units</strong></td>
<td>2RU</td>
<td></td>
<td>1RU</td>
<td></td>
</tr>
<tr>
<td><strong>Size (WxHxD)</strong></td>
<td>19 x 3.46 x 19.8 in (48.3 x 8.8 x 50.2 cm)</td>
<td>19 x 1.75 x 17.5 in (48.3 x 4.4 x 44.6 cm)</td>
<td>19 x 1.75 x 18.4 in (48.3 x 4.4 x 46.8 cm)</td>
<td></td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>43lbs (19.5kgs)</td>
<td>20.3 lbs (9.22kgs)</td>
<td>21 lbs (9.45kgs)</td>
<td>21 lbs (9.45kgs)</td>
</tr>
<tr>
<td><strong>Fan Tray</strong></td>
<td>FAN-7012M-RED/BLUE</td>
<td>FAN-7000H-F</td>
<td>FAN-7011M-F/R</td>
<td></td>
</tr>
<tr>
<td><strong>Power Supplies</strong></td>
<td>PWR-1011-AC-RED/BLUE</td>
<td>PWR-500-AC-F</td>
<td>PWR-511-AC-RED/BLUE</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PWR-1011-DC-RED/BLUE</td>
<td>PWR-500-DC-F</td>
<td>PWR-511-DC-RED/BLUE</td>
<td></td>
</tr>
<tr>
<td><strong>EOS Feature Licenses</strong></td>
<td>LIC-FIX-2</td>
<td>LIC-FIX-2</td>
<td>LIC-FIX-2</td>
<td>LIC-FIX-2</td>
</tr>
<tr>
<td><strong>Minimum EOS</strong></td>
<td>4.24.1</td>
<td>4.20.5</td>
<td>4.21.6</td>
<td>4.30.1</td>
</tr>
</tbody>
</table>

1. Maximum port numbers are uni-dimensional, may require the use of break-outs and are subject to transceiver/cable capabilities
2. Where supported by EOS, each system supports a maximum number of interfaces. Certain configurations may impose restrictions on which physical ports can be used
3. Typical power consumption measured at 25C ambient with 50% load on all ports
## Power Supply Specifications

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input Voltage</strong></td>
<td>100-240V AC</td>
<td>-48 to -60 VDC</td>
<td>100-240V AC</td>
<td>-48 to -60 VDC</td>
<td>100-240V AC</td>
<td>-48 to -60 VDC</td>
<td>100-240V AC</td>
<td>-48 to -60 VDC</td>
</tr>
<tr>
<td><strong>Typical Input Current</strong></td>
<td>12.0 - 6.0A</td>
<td>23A Max (-48V)</td>
<td>6.3 - 2.3A</td>
<td>11.8A Max (-48V)</td>
<td>6.3 - 2.3A</td>
<td>6.3 - 2.3A</td>
<td>11.8A Max (-48V)</td>
<td></td>
</tr>
<tr>
<td><strong>Input Frequency</strong></td>
<td>50/60Hz</td>
<td>DC</td>
<td>50/60Hz</td>
<td>DC</td>
<td>50/60Hz</td>
<td>50/60Hz</td>
<td>DC</td>
<td></td>
</tr>
<tr>
<td><strong>Output Power</strong></td>
<td>1000W</td>
<td>1000W</td>
<td>500W</td>
<td>500W</td>
<td>500W</td>
<td>500W</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Input Connector</strong></td>
<td>IEC 320-C13</td>
<td>AWG #6 Max</td>
<td>IEC 320-C13</td>
<td>AWG #14 Max</td>
<td>IEC 320-C13</td>
<td>IEC 320-C13</td>
<td>AWG #14 Max</td>
<td></td>
</tr>
<tr>
<td><strong>Efficiency (Typical)</strong></td>
<td>93% Platinum</td>
<td>94%</td>
<td>93% Platinum</td>
<td>90%</td>
<td>93% Platinum</td>
<td>93% Platinum</td>
<td>92%</td>
<td></td>
</tr>
</tbody>
</table>

## Standards Compliance

**EMC**
- FCC Class A, ICES-003, EN 55032, EN IEC 61000-3-2:2019, EN 61000-3-3

**Immunity**
- EN 55035
- EN 300 386

**Safety**
- IEC 62368-1:2014

**Certifications**
- BSMI (Taiwan)
- CE (European Union)
- KCC (South Korea)
- NRTL (North America)
- RCM (Australia/New Zealand)
- UKCA (United Kingdom)
- VCCI (Japan)

**European Union Directives**
- 2014/35/EU Low Voltage Directive
- 2014/30/EU EMC Directive
- 2012/19/EU WEEE Directive
- 2011/65/EU RoHS Directive

**Further Information**
- [Product Certification Portal](#)

## 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)

---

1. Certain airflow configurations or the use of higher power or reduced temperature range optics may reduce maximum operating temperature.
2. 7050SX3-48YC8 max operating temperature should be reduced by 2°C per 1000m above sea level if installed in -F mode with > 4.5W QSFP or in -R mode with 2.5W SFP and/or 4.5W QSFP.
**Arista Optics and Cables**

The Arista 7050X3 Series supports a wide range of 10G to 100G pluggable optics and cables. For details about the different optical modules and the minimum EOS Software release required for each of the supported optical modules, visit: [https://www.arista.com/en/products/transceivers-cables](https://www.arista.com/en/products/transceivers-cables).

### Supported Optics and Cables

<table>
<thead>
<tr>
<th>40GbE</th>
<th>40G QSFP ports</th>
</tr>
</thead>
<tbody>
<tr>
<td>10GBASE-CR</td>
<td>0.5m-5m QSFP+ to 4x SFP+ (see note 1)</td>
</tr>
<tr>
<td>40GBASE-CR4</td>
<td>0.5m to 5m QSFP+ to QSFP+</td>
</tr>
<tr>
<td>40GBASE-AOC</td>
<td>3m to 100m</td>
</tr>
<tr>
<td>40GBASE-UNIV</td>
<td>150m (OM3) /150m (OM4) /500m (SM)</td>
</tr>
<tr>
<td>40GBASE-SRBD</td>
<td>100m (OM3) /150m (OM4)</td>
</tr>
<tr>
<td>40GBASE-SR4</td>
<td>100m (OM3) /150m (OM4)</td>
</tr>
<tr>
<td>40GBASE-XSR4</td>
<td>300m (OM3) /450m (OM4)</td>
</tr>
<tr>
<td>40GBASE-PLRL4</td>
<td>1km (1km 4x10G LR/LRL)</td>
</tr>
<tr>
<td>40GBASE-LRL4</td>
<td>1km</td>
</tr>
<tr>
<td>40GBASE-PLR4</td>
<td>10km (10km 4x10G LR/LRL)</td>
</tr>
<tr>
<td>40GBASE-LR4</td>
<td>10km</td>
</tr>
<tr>
<td>40GBASE-ER4</td>
<td>40km</td>
</tr>
</tbody>
</table>

### 10GbE | 100G QSFP ports |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>10GBASE-SR4</td>
<td>70m OM3 /100m OM4 Parallel MMF</td>
</tr>
<tr>
<td>10GBASE-XSR4</td>
<td>150m OM3 /300m OM4 Parallel MMF</td>
</tr>
<tr>
<td>10GBASE-SWDM4</td>
<td>70m OM3 /100m OM4 Duplex MMF</td>
</tr>
<tr>
<td>10GBASE-SRBD</td>
<td>70m OM3 /100m OM4 Duplex MMF</td>
</tr>
<tr>
<td>10GBASE-LR</td>
<td>10km SM Duplex</td>
</tr>
<tr>
<td>10GBASE-LR4/LRL4</td>
<td>10km/2km SM Duplex</td>
</tr>
<tr>
<td>10GBASE-XCWD4M4</td>
<td>10km SM Duplex</td>
</tr>
<tr>
<td>10GBASE-CWDM4</td>
<td>2km SM Duplex</td>
</tr>
<tr>
<td>10GBASE-FR</td>
<td>2km SM Duplex</td>
</tr>
<tr>
<td>10GBASE-DR</td>
<td>500m SM Duplex</td>
</tr>
<tr>
<td>10GBASE-PSM4</td>
<td>500m SM Parallel</td>
</tr>
<tr>
<td>10GBASE-AOC</td>
<td>1m to 30m</td>
</tr>
<tr>
<td>10GBASE-ERL4</td>
<td>40km SM Duplex</td>
</tr>
<tr>
<td>10GBASE-CR4</td>
<td>QSFP to QSFP: 1m to 5m</td>
</tr>
<tr>
<td>25GBASE-CR</td>
<td>QSFP to SFP25: 1m to 3m lengths</td>
</tr>
</tbody>
</table>

### 10GbE 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-T | Up to 30m over Cat6a |
| 10GBASE-DWDM | 80km |
| 1GbE SX/LX/TX * | Yes |

### 25GbE 25G SFP Ports |
| 25GBASE-CR | SFP25 to SFP25: 1m-5m |
| 25GBASE-AOC | SFP+ to SFP+: 3m-30m |
| 25GBASE-MR-XSR | 200m OM3 /300m OM4 Duplex MMF |
| 25GBASE-SR | 70m |
| 25GBASE-LR | 10km |
| 25GBASE-MR-LR | 10km |

* 100Mb is supported on 10G SFP+ ports on 7050CX3-32S and 7050SX3-96YC8 only.
<table>
<thead>
<tr>
<th>Product Number</th>
<th>Product Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>DCS-7050CX3-32S-F</td>
<td>Arista 7050X3, 32x100GbE QSFP100 &amp; 2xSFP+ switch, front-to-rear air, 2xAC</td>
</tr>
<tr>
<td>DCS-7050CX3-32S-R</td>
<td>Arista 7050X3, 32x100GbE QSFP100 &amp; 2xSFP+ switch, rear-to-front air, 2xAC</td>
</tr>
<tr>
<td>DCS-7050CX3-32S#</td>
<td>Arista 7050X3, 32x100GbE QSFP100 &amp; 2xSFP+ switch, configurable fans and psu</td>
</tr>
<tr>
<td>DCS-7050CX3-32C-F</td>
<td>Arista 7050X3, 32x100GbE QSFP100 &amp; 2xSFP+ switch, front-to-rear air, 2xAC</td>
</tr>
<tr>
<td>DCS-7050CX3-32C-R</td>
<td>Arista 7050X3, 32x100GbE QSFP100 &amp; 2xSFP+ switch, rear-to-front air, 2xAC</td>
</tr>
<tr>
<td>DCS-7050CX3-32C#</td>
<td>Arista 7050X3, 32x100GbE QSFP100 &amp; 2xSFP+ switch, configurable fans and psu</td>
</tr>
<tr>
<td>DCS-7050CX3-32S-D-F</td>
<td>Arista 7050X3, 32x100GbE QSFP100 &amp; 2xSFP+ switch, expn memory, SSD, front-to-rear air, 2xAC</td>
</tr>
<tr>
<td>DCS-7050CX3-32S-D-R</td>
<td>Arista 7050X3, 32x100GbE QSFP100 &amp; 2xSFP+ switch, expn memory, SSD, rear-to-front air, 2xAC</td>
</tr>
<tr>
<td>DCS-7050CX3-32S-D#</td>
<td>Arista 7050X3, 32x100GbE QSFP100 &amp; 2xSFP+ switch, expn memory, SSD, configurable fans and psu, 2xAC</td>
</tr>
<tr>
<td>DCS-7050SX3-96YC-F</td>
<td>Arista 7050X3, 96x25GbE SFP &amp; 8x100GbE QSFP100 switch, front-to-rear air, 2xAC</td>
</tr>
<tr>
<td>DCS-7050SX3-96YC-R</td>
<td>Arista 7050X3, 96x25GbE SFP &amp; 8x100GbE QSFP100 switch, rear-to-front air, 2xAC</td>
</tr>
<tr>
<td>DCS-7050SX3-96YC#</td>
<td>Arista 7050X3, 96x25GbE SFP &amp; 8x100GbE QSFP100 switch, configurable fans and psu</td>
</tr>
<tr>
<td>DCS-7050SX3-48YC12-F</td>
<td>Arista 7050X3, 48x25GbE SFP &amp; 12x100GbE QSFP100 switch, front-to-rear air, 2xAC</td>
</tr>
<tr>
<td>DCS-7050SX3-48YC12#</td>
<td>Arista 7050X3, 48x25GbE SFP &amp; 12x100GbE QSFP100 switch, configurable fans and psu</td>
</tr>
<tr>
<td>DCS-7050SX3-48YC8-F</td>
<td>Arista 7050X3, 48x25GbE SFP &amp; 8x100GbE QSFP100 switch, front-to-rear air, 2xAC</td>
</tr>
<tr>
<td>DCS-7050SX3-48YC8-R</td>
<td>Arista 7050X3, 48x25GbE SFP &amp; 8x100GbE QSFP100 switch, rear-to-front air, 2xAC</td>
</tr>
<tr>
<td>DCS-7050SX3-48YC8#</td>
<td>Arista 7050X3, 48x25GbE SFP &amp; 8x100GbE QSFP100 switch, configurable fans and psu</td>
</tr>
<tr>
<td>DCS-7050SX3-48C8-F</td>
<td>Arista 7050X3, 48x10GbE SFP &amp; 8x100GbE QSFP100 switch, front-to-rear air, 2xAC</td>
</tr>
<tr>
<td>DCS-7050SX3-48C8-R</td>
<td>Arista 7050X3, 48x10GbE SFP &amp; 8x100GbE QSFP100 switch, rear-to-front air, 2xAC</td>
</tr>
<tr>
<td>DCS-7050SX3-48C8#</td>
<td>Arista 7050X3, 48x10GbE SFP &amp; 8x100GbE QSFP100 switch, configurable fans and psu</td>
</tr>
<tr>
<td>LIC-FIX-2-E</td>
<td>Enhanced L3 License for Arista Group 2 Fixed switches, (BGP, OSPF, ISIS, PIM, NAT)</td>
</tr>
<tr>
<td>LIC-FIX-2-V</td>
<td>Virtualization license for Group 2 Arista Fixed switches (VMTracer and VXLAN)</td>
</tr>
<tr>
<td>LIC-FIX-2-V2</td>
<td>EOS Extensions, Security and Partner Integration license for Arista Group 2 Fixed switches</td>
</tr>
<tr>
<td>LIC-FIX-2-Z</td>
<td>Monitoring &amp; Automation license for Arista Group 2 Fixed switches (ZTP, LANZ, TapAgg, API, Time-stamping, OpenFlow)</td>
</tr>
<tr>
<td>LIC-FIX-2-FLX-L</td>
<td>FLX-Lite License for Arista Fixed switches Group 2 - Full Routing Up to 256K Routes, EVPN, VXLAN, SR, base MPLS LSR (no TE or link/node protection)</td>
</tr>
<tr>
<td>LIC-FIX-1-E</td>
<td>Enhanced L3 License for Arista Group 1 Fixed switches, (BGP, OSPF, ISIS, PIM, NAT)</td>
</tr>
<tr>
<td>LIC-FIX-1-V</td>
<td>Virtualization license for Group 2 Arista Fixed switches (VMTracer and VXLAN)</td>
</tr>
<tr>
<td>LIC-FIX-1-V2</td>
<td>EOS Extensions, Security and Partner Integration license for Arista Group 1 Fixed switches</td>
</tr>
<tr>
<td>LIC-FIX-1-Z</td>
<td>Monitoring &amp; Automation license for Arista Group 1 Fixed switches (ZTP, LANZ, TapAgg, API, Time-stamping, OpenFlow)</td>
</tr>
<tr>
<td>LIC-FIX-1-FLX-L</td>
<td>FLX-Lite License for Arista Fixed switches Group 1 - Full Routing Up to 256K Routes, EVPN, VXLAN, SR, base MPLS LSR (no TE or link/node protection)</td>
</tr>
</tbody>
</table>
### Optional Components and Spares

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FAN-7000H-F</td>
<td>Spare fan module for Arista 7050X3, 7060X, 7160 and 7280R Series 1RU switches (front-to-rear airflow)</td>
</tr>
<tr>
<td>FAN-7000H-R</td>
<td>Spare fan module for Arista 7050X3, 7060X, 7160 and 7280R Series 1RU switches (rear-to-front airflow)</td>
</tr>
<tr>
<td>FAN-7011M-F</td>
<td>Spare fan module for Arista 7000 Series 1RU Enhanced Fan Speed (front-to-rear airflow)</td>
</tr>
<tr>
<td>FAN-7011M-R</td>
<td>Spare fan module for Arista 7000 Series 1RU Enhanced Fan Speed (rear-to-front airflow)</td>
</tr>
<tr>
<td>FAN-7012M-RED</td>
<td>Spare fan module for Arista 7000 Series 2RU Enhanced Speed Fan (front-to-rear airflow)</td>
</tr>
<tr>
<td>FAN-7012M-BLUE</td>
<td>Spare fan module for Arista 7000 Series 2RU Enhanced Speed Fan (rear-to-front airflow)</td>
</tr>
<tr>
<td>PWR-500AC-F</td>
<td>Spare 500 Watt AC power supply for Arista 7050X, 7280 and 7060CX 1RU Switches (front-to-rear airflow)</td>
</tr>
<tr>
<td>PWR-500AC-R</td>
<td>Spare 500 Watt AC power supply for Arista 7050X, 7280 and 7060CX 1RU Switches (rear-to-front airflow)</td>
</tr>
<tr>
<td>PWR-501AC-F</td>
<td>Spare 500v2 Watt AC power supply for Arista 7050CX3-32S-D Switches (front-to-rear airflow)</td>
</tr>
<tr>
<td>PWR-501AC-R</td>
<td>Spare 500v2 Watt AC power supply for Arista 7050CX3-32S-D Switches (rear-to-front airflow)</td>
</tr>
<tr>
<td>PWR-500-DC-F</td>
<td>Spare 500 Watt DC power supply for Arista 7050X, 7280 and 7060CX 1RU Switches (front-to-rear airflow)</td>
</tr>
<tr>
<td>PWR-500-DC-R</td>
<td>Spare 500 Watt DC power supply for Arista 7050X, 7280 and 7060CX 1RU Switches (rear-to-front airflow)</td>
</tr>
<tr>
<td>PWR-511-AC-RED</td>
<td>Arista PSU, 1RU, AC, 500W, front-to-rear airflow, 73.5mm</td>
</tr>
<tr>
<td>PWR-511-AC-BLUE</td>
<td>Arista PSU, 1RU, AC, 500W, rear-to-front airflow, 73.5mm</td>
</tr>
<tr>
<td>PWR-511-DC-RED</td>
<td>Arista PSU, 1RU, DC, 500W, front-to-rear airflow, 73.5mm</td>
</tr>
<tr>
<td>PWR-511-DC-BLUE</td>
<td>Arista PSU, 1RU, DC, 500W, rear-to-front, 73.5mm</td>
</tr>
<tr>
<td>PWR-1011-AC-RED</td>
<td>Arista PSU, 1RU, AC/DC, 1000W, FORWARD, 73.5MM</td>
</tr>
<tr>
<td>PWR-1011-AC-BLUE</td>
<td>Arista PSU, 1RU, AC/DC, 1000W, REVERSE, 73.5MM</td>
</tr>
<tr>
<td>PWR-1011-DC-RED</td>
<td>Arista PSU, 1RU, DC/DC, 1000W, FORWARD, 73.5MM</td>
</tr>
<tr>
<td>PWR-1011-DC-BLUE</td>
<td>Arista PSU, 1RU, DC/DC, 1000W, REVERSE, 73.5MM</td>
</tr>
<tr>
<td>KIT-7001</td>
<td>Spare tool-free accessory kit (v2) for 1RU Arista switches. 2-post &amp; 4-post mount. (2x C13-C14, 2m)</td>
</tr>
<tr>
<td>KIT-2POST-1U-NT</td>
<td>Spare tool-free 2-post mount kit (v2) for 1RU Arista tool-free switches</td>
</tr>
<tr>
<td>KIT-2POST</td>
<td>Spare 2RU 2 post rack mount installation kit for Arista 7250 / 7050, 7260X and 7280R switches</td>
</tr>
<tr>
<td>KIT-4POST-NT</td>
<td>Spare tool-free 4-post mount kit (v2) for 1RU Arista tool-free switches</td>
</tr>
<tr>
<td>KIT-GND-EXT-1U</td>
<td>Arista 7000 Series 1RU Ground Extender Kit for NEBS compliance</td>
</tr>
<tr>
<td>KIT-GND-EXT-2U</td>
<td>Arista 7000 Series 2RU Ground Extender Kit for NEBS compliance</td>
</tr>
</tbody>
</table>
Warranty
The Arista 7050X3 series switches come with a one-year limited hardware warranty, which covers parts, repair, or replacement with a 10 business day turn-around after the unit is received.

Service and Support
Support services including next business day and 4-hour advance hardware replacement are available. For service depot locations, please see: http://www.arista.com/en/service

Headquarters
5453 Great America Parkway
Santa Clara, California 95054
408-547-5500

Support
support@arista.com
408-547-5502
866-476-0000

Sales
sales@arista.com
408-547-5501
866-497-0000

Copyright 2023 Arista Networks, Inc. The information contained herein is subject to change without notice. Arista, the Arista logo and EOS are trademarks of Arista Networks. Other product or service names may be trademarks or service marks of others.