Product Highlights

System Scale and Performance

- 7020R4 Series 48 port SFP or RJ45 with 100G uplinks
- Up to 2 Tbps / 1 Bpps throughput
- Synchronous Ethernet and IEEE 1588
- MACsec, IPsec and VXLANsec encryption

Cloud Grade Routing

- Secure Internet Peering
- Carrier Edge VPN Services
- Next Generation EVPN Services for 5G/ MEC, CIN, & Metro
- Carrier Core transport (LDP, RSVP-TE, SR-TE) and HA with FRR and TI-LFA
- Next Generation timing (PTP and SyncE)
- Open programmable APIs (JSON-RPC, NETCONF) for provisioning, telemetry, path selection/topology discovery

Data Center Optimized Design

- Deep packet buffer up to 4GB
- Virtual Output Queues per port to eliminate head of line blocking
- Over 93% efficient power supplies
- Redundant & hot-swap power and fans
- Designed for NEBS

Virtualization and Provisioning

- CloudVision
- EVPN-VXLAN for next generation DC
- LANZ for microburst detection
- Zero Touch Provisioning (ZTP)
- Accelerated sFlow (RFC3176)

Resilient Control Plane

- High Performance four-core x86 CPU
- Up to 32GB DRAM
- Up to 120GB SSD storage

Arista Extensible Operating System

- Single 64-bit binary image
- Fine-grained truly modular network OS
- Stateful Fault Containment & Repair
- Full access to Linux shell and tools
- Extensible platform - bash, python, C++

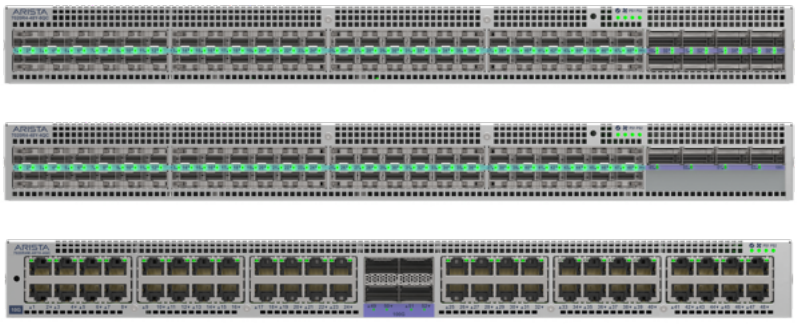
Overview

The Arista 7020R4 Series is a portfolio of systems purpose-built to meet the needs of high performance edge applications, for data center leaf, service provider access and high end desktop applications such as broadcast media and advanced research.

As part of the R4 family, 7020R4 Series platforms share a common forwarding architecture with dynamic deep buffers for deterministic, lossless forwarding performance, scalable resources and rich functionality with Arista EOS.

Available with a choice of 1G/10G/25G SFP or 1G/10G RJ45 ports, the 7020R4 Series enables highly scalable and secure network designs based on open networking standards including MPLS, Segment Routing and EVPN-VXLAN, while adding advanced capabilities including precision timing, FlexRoute™, Accelerated sFlow and Arista TunnelSec™ wire-speed strong encryption at layer 2 and layer 3.

The 7020R4 Series are ideal platforms for demanding lower speed workloads and enable flexible expansion, upgrade or simplification of existing infrastructure.



Arista 7020R4 Series

Arista EOS

The Arista 7020R4 series 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.

Arista's 64-bit EOS is purpose built for high performance, large scale workloads and embeds advanced monitoring, telemetry and automation capabilities. With a powerful x86 CPU subsystem and full access to Linux, a wealth of standard tools can also be run natively on the switch for simple integration into automation workflows.

Software Defined Cloud Networks

Arista Software Defined 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.

The Four Pillars of Arista's Software Defined Cloud Networking:

Universal Cloud Network

- Scalable standards-based MLAG at Layer 2, ECMP for Layer 3 and EVPN for network virtualization flexibility
- Non blocking leaf-spine architecture for 10K-500K hosts

Cloud Control

- Standards based EOS with AEM, ZTP/ZTR, LANZ and DANZ
- Automated Monitoring for visibility and telemetry

Network Wide Virtualization

- Multi-vendor API Support with eAPI
- Support for VMWare and NSX with VXLAN and VMTracer
- Support for Openstack OVSDB

Network Applications and Automated Management

- Single point of network-wide state with Arista CloudVision
- Networked applications for workload mobility, smart systems rollback and upgrades and workflow telemetry
- Open Partner integration

Scaling High Performance Data Centers

The Arista 7020R4 Series deliver non-blocking switching capacity that enables dramatically faster and simpler network designs for data centers and lowers both capital and operational expenses. Arista's wide range of systems, with a single consistent EOS, allows for flexible, right-sized product choice for all tiers of the network with a strong focus on open standards and interoperability.

The 7020R4 family provides comprehensive support for all common data center architectures, including layer 2 MLAG, layer 3 ECMP and EVPN-VXLAN overlay networking. Leaf-spine topologies provide the most efficient foundation for modern high performance applications, scalable to hundreds of thousands of hosts, while providing predictable, non-blocking, low latency performance. Arista's Multi-Chassis Link Aggregation (MLAG) technology supports active/active L2 network topologies, while layer 3 Equal Cost Multi-Path (ECMP) designs enable construction of very high radix topologies for large scale deployment. Both designs support EVPN-VXLAN overlay networks for additional segmentation and can integrate with standards-based overlay controller solutions.

The flexibility of the L2 and L3 multi-path design options combined with support for open standards provides maximum flexibility, scalability and network wide virtualization that scales to hundreds of thousands of hosts in a single two-tier design. The Arista 7020R4 Series FlexRoute engine provides Internet scale routing to support deployment as an Internet border/peering router, enterprise CDN backbone or data center interconnect (DCI). Arista FlexRoute along with EOS NetDB enables innovation not natively available in merchant chipsets. Arista EOS provides operational savings through visibility, automation and improved network operations.

Cloud Grade Routing

The 7020R4 series are key components of Arista's portfolio of Cloud Grade Routing platforms that encompasses a wide choice of fixed and modular systems. Combining Arista EOS's proven and feature rich Service Provider functionality, telemetry and open programmability with industry leading scale, density and power efficiency, the R4 series systems are designed for versatile deployment in a wide variety of open networking environments and end-to-end solutions.

Next generation multi-service environments require flexibility, security and open programmability to leverage the power efficiency and proven scale of cloud networks. The R4 Series routing solutions include large scale layer 2, layer 3 and EVPN based telco and cloud data center designs, low latency MEC overlay fabrics, data center interconnect (DCI) with long haul optics, provider edge networks with scaleable L2 and L3 VPN services, high density 100G/400G traffic engineered MPLS and SR-TE cores, secure peering, 5G infrastructure and metro-aggregation for the backhaul of E-LINE services.

7020R4 Deterministic Network Performance

The Arista 7020R4 Series uses a deep buffer virtual output queue (VOQ) architecture that eliminates head-of-line (HOL) blocking and virtually eliminates packet drops even in the most congested network scenarios. An advanced traffic scheduler fairly allocates bandwidth between all virtual output queues while accurately following queue disciplines including weighted fair queueing, fixed priority, or hybrid schemes. As a result, the Arista 7020R4 can handle the most demanding data center requirements with ease, including mixed traffic loads of real-time, multicast, and storage traffic while still delivering low latency.

Routing Table Scale and FlexRoute™

Network scalability is directly impacted by the size of a system's 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 7020R4 Series leverage a database for forwarding resources which can be allocated for MAC, Routing, Host and ARP tables with a choice of forwarding profiles that optimizes these tables.

Arista's innovative FlexRoute Engine, with its patented algorithmic approach to building layer 3 forwarding tables on Arista R-Series, provides support for the full internet routing table in hardware. This flexibility coupled with the range of system forwarding profiles ensures optimal resource allocation for a wide range of network topologies and use cases including Internet Peering, virtualization, Carrier Edge and Security as well as datacenter spine and leaf.

Wire-speed Encryption with TunnelSec

7020R4M series platforms support Arista's TunnelSec technology, enabling line-rate, industry standard, authenticated strong encryption using the AES-256-GCM block cipher. TunnelSec devices offer IEEE 802.1AE MAC Security (MACsec), IPsec (RFC 4303) and VXLANsec for flexible encryption of layer 2, layer 3 or overlay networks. While MACsec operates at the link layer, offering point to point encryption, IPsec and VXLANsec enable the construction of encrypted IP tunnels that traverse multiple unencrypted hops between router or VTEP endpoints enabling line-rate strong encryption across third party infrastructure for WAN or DCI deployments.

The flexibility to offer multiple types of encryption enables a broad range of deployments and removes the need for additional encryption devices while providing orders of magnitude improvements in latency and throughput when compared to traditional appliance based implementations. The 7020R4K series support TunnelSec on all interface speeds, from 1G to 100G without a performance penalty. Encryption services are an EOS licensed feature and requires a license file to enable the encryption feature. License information is included in the ordering information section of this document.

7020R4 Accelerated sFlow

SFlow is a powerful tool used commonly by network operators for advanced network telemetry, capacity planning, security analysis and quality of experience monitoring. Traditional sFlow utilizes a system CPU for processing samples of hundreds of thousands of flows. In modern high performance systems guaranteed high rate sampling requires the capability to both sample and process packet rates of billions of packets per second. With the 7020R4 Series Accelerated sFlow feature the sampling and processing of flow samples into sFlow datagrams is handled via integrated sFlow engines capable of supporting 1:500 sampling rates on full wire speed systems or higher rates with selective sampling based on triggers and filters. All sFlow v5 information is included in the sFlow records ensuring consistent integration with existing standard sFlow collection and analysis tools and no loss of information.

Maximum Network Design Flexibility

- Scalable designs with wide ECMP provides flexibility and balances traffic evenly across the largest leaf-spine designs
- MLAG designs are effective at almost any layer of the network and maximize cross-sectional bandwidth with fast failover times measured in 100's of milliseconds for link failures.
- VXLAN gateway, bridging and routing with VMTracer features to enable next generation data center designs
- Scalable routing tables to support internet route peering
- Choice of SFP and RJ45 interfaces for flexible low-speed access.
- Virtual output queue (VOQ) architecture and deep packet buffering to eliminate head of line blocking with low latency
- Flexible allocation of L2 and L3 forwarding table resources for more design choice
- PTP, Accelerated sFlow, DANZ and multi-port mirroring tools provide network wide visibility and monitoring to detect traffic bursts, monitor latency and congestion and allow capacity planning to improve application performance and availability

Enhanced Features for High Performance Cloud Networks

The Arista 7020R4 Series delivers a suite of advanced traffic control and monitoring features to improve the agility of modern high performance environments, with solutions for automation, data monitoring, precise timing 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.

Precise Data Analysis

Arista Latency Analyzer (LANZ) and Precision Data Analyzer (DANZ) are integrated features of EOS. DANZ provides a solution to monitoring and visibility challenges at 100G, giving IT operations the ability to proactively deliver feedback on congestion events, filter, replicate, aggregate and capture traffic without affecting production performance. 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.

Precision Timing (IEEE 1588 and SyncE)

Many modern and emerging applications are using precision timing as part of their service delivery requirements including 5G, Media production, manufacturing, IoT sensors, high frequency trading etc. To meet the stringent timing and synchronization requirements, Arista's hardware delivers various timing solutions, including high precision in-band time and frequency distribution support via Precision Time Protocol (PTP, IEEE 1588v2) and Synchronous Ethernet (ITU G.8261). It also supports Class C timing, to meet the enhanced accuracy requirements at the edge of the 5G networks. As part of PTP support, Arista platforms provide both Boundary and Transparent clock modes as well as PTP profiles (8275.1 and 8275.2) with full and partial timing support allowing greater flexibility in the distribution of end to end timing solutions.

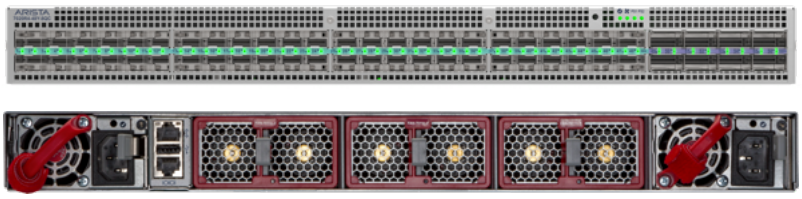
Virtualization

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.

Inband Network Telemetry

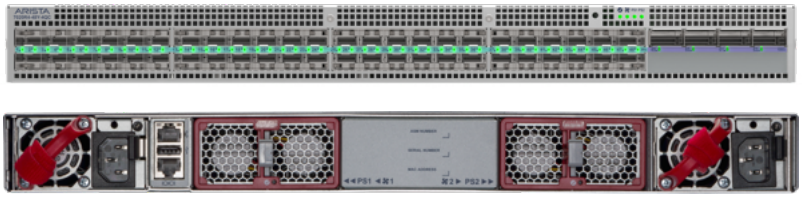
Inband network telemetry, or INT, is a standards approach to providing deep visibility into traffic in real-time, with no impact on switch performance. INT provides per-flow monitoring of traffic drops, latency, congestion and the network path. INT information can be exported in IPFIX or sFlow formats to a management system or collector such as Arista CloudVision, for predictive analytics and deep forensics to measure latency per device and across the network, trace packets and reconstruct path topology as well as detecting hot-spots. Inband Network Telemetry is available on the 7020R4 Series of products, with the ability to originate, pass and terminate, along with mirroring to external collectors.

7020R4 System Overview



7020R4-48Y-8QC
48 port 1G/10G/25G SFP and 8 port 100G QSFP

- 2 Tbps wire speed performance with 4GB buffer
- TunnelSec and SyncE



7020R4-48Y-4QC
48 port 1G/10G/25G SFP and 4 port 100G QSFP

- 1.4 Tbps wire speed performance with 2GB buffer
- TunnelSec and SyncE

7020R4-48TX-4QC
48 port 1G/10G RJ45 and 4 port 100G QSFP

- 880 Gbps wire speed performance with 2GB buffer
- TunnelSec

Power Supply Specifications

Power Supply	PWR-511 AC	PWR-511 DC
Input Voltage	100-240V AC	-48 to -60V DC
Max Input Current	6.3 - 2.3A	11.8A Max (-48V)
Input Frequency	50/60Hz	DC
Output Power	500W	500W
Input Connector	IEC 60320 C14	AWG #14 Max
Efficiency	93% Platinum	92%

Model Comparison	7020R4-48Y-8QC	7020R4M-48Y-8QC	7020R4-48Y-4QC	7020R4M-48Y-4QC
Ports	8 x QSFP 100G 48 x SFP25	8 x QSFP 100G 48 x SFP25	4 x QSFP 100G 48 x SFP25	4 x QSFP 100G 48 x SFP25
Max 100G Ports [1]	8	8	4	4
Max 50G Ports [1]	16	16	8	8
Max 25G Ports [1]	80	80	64	64
Max 10G Ports [1]	64	64	56	56
Max 1G Ports [1]	52	52	50	50
Encryption	—	TunnelSec	—	TunnelSec
Max Total Interfaces [2]	80	80	64	64
Throughput (FDX)	2 (4) Tbps	2 (4) Tbps	1.4 (2.8) Tbps	1.4 (2.8) Tbps
Packets/Second	1 Bpps	1 Bpps	900 Mpps	900 Mpps
Latency	From 3.8 us	From 3.8 us	From 3.8 us	From 3.8 us
CPU	4c8t x86	4c8t x86	4c8t x86	4c8t x86
System Memory	32 Gigabytes	32 Gigabytes	16 Gigabytes	16 Gigabytes
Packet Buffer Memory	4 GB	4 GB	2 GB	2 GB
Precision Timing	In-band PTP and SyncE			
SSD Storage	120 GB		32 GB	
100/1000 Mgmt Ports	1			
USB and RS232 Ports	1 USB, 1 RS232 (RJ45)			
Hot-swap Power Supplies	2 (1+1 redundant)			
Hot-swappable Fans	3 (N+1 redundant)		2 (N+1 redundant)	
Airflow Direction	Front to Rear and Rear to Front			
Rack Units	1 U			
Size (WxHxD) inc. handles	17.3 x 1.72 x 19.57 in (44 x 4.37 x 49.7 cm)			
Typical/Max Power Draw [3]	TBD		TBD	
Weight	21.7 lbs (9.84 kg)		21.2 lbs (9.62 kg)	
Fan Tray	FAN-7011M			
Power Supplies	PWR-511 (AC or DC)			
Accelerated sFlow	Yes			
EOS Feature Licenses	Group 2			
Minimum EOS	TBD			

1. Maximum port values 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, excludes transceivers.

Model Comparison	7020R4-48TX-4QC	7020R4M-48TX-4QC
Ports	4 x QSFP 100G 48 x 1G/10G RJ45	4 x QSFP 100G 48 x 1G/10G RJ45
Max 100G Ports [1]	4	4
Max 50G Ports [1]	8	8
Max 25G Ports [1]	16	16
Max 1G/10G Optical Ports [1]	2 / 8	2 / 8
Max 1G/10G RJ45 Ports [1]	48	48
Encryption	—	TunnelSec
Max Total Interfaces [2]	64	64
Throughput (FDX)	880 Gbps (1.76 Tbps)	880 Gbps (1.76 Tbps)
Packets/Second	900 Mpps	900 Mpps
Latency	From 3.8 us	From 3.8 us
CPU	4c8t x86	4c8t x86
System Memory	16 Gigabytes	16 Gigabytes
Packet Buffer Memory	2 GB	2 GB
Precision Timing	In-band PTP	
SSD Storage	32 GB	
100/1000 Mgmt Ports	1	
USB and RS232 Ports	1 USB, 1 RS232 (RJ45)	
Hot-swap Power Supplies	2 (1+1 redundant)	
Hot-swappable Fans	2 (N+1 redundant)	
Airflow Direction	Front to Rear and Rear to Front	
Rack Units	1 U	
Size (WxHxD) inc. handles	17.3 x 1.72 x 19.29 in (44 x 4.37 x 49 cm)	
Typical/Max Power Draw [3]	TBD	
Weight	22.6 lbs (10.25 kg)	
Fan Tray	FAN-7011M	
Power Supplies	PWR-511 (AC or DC)	
Accelerated sFlow	Yes	
EOS Feature Licenses	Group 2	
Minimum EOS	TBD	

1. Maximum port values 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, excludes transceivers.

Standards Compliance

EMC	FCC A ICES-003 Issue 7 EN 55032:2015 EN IEC 61000-3-2:2019 EN 61000-3-3 KS C 9832 VCCI-CISPR 32:2016 AS/NZS CISPR 32:2015 +A1 2020 EN 300 386 TEC/SD/DD/EMC-221 CNS 15936 BS EN 55032:2015+A11:2020 BS EN IEC 61000-3-2 BS EN 61000-3-3
Immunity	EN 55035:2017+A11:2020 EN 300 386 KS C9835 BS EN 55035:2017+A11:2020
Safety	EN 62368-1:2020+A11:2020 EN 62368-1:2014+A11:2017 IEC 62368-1: 2018 Korea KC Safety KC 62368-1 (2021-08) CSA/UL 62368-1:2019 NOM 019-SCFI-1998 CNS 15598-1 AS/NZS 62368.1:2022
Certifications	BSMI (Taiwan) FCC Class A (United States) ICES-003 (Canada) CE (European Union) KCC (South Korea) NRTL (North America) RCM (Australia / New Zealand) UKCA (United Kingdom) VCCI (Japan) TEC (India) ANATEL (Brazil) ICASA (South Africa) NOM Equivalency (Mexico)
European Union Directives	2014/35/EU Low Voltage Directive 2014/30/EU EMC Directive 2012/19/EU WEEE Directive 2011/65/EU RoHS Directive 2015/863/EU Commission Delegated 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 90%
Operating Altitude	0 to 10,000 ft, (0-3,000m)

7020R4-48Y-8QC	Product Description
DCS-7020R4-48Y-8QC-F	Arista 7020R4, 48x25GbE SFP and 8x100GbE QSFP switch router, front to rear air, 2 x AC
DCS-7020R4-48Y-8QC-R	Arista 7020R4, 48x25GbE SFP and 8x100GbE QSFP switch router, rear to front air, 2 x AC
DCS-7020R4-48Y-8QC#	Arista 7020R4, 48x25GbE SFP and 8x100GbE QSFP switch router, configurable fans and psu
DCS-7020R4M-48Y-8QC-F	Arista 7020R4, 48x25GbE SFP and 8x100GbE QSFP switch router, enh. encryption, front to rear air, 2 x AC
DCS-7020R4M-48Y-8QC-R	Arista 7020R4, 48x25GbE SFP and 8x100GbE QSFP switch router, enh. encryption, rear to front air, 2 x AC
DCS-7020R4M-48Y-8QC#	Arista 7020R4, 48x25GbE SFP and 8x100GbE QSFP switch router, enh. encryption, configurable fans and psu
FAN-7011M-F	Spare fan module for Arista 7000 Series 1RU Enhanced Fan Speed (front-to-rear airfow)
FAN-7011M-R	Spare fan module for Arista 7000 Series 1RU Enhanced Fan Speed (rear-to-front airfow)
PWR-511-AC-RED	Arista PSU, 1RU, AC, 500W, front-to-rear airfow, 73.5mm
PWR-511-AC-BLUE	Arista PSU, 1RU, AC, 500W, rear-to-front airfow, 73.5mm
PWR-511-DC-RED	Arista PSU, 1RU, DC, 500W, front-to-rear airfow, 73.5mm
PWR-511-DC-BLUE	Arista PSU, 1RU, DC, 500W, rear-to-front airfow, 73.5mm
KIT-7101	Spare tool-free accessory kit (v3) for Arista switches. 4-post mount. (2 x C13-C14, 2m)
KIT-7101-RK	Spare tool-free 4-post mount kit (v3). (Compatible with KIT-ADJ-RLR)
KIT-7101-LD-RK	Spare extended tool-free 4-post mount kit (v3), includes deep chassis adapters. (82 - 107cm / 32 - 42")
KIT-2POST-1U-NT	Spare tool-free 2-post mount kit (v2) for 1RU Arista tool-free switches
KIT-GND-EXT-1RU	Arista 7000 Series 1RU Ground Extender Kit for NEBS compliance

Note:
- For the complete contents of each accessory kit, please use the lookup tool here: https://www.arista.com/en/support/product-documentation/accessory-kit-lookup
- Front-to-rear means the air flows from the switch port side to the fan side. Rear to front means the air flows from the fan side to the switch port side.

7020R4-48Y-4QC	Product Description
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DCS-7020R4-48Y-4QC-R	Arista 7020R4, 48x25GbE SFP and 4x100GbE QSFP switch router, rear to front air, 2 x AC
DCS-7020R4-48Y-4QC#	Arista 7020R4, 48x25GbE SFP and 4x100GbE QSFP switch router, configurable fans and psu
DCS-7020R4M-48Y-4QC-F	Arista 7020R4, 48x25GbE SFP and 4x100GbE QSFP switch router, enh. encryption, front to rear air, 2 x AC
DCS-7020R4M-48Y-4QC-R	Arista 7020R4, 48x25GbE SFP and 4x100GbE QSFP switch router, enh. encryption, rear to front air, 2 x AC
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PWR-511-DC-RED	Arista PSU, 1RU, DC, 500W, front-to-rear airfow, 73.5mm
PWR-511-DC-BLUE	Arista PSU, 1RU, DC, 500W, rear-to-front airfow, 73.5mm
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KIT-7101-LD-RK	Spare extended tool-free 4-post mount kit (v3), includes deep chassis adapters. (82 - 107cm / 32 - 42")
KIT-2POST-1U-NT	Spare tool-free 2-post mount kit (v2) for 1RU Arista tool-free switches
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DCS-7020R4-48TX-4QC#	Arista 7020R4, 48x10GbE RJ45 and 4x100GbE QSFP switch router, configurable fans and psu
DCS-7020R4M-48TX-4QC-F	Arista 7020R4, 48x10GbE RJ45 and 4x100GbE QSFP switch router, enh. encryption, front to rear air, 2 x AC
DCS-7020R4M-48TX-4QC-R	Arista 7020R4, 48x10GbE RJ45 and 4x100GbE QSFP switch router, enh. encryption, rear to front air, 2 x AC
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FAN-7011M-R	Spare fan module for Arista 7000 Series 1RU Enhanced Fan Speed (rear-to-front airfow)
PWR-511-AC-RED	Arista PSU, 1RU, AC, 500W, front-to-rear airfow, 73.5mm
PWR-511-AC-BLUE	Arista PSU, 1RU, AC, 500W, rear-to-front airfow, 73.5mm
PWR-511-DC-RED	Arista PSU, 1RU, DC, 500W, front-to-rear airfow, 73.5mm
PWR-511-DC-BLUE	Arista PSU, 1RU, DC, 500W, rear-to-front airfow, 73.5mm
KIT-7101	Spare tool-free accessory kit (v3) for Arista switches. 4-post mount. (2 x C13-C14, 2m)
KIT-7101-RK	Spare tool-free 4-post mount kit (v3). (Compatible with KIT-ADJ-RLR)
KIT-7101-LD-RK	Spare extended tool-free 4-post mount kit (v3), includes deep chassis adapters. (82 - 107cm / 32 - 42")
KIT-2POST-1U-NT	Spare tool-free 2-post mount kit (v2) for 1RU Arista tool-free switches
KIT-GND-EXT-1RU	Arista 7000 Series 1RU Ground Extender Kit for NEBS compliance

Note:
- For the complete contents of each accessory kit, please use the lookup tool here: https://www.arista.com/en/support/product-documentation/accessory-kit-lookup
- Front-to-rear means the air flows from the switch port side to the fan side. Rear to front means the air flows from the fan side to the switch port side.

Software Licenses	Product Description
LIC-FIX-2-E	Enhanced L3 License for Arista Group 2 Fixed switches, (BGP, OSPF, ISIS, PIM, NAT)
LIC-FIX-2-V	Virtualization license for Group 2 Arista Fixed switches (VMTracer and VXLAN)
LIC-FIX-2-V2	EOS Extensions, Security and Partner Integration license for Arista Group 2 Fixed switches
LIC-FIX-2-Z	Monitoring & Automation license for Arista Group 2 Fixed switches (ZTP, LANZ, TapAgg, API, Time-stamping, OpenFlow)
LIC-FIX-2-FLX-L	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)
LIC-FIX-2-FLX	FLX License for Arista Fixed Group 2 - Full Routing upto 2M Routes, >24K ACL, EVPN, VXLAN, SR, Adv MPLS-LER/LSR, with TE & link/node protection
LIC-FIX-2-MACSEC	MACSEC Encryption License for Arista Group 2 Fixed switches, MACSEC capable ports
LIC-FIX-2-ENCR	Enhanced Security Encryption License for Arista Group 2 Fixed switches, Encryption capable ports, TunnelSec, IPsec and MACsec

Warranty

The Arista 7020R4 Series 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

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