## Product Highlights

### Performance

- 7010TX-48: 48 x 10/100/1000Mb RJ45 and 4 SFP25
- 7010TX-48C: 48 x 10/100/1000Mb RJ45 and 4 SFP25
- 7010TX-48-DC: 48 x 10/100/1000Mb RJ45 and 4 SFP25
- Up to 296 Gbps throughput
- Up to 220 Mpps forwarding
- Wire speed L2 and L3 forwarding

### Data Center Optimized Design

- Low power consumption at 0.3 W/Gbps
- 4 Ports of 10GbE and 25GbE support
- Fully shared packet buffer
- Redundant power
- Redundant & hot-swappable fans
- Field reversible fan module for rear-to-front or front-to-rear cooling
- 2-post and 4-post mounting
- Over 90% efficient power supplies
- AC or DC Power Options

### Cloud Networking Ready

- Up to 64K MAC entries
- Up to 32K IPv4/IPv6 Routes
- Up to 32K IPv4/IPv6 Host Routes
- 64-way ECMP / 64-port MLAG
- VXLAN and EVPN
- 4 MB integrated buffer
- PTP support

### Resilient Control Plane

- Multi-core x86 CPU
- Up to 8GB DRAM and 8GB Flash

### Advanced Provisioning & Monitoring

- CloudVision
- Zero Touch Provisioning (ZTP)
- Smart System Upgrade
- LANZ for microburst detection
- Self-configure and recover from USB
- sFlow (RFC3176)
- VM Tracer
- OpenStack
- Chef, Puppet, Ansible

### Arista Extensible Operating System

- Single binary image
- 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++ , GO, OpenConfig

## Overview

The Arista 7010X Series, including the 7010TX-48, 7010TX-48C and 7010TX-48-DC, offers a purpose built high performance and power efficient solution for high density data center deployments in a compact system. With 48 ports of 10/100/1000 and 4 integrated 1/10/25GbE SFP ports the switch delivers non-blocking forwarding of 296 Gbps combined with feature rich L2 and L3 switching. A natural extension to the 7050X3 Series the 7010X are members of the Arista portfolio of data center switches.

With broad support for QoS, security, automation and monitoring features, the 7010X provides an ideal solution to the challenges of implementing network policy consistently in 1G environments when combined with the Arista fixed configuration 7.050X3 Series 10G, 25G and 100 Gigabit switches. The 7010X delivers the flexibility to be deployed as the server edge of 1Gb Ethernet leaf and spine designs or as a high performance out of band (OOB) management network switch. Arista EOS advanced automation, monitoring and provisioning features are consistent to all Arista switches, eliminating the complexity associated with managing mixed environments with inconsistent feature sets. The 7010X Series flexible forwarding tables allow for a broad set of networking applications including VXLAN and EVPN.

The 7010TX-48, 7010TX-48C and 7010TX-48-DC all provide 48 10/100/1000Mb RJ45 ports and 4 SFP ports for 1G, 10G or 25G uplink connections with a full range of optics and cables. The Arista 7010X switches offer low latency under 3 microseconds and a packet buffer of 4MB that is fully shared and allocated dynamically to ports that are congested. Consuming just 0.3 W per gigabit, the 7010X are power efficient with choices of AC and DC power, power redundancy along with hot-swap fans supporting both forward and reverse airflow in a single system.

Combined with Arista EOS, the 7010X Series delivers the flexibility and features for scale out applications in cloud, virtualized and traditional network designs and accommodates the myriad different applications and east-west traffic patterns found in modern data centers.



*Arista 7010TX-48, 7010TX-48C and 7010TX-48-DC:*

## Arista EOS

The Arista 7010X 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, LANZ, VMTracer and Linux based tools can be run natively on the switch with the powerful x86 CPU subsystem.

## Model Overview

The Arista 7010X series comes in two different configurations. Each delivers high performance combined with feature rich layer 2 and layer 3 forwarding, suited for both top of rack leaf, campus access or out of band management switches.

The **7010TX-48** and **7010TX-48C** are a 1RU system with 48 10/100/1000Mb RJ45 Ethernet ports and 4 1/10/25G SFP based ports offering wire speed throughput of up to 296 Gbps bi-directional with integrated AC power and a hot swap fan for reversible airflow. The **7010TX-48-DC** is a DC powered 1RU system with the same port options, integrated DC power supplies and also offers reversible airflow, with a hot swap reversible direction fan module that allows both front-to-back or back-to-front just be reversing the fan module and re-inserting.

The RJ45 ports support a range of speeds, including both half duplex 10Mb and full duplex, together with 100Mb and 1000Mb to enable the widest range of end system connectivity at speeds from 10Mb up to 1G.

Each of the four SFP ports supports a choice of speeds with flexible configuration between 1GbE, 10GbE, or 25GbE. All ports can operate in any supported mode without limitation, allowing easy migration from lower speeds and the flexibility for deployment over existing fiber infrastructure.



*Arista 7010TX-48 and 7010TX-48: 48 port 10/100/1000 and 4 port 10/25GbE Switch*



*Arista 7010TX-48-DC: 48 port 10/100/1000 and 4 port 10/25GbE*

## High Availability

The Arista 7010X series switches are designed for high availability from both a software and hardware perspective. Key high availability features include:

• 1+1 Redundant internal power supplies
• Redundant and reversible dual inline fan module
• Color coded fan module to indicate airflow direction
• Live software patching
• Self healing software with Stateful Fault Repair (SFR)
• Smart System Upgrade (SSU)
• Multi-chassis LAG for active/active L2 multi-pathing
• 64-way ECMP routing for load balancing and redundancy
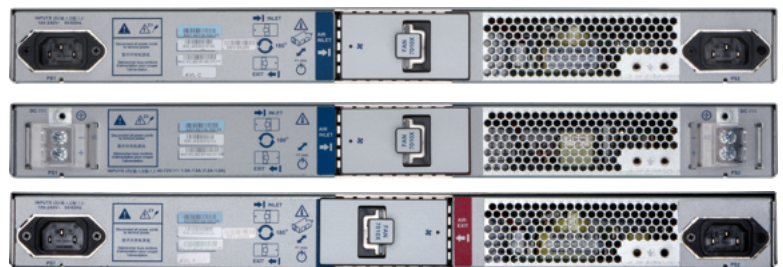


*Arista 7010TX Rear View - reversible airflow, Rear-to-front AC (top) & DC (middle), 7010TX AC front-to rear (bottom)*

## Scaling Data Center Performance

The Arista 7010X series delivers integrated line rate switching at both layer 2 and layer 3, with support for VXLAN in hardware to enable dramatically faster and simpler network designs for data centers that lowers the network capital and operational expenses. When used in conjunction with the Arista 7050X3 series fixed and 7300X3 series modular switches for spine tiers it allows networks to scale to 50,000 1G servers in a high performance and 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 maximum cross-sectional bandwidth eliminating spanning tree protocol, increasing flexibility, scalability and providing network wide virtualization. Arista EOS advanced features provide control and visibility with a single point of management for workload orchestration and workflow automation.

## Out of Band Networks

The 7010X provides for the consistent application of access controls, network security features, virtualization and remote monitoring features to protect access to both dedicated management interfaces and restrict access to authorized users of out-of-band networks. Intelligent Platform Management Interfaces (IPMI) on servers provide a standard interface for complete system management including startup, management, maintenance and shutdown over standard Ethernet networks. Access to the IPMI ports allows for privileged access and full control of the server. The Arista 7010X with EOS provides rich features that are applied to both the management networks and the production data center networks consistently across the range of Arista 7000 Series switches and routers.

## Dynamic Buffer Allocation

The Arista 7010X switches forward packets with a consistent low latency of under 3 microseconds. Upon congestion, the packets are buffered in an intelligent fully shared packet memory that has a total size of 4MB for burst absorption. Unlike other architectures that have fixed per-port packet memory, the 7010X 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.

## 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 7010X Series include enhancements for flexible scale-out designs:
- 64-way ECMP and 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
- Comprehensive L2 and L3 forwarding table resources for more design choice
- Wide choice of dense 1G/10G/25G interfaces for multi-speed flexibility
- Support for standards based IEEE 25GbE for simple and cost effective migration from 10G to 25G
- 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 to eliminate down-time when implementing speed changes on any ports.
- PTP support for for advanced visibility and monitoring.

## 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

The foundation for Arista's Network Virtualization solutions is VXLAN, an open IETF specification designed to standardize an overlay encapsulation protocol. Arista solutions range from OVSDB and Openstack integration to BGP EVPN in conjunction with EOS CloudVision®, a platform for network-wide workload orchestration and workflow automation. The 7010X  builds on the wire-speed gateway with EVPN/VXLAN for layer-2 and layer-3 stretch within data centers and make integration of non-VXLAN aware devices including servers, firewalls and load-balancers seamless.

## 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.

## Enhanced Features for High Performance Networks

The Arista 7010X series 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.

Automating the data center enables customers to dynamically provision computing resources in the most efficient manner while also meeting business needs by maintaining service level agreements (SLAs). Arista EOS automates complex IT workflows and simplifies network operations while reducing or even eliminating downtime. Arista EOS rich automation capabilities not only reduce the human error element in network operations but also enable IT operators to make the network work the way they want.

## 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.

## EOS Licensing

Arista 7010X Series with EOS and CloudVision, are designed to provide flexibility both in the choice of the appropriate feature functionality and in the software consumption model. The base feature set of Arista EOS comes bundled with the Arista products and systems. A set of feature licenses are available to enable additional functionality in advanced feature sets. The traditional licensing procurement model employs a perpetual term for the right to use the feature, set at a fixed price. For Arista CloudVision the functionality is available as a monthly subscription, for an agreed upon term.

**Routing:** General Routing functionality (BGP, OSPF, Multicast, etc) is available in the EOS Enhanced (E) license. The EOS Flex-route (FLX) Lite license expands that to include key features like BGP-EVPN for VXLAN.

**Automation/Visibility:** CloudVision is the most complete offering for advanced automation and visibility. Arista also offers subsets of CloudVision Lite, for entry-level GUI functionality. CloudVision is offered as an on-premises appliance (virtual or physical appliance) or as a SaaS-based software application that is fully managed by Arista. The EOS V2 license includes capability to run custom extensions natively or via containers in EOS. In addition, the V2 license gives customers an option of integrating with Arista's best of breed ecosystem for security, analytics, visibility, and other use-cases.

## Arista Optics and Cables

The Arista 7010X Series supports a wide range of 1G, 10G and 25G pluggable optics and cables in the SFP ports. 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

Multi-rate 10G/25G optics with extended reach for existing cable installations facilitate the easy migration from 10G to 25G with no changes to existing fiber cable plant.

\* Not currently supported in EOS

## Supported Features in EOS

https://www.arista.com/en/support/product-documentation/supported-features

## Layer 2 Features

- 802.1w Rapid Spanning Tree
- 802.1s Multiple Spanning Tree Protocol
- Rapid Per VLAN Spanning Tree (RPVST+)
- 4096 VLAN IDs, 1024 active VLANs
- Q-in-Q
- 802.3ad Link Aggregation/LACP
    - 8 ports/channel
    - 52 groups per system
- Multi-Chassis Link Aggregation (MLAG)
    - 16 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
- 64-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

## Advanced Monitoring and Provisioning

- Zero Touch Provisioning (ZTP)
- Smart System Upgrade
- 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
- Precision Time Protocol (PTP)

- 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)
    - Arista DirectFlow
    - eAPI
    - OpenStack Neutron Support

## 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
- 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 queueing
- 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

## 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
- 802.3i 10BASE-T Ethernet
- 802.3x full duplex on 10BASE-T, 100BASE-TX and 1000BASE-T
  802.3u 100BASE-TX
- 802.3ab 1000BASE-T
- 802.3z Gigabit Ethernet
- 802.3ae 10 Gigabit Ethernet
- 802.3by 25 Gigabit Ethernet
- RFC 2460 Internet Protocol, Version 6 (IPv6) Specification
- RFC 4861 Neighbor Discovery for IP Version 6 (IPv6)
- RFC 4862 IPv6 Stateless Address Auto-configuration
- 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

| | |
|---|---|
| **MAC Addresses** | 64K |
| **IPv4 Host Routes** | 32K |
| **IPv6 Host Routes** | 16K |
| **IPv4 LPM Routes** | 16K |
| **IPv6 LPM Routes - Unicast** (prefix length <= 64) | 4K |
| **IPv6 LPM Routes - Unicast** (any prefix length) | 2K |
| STP Instances | 64 (MST)/254 (RPVST+) |
| IGMP Groups | 4K, with 1K unique groups |
| Multicast Routes | 16K |
| Ingress ACLs | 4K |
| Egress ACLs | 1K |
| ECMP | 64-way, 256 groups |

Maximum values dependent on shared resources in some cases

**ARISTA**

| Specifications | 7010TX-48 | 7010TX-48C | 7010TX-48-DC |
|---|---|---|---|
| Ports | 48 x10/100/1000 Mb RJ-45<br>4 x 1/10/25GbE SFP+ | 48 x10/100/1000 Mb RJ-45<br>4 x 1/10/25GbE SFP+ | 48 x10/100/1000 Mb RJ-45<br>4 x 1/10/25GbE SFP+ |
| 10/100/1000BASE-T (RJ45) Ports | 48 | 48 | 48 |
| 1/10/25GbE SFP/SFP+ Ports | 4 | 4 | 4 |
| Max 10Mb Ports | 48 | 48 | 48 |
| Max 100Mb Ports | 48 | 48 | 48 |
| Max 1GbE Ports | 52 | 52 | 52 |
| Max 10GbE Ports | 4 | 4 | 4 |
| Max 25GbE Ports | 4 | 4 | 4 |
| Throughput | 296 Gbps | 296 Gbps | 296 Gbps |
| Packets/Second | 220 Mpps | 220 Mpps | 220 Mpps |
| Latency (25G SFP to RJ45) | From 2.8 microseconds | From 2.8 microseconds | From 2.8 microseconds |
| CPU | Dual-Core x86 | Dual-Core x86 | Dual-Core x86 |
| System Memory | 4 Gigabytes | 8 Gigabytes | 4 Gigabytes |
| Flash Storage Memory | 8 Gigabytes | 8 Gigabytes | 8 Gigabytes |
| Packet Buffer Memory | 4 MB | 4 MB | 4 MB |
| 100/1000 Mgmt Ports | 1 | 1 | 1 |
| RS-232 Serial Ports | 1 (RJ-45) | 1 (RJ-45) | 1 (RJ-45) |
| USB Ports | 1 | 1 | 1 |
| Power Supplies | AC 2 (1+1 redundant) | AC 2 (1+1 redundant) | DC 2 (1+1 redundant) |
| Hot-swappable Fan Module | Yes | Yes | Yes |
| Reversible Airflow | Yes | Yes | Yes |
| Typical /Max Power Draw * | 61W / 80W | 83W / 95W | 56W / 75W |
| Operating Noise Typical / Max | 46.5dBA at 27C / 56.5dBA Max | 46.5dBA at 27C / 56.5dBA Max | 46.5dBA at 27C / 56.5dBA Max |
| Size (WxHxD) including fans | 17.3 x 1.71 x 10.8" (43.9 x 4.35 x 27.6cm) | 17.3 x 1.71 x 10.8" (43.9 x 4.35 x 27.6cm) | 17.3 x 1.71 x 10.8" (43.9 x 4.35 x 27.6cm) |
| Weight | 8.6 lbs (3.9kg) | 8.6 lbs (3.9kg) | 8.6 lbs (3.9kg) |
| Fans | FAN-7010X | FAN-7010X | FAN-7010X |
| CloudVision License Group, EOS License Group (LIC-FIX) | G2 | G2 | G2 |
| Minimum EOS | 4.26.0 | 4.31.1 | 4.26.0 |
| Input Voltage | 100-240V AC | 100-240V AC | -40 to -72 VDC |
| Typical Input Current | 0.96-0.48A | 0.96-0.48A | 2.5 A Max (-48V) |
| Input Frequency | 50/60Hz | 50/60Hz | DC |
| Input Connector | IEC 60320 C14 | IEC 60320 C14 | AWG#14 Max |
| Efficiency (Typical) | 93% Platinum | 93% Platinum | 92% |

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

## Standards Compliance

| | |
|---|---|
| EMC | FCC Class A, ICES-003, EN 55032, EN IEC 61000-3-2:2019, EN 61000-3-3 |
| Immunity | EN 55035<br>EN 300 386 |
| Safety | EN 62368-1:2014 + A11:2017<br>IEC 62368-1:2014 |
| Certifications | BSMI (Taiwan)<br>CE (European Union)<br>KCC (South Korea)<br>NRTL (North America)<br>RCM (Australia/New Zealand)<br>UKCA (United Kingdom)<br>VCCI (Japan) |
| European Union Directives | 2014/35/EU Low Voltage Directive<br>2014/30/EU EMC Directive<br>2012/19/EU WEEE Directive<br>2011/65/EU RoHS Directive<br>2015/863/EU Commission Delegated Directive |

| | |
|---|---|
| Further Information | Product Certification Portal |

## Environmental Characteristics

| | |
|---|---|
| Operating Temperature [1] | 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) |

## Supported SFP Optics and Cables

| Interface Type | SFP+ ports |
|---|---|
| 10GBASE-CR | SFP+ to SFP+: 0.5m-5m |
| 10GBASE-AOC | SFP+ to SFP+: 3m-30m |
| 10GBASE-SRL | 100m (OM3) / 150m (OM4) |
| 10GBASE-SR | 300m (OM3) / 400m (OM4) |
| 10GBASE-LRL | 1km SMF |
| 10GBASE-LR | 10km SMF |
| 10GBASE-ER | 40km |
| 10GBASE-ZR | 80km |
| 10GBASE-T | Up to 30m over Cat6a |
| 10GBASE-DWDM | 80km |
| 100/1000BASE-T, 1GbE SX/LX | 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 |

1. Certain airflow configurations or the use of higher power or reduced temperature range optics may reduce maximum operating temperature.

## Ordering Information

| Product Number | Product Description |
| --- | --- |
| DCS-7010TX-48-F | Arista 7010TX, 48x 10/100/1000 RJ45 & 4 x 25G SFP (1/10/25GbE) switch, front to rear air, 2xAC |
| DCS-7010TX-48-R | Arista 7010TX, 48x 10/100/1000 RJ45 & 4 x 25G SFP (1/10/25GbE) switch, rear to front air, 2xAC |
| DCS-7010TX-48C-F | Arista 7010TX, 48x 10/100/1000 RJ45 & 4 x 25G SFP (1/10/25GbE) switch, front to rear air, 2xAC |
| DCS-7010TX-48C-R | Arista 7010TX, 48x 10/100/1000 RJ45 & 4 x 25G SFP (1/10/25GbE) switch, rear to front air, 2xAC |
| DCS-7010TX-48-DC-F | Arista 7010TX, 48x 10/100/1000 RJ45 & 4 x 25G SFP (1/10/25GbE) switch, front to rear air, 2xDC PSU |
| DCS-7010TX-48-DC-R | Arista 7010TX, 48x 10/100/1000 RJ45 & 4 x 25G SFP (1/10/25GbE) switch, rear to front air, 2xDC PSU |
| LIC-FIX-G2-V2 | EOS Segmentation and 3rd Party Integration Services license for Arista Fixed 1G/mG Group 2 Ethernet Switches |
| LIC-FIX-G2-E | Enhanced License for Arista Fixed 1G/mG Group 2 Ethernet Switches (OSPF, ISIS, BGP, PIM) |
| LIC-FIX-G2-FLX-L | FLX-Lite License for Arista Fixed 1G/mG Group 2 Ethernet Switches - Full Routing upto 1K routes, upto 10 VRFs, upto 1K ACLs, EVPN, VXLAN (includes E Features) |
| SS-CV-G2-SWITCH-1M | CloudVision Subscription Lic for 1-Month for 1 Switch. Arista 1G/mG. Group 2 Platforms. Delivered via download only. Includes E, FLX-L |
| SS-CV-LT-G2-SWITCH-1M | CloudVision Lite Subscription Lic for 1-Month for 1 Switch. Arista Fixed 1G/mG Group 2 Platforms. Delivered via download only. |
| SS-CVS-G2-SWITCH-1M | CloudVision as-a-Service Subscription Lic for 1-Month for 1 Switch. Arista Fixed 1G/mG Group 2 Platforms. Includes E, FLX-L. |
| SS-CVS-LT-G2-SWITCH-1M | CloudVision Lite  as-a-Service Subscription Lic for 1-Month for 1 Switch. Arista Fixed 1G/mG Group 2 Platforms. |
| SS-CVSC-G2-SWITCH-1M | CloudVision CUE as-a-Service Subscription Lic for 1-Month for 1 Switch. Arista Fixed 1G/mG Group 2 Platforms. |

## Spare Options

| | |
| --- | --- |
| KIT-7010 | Spare accessory kit for Arista 7010T switches. 2-post mount. (2x C13-C14, 2m) |
| FAN-7010X | Configurable fan module for Arista 7010 switches (reversible airflow) |
| KIT-7010-4POST | Spare 4-post rack mount kit for 7010 switches |
| KIT-7010-2POST-23 | Spare 2-post 23" rack mount kit for 7010T switches and 720 series switches |

## Warranty

The Arista 7010X switches comes 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

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