## Product Highlights

### System Scale and Performance

- 460 Tbps (920 Tbps FDX) fabric capacity
- Up to 173 Billion packets per second
- Up to 28.8 Tbps per slot
- Up to 576 wire-speed 800G ports
- 100G, 200G, 400G and 800G modes
- Deep packet buffer up to 32 GB /line card

### Fully Scheduled Lossless Architecture

- Cell-spraying fabric for 100% efficiency
- Fully scheduled credit control
- Per port Virtual Output Queuing to eliminate head of line blocking
- Under 4 microsecond latency (64 bytes)

### Cloud Grade Routing

- Secure Internet Peering
- MACsec, IPsec and VXLANsec encryption
- 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 (IEEE 1588 - PTP)
- Open programmable APIs (JSON-RPC, NETCONF) for provisioning, telemetry, path selection/topology discovery

### High Availability

- Dual-input grid redundant power supplies
- Configurable PSU redundancy up to N+N
- 1+1 Supervisor redundancy
- Graceful fabric module redundancy

### Advanced Provisioning, Monitoring

- CloudVision
- LANZ for microburst detection
- Zero Touch Provisioning (ZTP)
- Accelerated sFlow (RFC3176)
- IEEE 1588 PTP

### Power Efficiency

- High efficiency power and cooling design
- Linear-drive pluggable optics (LPO)

### 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
- Open APIs and Real-time telemetry
- Extensible platform - bash, python, C++

## Overview

The Arista 7800R4 Series of purpose built modular routers deliver the industry's highest single-hop network performance with a rich feature set for Cloud, Data Center and Service Provider networks. Available in a choice of 16, 12, 8 and 4 slot systems, scaling to 460 Tbps (920 Tbps Full Duplex) of system throughput, 576 ports of 800GbE or 1152 ports of 400GbE, high capacity is combined with a power efficient, deep buffer, non-blocking, fully scheduled and lossless VOQ cell-spraying architecture for wire-speed deterministic network performance.

The 7800R4 Series enables highly scalable and secure network designs with MPLS, Segment Routing and EVPN-VXLAN in addition to Arista's TunnelSec™ strong encryption for layer 2 and layer 3 and advanced capabilities such as FlexRoute™, large scale Traffic Polices and Accelerated sFlow.

Multiple scaling options combined with a rich open networking feature set provide the flexibility to be deployed in a wide range of roles including large scale layer 2 and layer 3 cloud designs, overlay networks, virtualized or traditional enterprise data center networks, data center interconnect, peering and service provider backbones.

The 7800R4 Series is energy efficient, with best in class power consumption and is purpose built for business critical availability with full system redundancy, including hot swappable supervisors, fabrics, power and cooling modules.

*Arista 7800R Series Modular Data Center Switches*

## Arista EOS

All Arista products including the 7800R4 Series runs the same Arista EOS software, simplifying network administration with a common standard across all switches. 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 together with stateful switchover without the loss of data plane forwarding.

Arista EOS enables advanced monitoring and automation capabilities such as AI Tracer, Zero Touch Provisioning, LANZ, VM Tracer and Linux based tools to be run natively on the switch.

## 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 50K-2M 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

### 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 Data Center High Performance Interconnects

The Arista 7800R Series deliver non-blocking switching capacity that enables dramatically faster and simpler network designs for data centers and lower both capital and operational expenses. A wide range of modular systems with a single consistent EOS allows for flexible selections at all tiers of the network and deployment scenarios including layer 2 MLAG, layer 3 ECMP, VXLAN Overlay and Internet Peering.

Arista's Multi-Chassis Link Aggregation (MLAG) technology supports a leaf and spine active/active L2 network topology. An Equal Cost Multi-Path (ECMP) design at Layer 3 scales the network in a fully non-blocking, low-latency, two-stage 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 flexibility, scalability and network wide virtualization that scales to hundreds of thousands of hosts in a simple two-tier design. Both designs support overlay networks via EVPN/VXLAN and can integrate with standards-based overlay controller solutions.

The 7800R Series includes Arista's FlexRoute technology which provides the flexible resource allocation and scalability to support Internet scale routing. 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 7800R4 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.

Next generation multi-service environments require flexibility, security and open programmability to leverage the power efficiency and proven scale of cloud networks. 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, 5G infrastructure and metro-aggregation for the backhaul of E-LINE services.

## Enhanced Features for High Performance Cloud Networks

The Arista 7800R 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.

Arista offers solutions for a variety of approaches to cloud-like network automation. Addressing the needs of the largest public cloud environments as well as applying those lessons learned in the turnkey CloudVision automation offering.

## Ideal Architecture for AI/ML and HPC Networks

Maximizing the ROI of high value Generative AI clusters requires a different approach to infrastructure than a typical data center. Back-end training networks need to be highly performant, delivering lossless and deterministic connectivity under 100% load conditions in order to minimize the completion times of each of the hundreds of thousands of inter-accelerator transactions that occur through the life of a training job. At high scale and for long running jobs, hardware and software quality and reliability are critical to ensuring jobs reach completion in one pass and expensive accelerators are not under utilized or cycles wasted repeating jobs.

The AI ecosystem is innovating rapidly, with continuous development in accelerator hardware, supporting libraries and underlying communications topologies. The 7800 Series is accelerator agnostic, enabling innovation in the processing layer, and provides unparalleled performance with its unique fully scheduled cell based architecture and industry leading hardware and software quality. With the highest 800G density and a full suit of open standards features, the 7800 is also flexible to support any topology, scaling to over 660k 400G endpoints in just two tiers.

## 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 100/400/800Gbps 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.

## 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 7800R4 builds on the deep buffer wire-speed gateway with EVPN/VXLAN for layer-2 and layer-3 stretch within data center as well as DCI use cases. The 7800R4 is the perfect solution for transit gateway between EVPN domains connected over MPLS.

## Maximum Network Design Flexibility

- Scalable designs with up to a 512-way 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
- Dense 800G line cards with support for flexible 100G, 200G, 400G breakout modes
- Virtual output queue (VOQ) architecture and deep packet buffering to eliminate head of line blocking with low latency
- ACL Traffic Policy scalability with over 400K entries per forwarding engine allows for rich policy control
- Flexible allocation of L2 and L3 forwarding table resources for more design choice
- PTP, 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

## System Overview

The 7800R4 Series offers architectural consistency to the 7800R3 and 7280R3 Series that ensures long term investment protection with support for deterministic fair delivery, flexible scale and open programmability. The following 7800R4 chassis options are available, each supporting HVAC, HVDC and LVDC power options:

- **7816LR** a 16-slot 32RU chassis that supports up to 16 line cards
- **7812R** a 12-slot 23RU chassis that supports up to 12 line cards
- **7808R** an 8-slot 16 RU chassis that supports up to 8 line cards
- **7804R** a 4-slot 10 RU chassis that supports up to 4 line cards

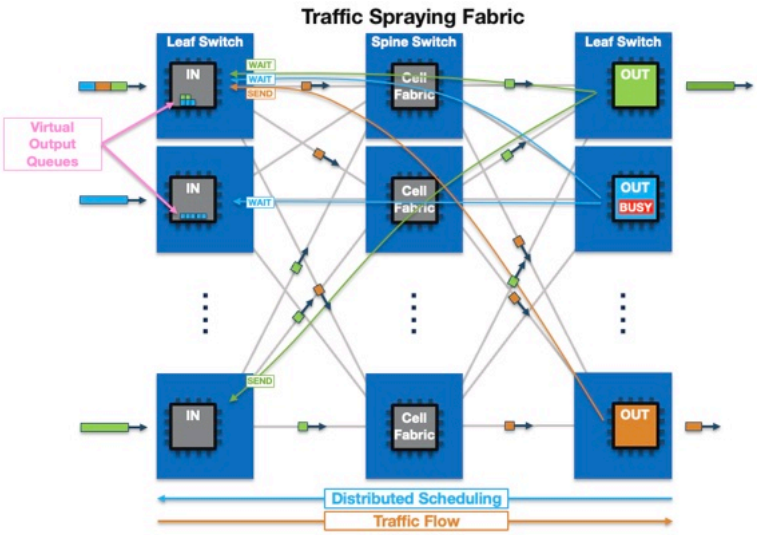
7800R4 systems equipped with R4 line cards support scalable routing intra- or inter-data center with a rich open standards based protocol and feature set, combined with security, access control, policy based forwarding and network telemetry. 7800R4K Series line cards offer enhanced routing and policy scale with TunnelSec layer 2 and layer 3 encryption for demanding routing applications.

## 7800R4 Fully Scheduled Lossless Network Performance

The Arista 7800R Series are purpose built multi-chip systems with fully distributed end to end scheduling and coordination - even in the largest 16-slot, 576x 800GbE variant, the platform operates like a single extremely large switching chip that is 100% internally lossless and fair. Four advanced technologies converge to this highly desirable architecture:

- **Cell-based fabric -** mitigates elephant and mice flows with uniform cells sprayed across all fabric links for 100% efficiency
- **Virtual Output Queues (VOQ) -** invokes ingress virtual queues to every egress port, eliminating head of line blocking (HOLB)
- **Distributed Credit Scheduling -** ensures all egress ports are independent eliminating HOLB and noisy neighbor issues
- **Deep Buffering -** easily handles incast, bursts and speed mismatches without packet loss, keeping TCP running efficiently

This advanced architecture enables the Arista 7800R to handle the most demanding workloads with ease. AI clusters, data centers and Service Provider networks all benefit from the 7800R family's ability to handle high bandwidth low entropy traffic, mixed traffic loads, real-time, multicast, and storage traffic while still delivering low latency and non-blocking performance.




*7800R4 Series Fully Scheduled Architecture*

## 7800R4 Series Chassis - 16-Slot, 12-slot, 8-slot and 4-slot

The 7800R Series chassis each provide room for two supervisor modules, four, eight, twelve or sixteen line card modules, grid redundant power supplies and five fabric modules. Supervisor and line card modules plug in from the front, along with the power supplies while the fabric modules are inserted from the rear.

The system uses a mid-plane-less design for direct and consistent connectivity from all line cards to all fabric modules providing identical capacity to all line card slots in addition to control plane connectivity to each of the fabric and line card modules.

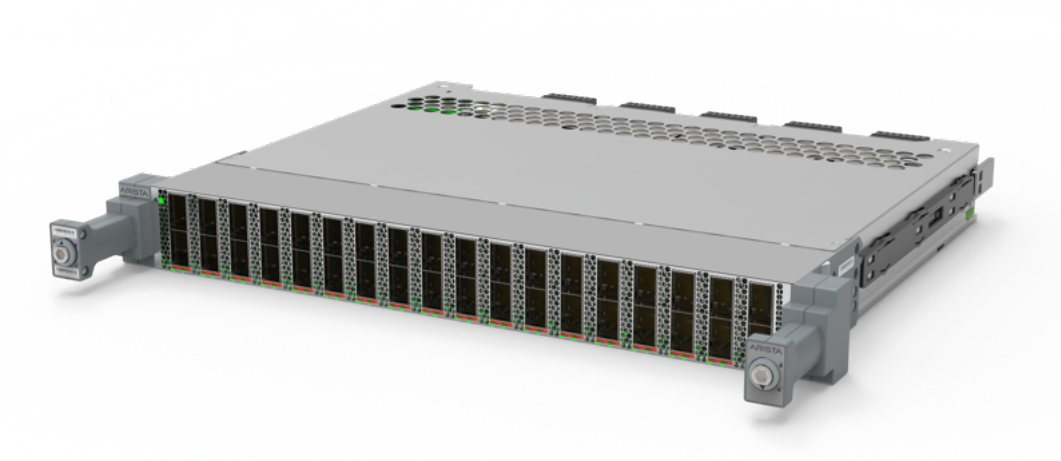
The systems are optimized for data center deployments with front-to-rear airflow and support dual-input, internally redundant, HVAC, HVDC or LVDC power supplies. Existing 7800R3 systems may be upgraded to 7800R4 specification with R4 fabric modules and line cards.

## 7800R4 Series Line Cards

7800R4 Series line cards provide up to 10.8 billion packets per second and 28.8 terabits per second of throughput with a choice of 800G interfaces, supporting for industry standard optics for both single and multi-mode fiber and the flexibility to enable multi-rate configurations. Line cards support 100G/200G and 400G breakout ensuring backwards and forwards compatibility and investment protection. Each line card provides up to 32GB of dynamically assigned packet memory for VOQ ensuring lossless, fair forwarding and virtually eliminating packet drops in transient congestion scenarios.

7800R4C line cards are optimized for cluster computing, implementing an AI optimized, lower latency and energy conserving pipeline while maintaining the core non-blocking, lossless forwarding architecture that enables intensive applications to perform to their maximum.

7800R4 and R4K Series line cards add support for rich routing features including FlexRoute and Algorithmic ACLs. Designed for scalable routing intra- or inter-data center, or at Internet scale. Scalability is combined with security, access control, policy based forwarding and network telemetry. 7800R4K Series line cards offer both encryption and expanded FlexRoute support to over 5M routes. Accelerated sFlow at high density 100G, 400G and 800G provides visibility and programmatic control of traffic steering with no impact on packet forwarding.



7800R4 36PE series: 36 port 800G OSFP line card

- Up to 36 800G ports per line card or 72 400G ports
- 28.8 Tbps of forwarding and 10.8 Bpps with 32GB of buffer
- Available in three specifications

## Supervisor Modules

The supervisor modules for the 7800R4 series run Arista Extensible Operating System (EOS) and handle all control plane and management functions of the system. One supervisor module is needed to run the system and a second can be added for 1+1 redundancy. The multi-core x86 CPU provides the control plane performance needed to run an advanced data center switch scaling to hundreds of physical ports and thousands of virtual ports.

## Fabric Modules

At the heart of the 7800R4 series are the fabric modules which interconnect all line cards in a non-blocking architecture irrespective of the traffic. Each line card module connects to all fabric modules with multiple links. Data is chopped into cells and sprayed across all links to fully utilize the fabric capacity. Unlike hash-based selection of fabric links, the cell-based 7800R architecture provides 100% efficient connectivity from any port to any other port with no drops. Fabric modules are always active-active, provide redundancy and can be hot-swapped. Fabric modules contain individually serviceable fans for flexible and redundant cooling.

## Power Supply Modules

The 7800R4 series switches are equipped with redundant and hot-swappable AC or DC power supplies with an internal variable speed fan. Each dual-input power supply integrates 1+1 grid redundancy in a choice of 3000W HVAC, HVDC or LVDC formats. AC supplies are Titanium climate saver rated and have an efficiency of over 94% with single stage conversion to the internal 12V DC voltage. DC supplies are available to suit either -40 to -72V or 240 to 380V direct current inputs.

## 7800R High Availability

The Arista 7800R Series are designed for continuous operations with system wide monitoring of both hardware and software components, simple serviceability and provisioning to prevent single points of failure. The hardware supports high-availability with hot-swap of all components with redundant supervisors, power supplies, fabric and cooling modules. Fabric redundancy provides zero loss of performance with deterministic degradation and high performance fan systems provide dynamic temperature control combined with N+1 redundancy. The 7800R Series offer power redundancy that supports both power source and power supply redundancy with each power supply providing two supply connections and being internally redundant. The Arista EOS software supports stateful failover (*) between the dual redundant supervisors as well as self-healing stateful fault containment (SFC), stateful fault repair (SFR) and live patching through in-service-software updates to help ensure continuous service.

## 7800R Inband Network Telemetry and Precision Timing (IEEE 1588)

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 7800R4 Series of products, with the ability to originate, pass and terminate, along with mirroring to external collectors. Arista's hardware derived Precision Time Protocol solution provides a robust mechanism for accurate in-band time distribution in high performance environments, offering both Boundary and Transparent clock modes. The system clock can be synchronized using IEEE 1588 PTP.

## 7800R 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 7800R 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 even higher rates with selective sampling based on triggers and filters. All sFlow v5 information is included in the sFlow records ensuring integration with standard sFlow collection and analysis tools and no loss of key information.

## Algorithmic ACLs

Algorithmic ACLs combine both software and hardware to enable more flexible and scalable solutions for access control, policy based forwarding and network telemetry. Combining general purpose memory with advanced software algorithms delivers higher scale, performance and efficiency with lower power and is more cost effective than traditional solutions. Algorithmic ACLs leverage efficient packet matching algorithms that in turn enables flow matching for access control, policy and visibility. The net benefits are a high performance policy engine with both increased functionality and scale in a cost and power efficient solution. Algorithmic ACLs are available on the 7800R4 and 7800R4K Series of line cards.

- Enables IPv4 and IPv6 access control at the same scale
- L4 rule ranges are programmed efficiently without expansion or reduced capacity
- Multiple actions can be performed on a single packet or flow
- User defined filters allow flexible packet classification based on offsets for custom actions
- Supports rich policy with consistent semantics that would exhaust classical resources

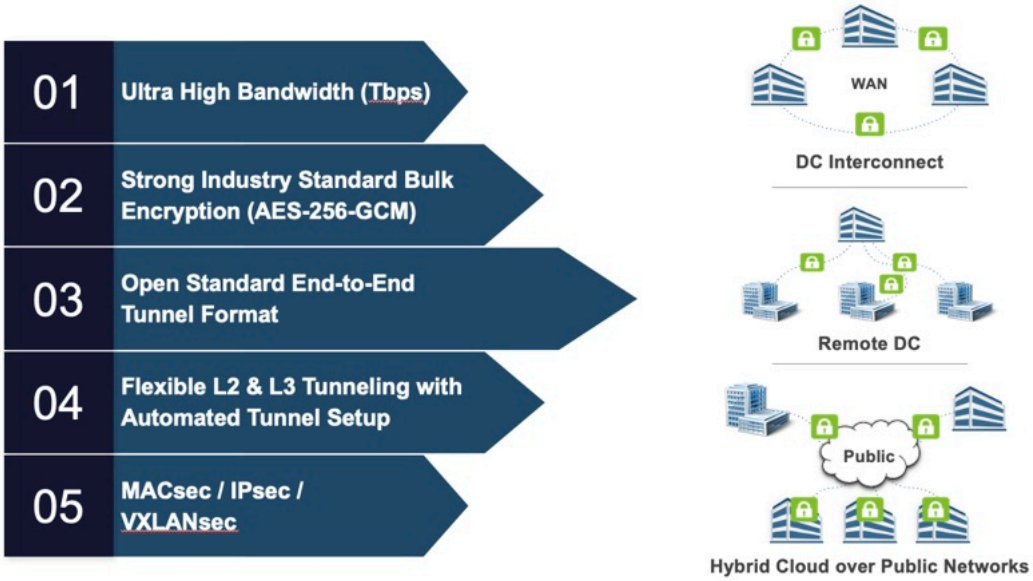
## Routing Table Scale and FlexRoute™

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 7800R4 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. Scaling to more than 5 million routes in 7800R4K modules, the 7800R4 Series platforms have sufficient headroom for future growth in both IPv4 and IPv6. The 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.

## 800G Wire-speed Encryption with TunnelSec

7800R4K line cards support Arista's TunnelSec technology, enabling line-rate, industry standard, authenticated strong encryption with 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.

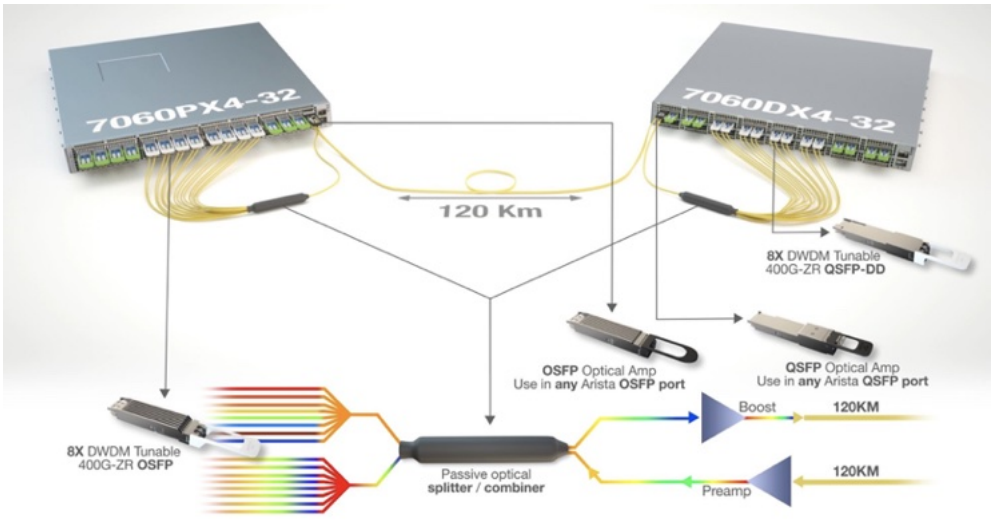



*Key Features of Arista TunnelSec ™*

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. 7800R4K series line cards support TunnelSec on all interface speeds, up to 800G 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.

## Dense 400G and 800G DWDM

Arista's 7800R4 and 7800R4K 36 port 800G line cards are optimized to support high power 400G and 800G ZR+ OSFP modules. ZR modules are software tunable, DWDM, coherent optical modules, with a reach of up to 120km. When combined with Arista's ZR Line System, up to 8x 800GZR modules can be multiplexed to transport 6.4 Tb/s over a single fiber pair. The combination of a 7800R4 36 port line card, 800G-ZR and the ZR-LS represent a revolutionary plug-and-play approach, completely eliminating external transponders and line systems while reducing cost and complexity - allowing DCI links to be turned up as quickly and easily as inside-the-datacenter links.




*High-level Overview of Arista's ZR-Line System for 400G and 800G ZR*

## Supported Features in EOS

The table below provides an overview of the superset of features planned for the 7800R4 platform. For current feature support and roadmap, please consult the feature matrix: https://www.arista.com/en/support/product-documentation/supported-features or contact your Arista representative.

### 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
  - 256 Ports / Channel
  - 2048 groups per system (subject to system density)
- MLAG (Multi-Chassis Link Aggregation)
  - Uses IEEE 802.3ad LACP
  - 512 ports per MLAG
- 802.1Q VLANs/Trunking
- 802.1AB Link Layer Discovery Protocol
- 802.3x Receive Flow Control
- IGMP v1/v2/v3 snooping
- Storm Control
- Layer 2 sub-interfaces

### Layer 3 Features

- Static Routes
- Routing Protocols: OSPF, OSPFv3, BGP, MP-BGP, IS-IS, and RIPv2
- BGP FlowSpec, BMP, BGP-RPKI, PIC
- 512-way Equal Cost Multipath Routing (ECMP)
- Unequal Cost Multipath Routing with BGP communities
- VRF, Inter-VRF Route Leaking
- Bi-Directional Forwarding Detection (BFD)
- Micro BFD (RFC 7130)
- Unicast Reverse Path Forwarding (uRPF)
- VXLAN Bridging and Routing
- VRRP / VRRPv3
- Virtual ARP (VARP)
- Policy Based Routing (PBR)
- Route Maps & RCF (Routing Control Functions)
- Layer 3 sub-interfaces
- Route-target pruning, Route-target constraints
- Route Reflector, Optimal Route Reflector

### Multicast

- IGMP v2/v3
- MLD v2
- Protocol Independent Multicast (PIM-SM / PIM-SSM)
- PIM-BiDir *
- Anycast RP (RFC 4610)
- Multicast Source Discovery Protocol (MSDP)
- Multicast Only FastReroute (MoFRR)

### Advanced Monitoring and Provisioning

- Latency Analyzer and Microburst Detection (LANZ)
  - Configurable Congestion Notification (CLI, Syslog)
  - Streaming Events (GPB Encoded)
- Zero Touch Provisioning (ZTP)
- Advanced Mirroring
  - Port Mirroring (14 sessions)
  - Enhanced Remote Port Mirroring
  - SPAN/TAP M:N Aggregation
  - L2/3/4 Filtering Post-card Telemetry
- Advanced Event Management suite (AEM)
  - CLI Scheduler
  - Event Manager
  - Event Monitor
  - Linux tools
- Integrated packet capture/analysis with TCPDump
- Restore and Configure from USB
- RFC 3176 sFlow
- Optional SSD for logging and data capture
- IPFIX

### Security Features

- Control Plane Protection (CPP)
- Ingress / Egress ACLs using L2, L3, L4 fields
- Ingress / Egress ACL Logging and Counters
- MAC ACLs
- UDF (User Defined Fields)
- ACL Deny Logging
- ACL Counters
- Atomic ACL Hitless restart
- DHCP Relay / Snooping
- MAC Security
- RADIUS/TACACS+
- ARP trapping and rate limiting
- Scalable traffic policies
- MACsec (IEEE 802.1AE), IPsec, VXLANsec

### Quality of Service (QoS) Features

- Up to 8 queues per port / sub-interface
- Strict priority queueing
- DSCP based classification and remarking
- Egress shaping / Weighted round robin (WRR)
- WFQ, CIR*, ETS*, Fixed Priority
- Policing / Shaping, H-QoS
- Explicit Congestion Notification (ECN) marking
- 802.1Qbb Per-Priority Flow Control (PFC)
- 802.1Qaz Enhanced Transmission Selection (ETS)
- Data Center Bridging Extensions (DCBX)
- Virtual Output Queueing
- Distributed Scheduler

* Not currently supported in EOS

## Precision Timing

- Synchronous Ethernet with ESMC
- IEEE 1588-2008 PTP T-GM, T-BC, T-TSC
- G.8275.1, G.8275.2, G.8261, G.8264

## Network Management

- CloudVision
- Configuration rollback and commit
- 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
- Beacon LED for system identification
- System Logging
- Environment monitoring

## MPLS

- LDP, RSVP-TE, FRR, BGP-LU, BGP-LS
- Bandwidth reservation, auto-bandwidth, split-tunneling
- ISIS-SR, OSPF-SR*, SR-TE, TI-LFA, BGP-SR, BGP-LU for EPE, ISIS FlexAlgo
- Seamless BFD with Round Trip Time
- Class Based Forwarding
- Flow-Aware Transport (RFC 6391), Entropy label (RFC 6790)

## L2/L3 VPN

- IP-VPN (RFC 4364), 6PE, 6vPE, inter-as option A,B&C
- LDP pseudowires (Type-4 & Type-5)
- VPLS with LDP signaling, BGP-AD
- VPLS with BGP signaling*
- Multicast VPN (NG-MVPN) mLDP with default MDT, data MDT*
- EVPN-VXLAN (L2 & L3)
- EVPN-MPLS (L2 & L3)
- EVPN VLAN based & VLAN-aware services
- EVPN Multihoming
- EVPN VPWS & VPWS-FXC with MPLS
- EVPN integrated Routing & Bridging (IRB)
- EVPN E-tree with MPLS
- EVPN L2 multicast, L3 OISM with VXLAN
- EVPN-VXLAN to EVPN-MPLS, EVPN-VXLAN to EVPN-VXLAN, EVPN-VXLAN to IP-VPN GWs

## Extensibility

- Linux Tools
  - Bash shell access and scripting
  - RPM support
  - Custom kernel modules
- Software Defined Networking (SDN)
  - OpenStack Neutron Plug-in support
- Programmatic access to system state
  - EOS SDK, Python, C++, GO
  - Chef, Puppet
  - eAPI (HTTP & HTTPS), NETCONF, RESTCONF, GNMI
  - OpenConfig yang models, EOS native models
- Native KVM/QEMU support

## Ethernet OAM

- Ethernet CFM (UP, DOWN MEPs)
- LM (Loss Measurement), SLM (Synthetic Loss Measurement), DM (Delay Measurement)
- RFC2544 (Initiator & reflector)
- TWAMP (Two Way Active Measurement Protocol)
- Link Fault signaling
- EOS connectivity monitor
- MPLS ping & trace route, VCCV 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
- 802.3x Flow Control
- 802.3by 25 Gigabit Ethernet
- 802.3ba 100 Gigabit Ethernet
- 802.3bs 400 and 200 Gigabit Ethernet
- 802.3cm 400 Gigabit over multimode fiber
- 800GBASE-ETC
- RFC 2460 Internet Protocol, Version 6 (IPv6)
- RFC 2461 Neighbor Discovery for IP Version 6 (IPv6)
- RFC 2462 IPv6 Stateless Address Autoconfiguration
- RFC 2463 Internet Control Message Protocol (ICMPv6)
- IEEE 1588-2008 Precision Time Protocol

## SNMP MIBs

- MIBs available at https://www.arista.com/en/support/product-documentation/arista-snmp-mibs

## OpenConfig paths

- Supported paths available at https://www.arista.com/en/support/toi/path-support

| Chassis | DCS-7816L | DCS-7812 |
|---|---|---|
| Supervisor slots | 2 | 2 |
| Linecard Slots | 16 | 12 |
| Fabric Module Slots | 6 | 6 |
| Power Supply Slots (Max Power Budget) | 24 (72 kW) | 18 (54 kW) |
| Physical Dimensions (HxWxD) | 55.6 x 17.4 x 37″ (141.3 x 44.1 x 94 cm) | 39.9 x 17.4 x 37" (101.3 x 44.1 x 94 cm) |
| Rack Units | 32 | 23 |
| Weight (Chassis Only) | 483 lbs (219 kg) | 355 lbs (161 kg) |
| Weight (Full System) | 1505 lbs (683 kg) | 1077 lbs (486 kg) |
| Maximum 800G Density [1] | 576 | 432 |
| Maximum 400G Density [1] | 1152 | 864 |
| Maximum 100G Density [1] | 4608 | 3456 |
| Maximum Throughput (FDX) | 460 (920) Tbps | 345 (690) Tbps |
| Max Power Consumption [2] | 28074 W | 22394 W |
| Typical Airflow [3] | 2723 cfm (77.1 m³/min) | 2007 cfm (56.8 m³/min) |
| Max Airflow [3] | 4620 cfm (130.8 m³/min) | 3420 cfm (96.8 m³/min) |

| Chassis | DCS-7808 | DCS-7804 |
|---|---|---|
| Supervisor slots | 2 | 2 |
| Linecard Slots | 8 | 4 |
| Fabric Module Slots | 6 | 6 |
| Power Supply Slots (Max Power Budget) | 12 (36 kW) | 8 (24 kW) |
| Physical Dimensions (HxWxD) | 27.7 x17.4 x 37.0" (70.3 x 44.1 x 94 cm) | 17.2 x 17.4 x 37.0″ (43.6 x 44.1 x 94 cm) |
| Rack Units | 16 | 10 |
| Weight (Chassis Only) | 222 lbs (101 kg) | 163 lbs (74 kg) |
| Weight (Full System) | 710 lbs (322 kg) | 447 lbs (203 kg) |
| Maximum 800G Density [1] | 288 | 144 |
| Maximum 400G Density [1] | 576 | 288 |
| Maximum 100G Density [1] | 2304 | 1152 |
| Maximum Throughput (FDX) | 230 (460) Tbps | 115 (230) Tbps |
| Max Power Consumption [2] | 14139 W | 6801 W |
| Typical Airflow [3] | 1404 cfm (39.8 m³/min) | 934 cfm (26.5 m³/min) |
| Max Airflow [3] | 2338 cfm (66.2 m³/min) | 1351 cfm (38.3 m³/min) |

1. Maximum density values based on per line card breakout with appropriate cables/transceivers and subject to EOS Scale
2. System maximum internal power calculated at 40C ambient with 100% load on all ports. Excludes optics power as this is a significant variable for 100G and 400G.
3. Typical airflow: default PSUs, 1x supervisor, full-fill of 7800R4C-36PE-LC at 25C, sea level. Max airflow: 40C+3km, 100% load, all line cards, supervisors and PSUs installed.

| Fabric Module | DCS-7816LR4-FM | DCS-7812R4-FM |
|---|---|---|
| Redundancy | Graceful degradation supported | |
| Dimensions (HxWxD) | 2.5" x 43.3" x 23.7" (6.4 x 109.9 x 60.1 cm) | 2.5" x 31.6" x 23.7" (6.4 x 80.3 x 60.1 cm) |
| Weight | 72.2 lbs (32.75 kg) | 52.2 lbs (23.7 kg) |
| Typical (Max) Power [1] | TBD | 1150 W (1752 W) |
| User Serviceable Fans | Yes (16 Fan Modules) | Yes (12 Fan Modules) |
| Chassis Support | DCS-7816L (Slots 1-5) | DCS-7812 (Slots 1-5) |

| Fabric Module | DCS-7808R4-FM | DCS-7804R4-FM |
|---|---|---|
| Redundancy | Graceful degradation supported | |
| Dimensions (HxWxD) | 2.5" x 21.5" x 23.70" (6.4 x 54.7 x 60.1 cm) | 2.5" x 12.4" x 23.70" (6.4 x 31.4 x 60.1 cm) |
| Weight | 35.8 lbs (16.2 kg) | 21 lbs (9.5 kg) |
| Typical (Max) Power [1] | 562 W (936 W) | 308 W (424 W) |
| User Serviceable Fans | Yes (8 Fan Modules) | Yes (4 Fan Modules) |
| Chassis Support | DCS-7808 (Slots 1-5) | DCS-7804 (Slots 1-5) |

| Fabric Cooling Module | DCS-7816L-FCM | DCS-7812-FCM |
|---|---|---|
| Redundancy | Graceful cooling degradation supported | |
| Dimensions (HxWxD) | 2.5" x 43.3" x 23.7" (6.4 x 109.9 x 60.1 cm) | 2.5" x 31.6" x 23.7" (6.4 x 80.3 x 60.1 cm) |
| Weight | 47.6 lbs (32.8 kg) | 35.2 lbs (16 kg) |
| Typical (Max) Power [1] | TBD | 334 W (807 W) |
| User Serviceable Fans | Yes (16 Fan Modules) | Yes (12 Fan Modules) |
| Chassis Support | DCS-7816L (Slot 6) | DCS-7812 (Slot 6) |

| Fabric Cooling Module | DCS-7808-FCM | DCS-7804-FCM |
|---|---|---|
| Redundancy | Graceful cooling degradation supported | |
| Dimensions (HxWxD) | 2.5" x 21.5" x 23.70" (6.4 x 54.7 x 60.1 cm) | 2.5" x 12.4" x 23.70" (6.4 x 31.4 x 60.1 cm) |
| Weight | 22.6 lbs (10.3 kg) | 14.8 lbs (6.7 kg) |
| Typical (Max) Power [1] | 147 W (515 W) | 44 W (137 W) |
| User Serviceable Fans | Yes (8 Fan Modules) | Yes (4 Fan Modules) |
| Chassis Support | DCS-7808 (Slot 6) | DCS-7804 (Slot 6) |

1. Typical power consumption measured at 25C ambient with 50% load on all ports.

| Supervisor Module | DCS-7800-SUP1A and SUP1S | DCS-7816-SUP and SUP1S |
|---|---|---|
| Processor | 1.9 GHz, Six-Core x86 64-bit | 2.0 GHz, Eight-Core x86 64-bit |
| System Memory | 64 GB | 64 GB |
| Flash Storage Memory | 4 GB | 4 GB |
| RS-232 Serial Ports | 1 | 1 |
| Management Ports | 1 (RJ-45) + 1 (SFP 1G) | 1 (RJ-45) + 1 (SFP 1G) |
| USB 2.0 Interface | 2 | 2 |
| SSD Storage | 256 GB | 256 GB |
| Default Secure Boot | S Model | S Model |
| Size (WxHxD) | 9.0 " x 2.1" x 17.25" (22.8 x 5.3 x 43.8 cm) | 9.0 " x 2.1" x 17.25" (22.8 x 5.3 x 43.8 cm) |
| Weight | 6.3 lbs (2.9 kg) | 6.3 lbs (2.9 kg) |
| Typical (Max) Power * | 61 W (72 W) | 71 W (78 W) |
| Chassis Support | DCS-7808, DCS-7804 | DCS-7816L, DCS-7812 |

| Power Supply | PWR-D1-3041-AC | PWR-D2-3041-DC | PWR-D4-3041-AC |
|---|---|---|---|
| Input Circuit (Max) | 2x - 200-240VAC, 16A | 2x -48 to -60VDC, 70A | 2x 200-277VAC or 2x 240-380VDC, 16A |
| Input Frequency | 50/60Hz | N/A | 50/60Hz (AC) |
| Output Power | 3000W | 3000W | 3000W |
| Input Connector | 2x SAF-D-GRID 400 | AWG#1 Max Each Lug 2 x M6 Studs | 2x SAF-D-GRID 400 |
| Efficiency | 94.5% Platinum | 94% | 94.5% Platinum |
| Size (WxHxD) | 2.7" x 1.6" x 23.6" (6.8 x 40.6 x 60.0cm) | 2.7" x 1.6" x 23.6" (6.8 x 40.6 x 60.0cm) | 2.7" x 1.6" x 23.6" (6.8 x 40.6 x 60.0cm) |
| Weight | 8lbs (3.6kg) | 8lbs (3.6kg) | 8lbs (3.6kg) |
| Chassis Support | DCS-7816L, DCS-7812, DCS-7808, DCS-7804 | | |

| 7800R Series | 7800R4-36PE | 7800R4K-36PE |
|---|---|---|
| Use Case | Accelerated Computing<br>Data Center | Accelerated Computing<br>Data Center, Service Provider |
| Ports | 36 x OSFP800 | 36 x OSFP800 |
| Max 100G-1 [1] | 288 | 288 |
| Max 400G-4 [1] | 72 | 72 |
| Max 800G-8 [1] | 36 | 36 |
| Max Total Interfaces [2] | 288 | 288 |
| Throughput (FDX) | 28.8 Tbps (57.6 Tbps) | 28.8 Tbps (57.6 Tbps) |
| Latency | From 3.8 µsec | From 3.8 µsec |
| Encryption | — | TunnelSec - All Ports |
| FlexRoute | Standard | Large Scale |
| Traffic Policies | Standard | Large Scale |
| Accelerated sFlow | Yes | Yes |
| Port Buffer | 32 GB | 32 GB |
| Weight | 26.7 lbs (12.1 kg) | 26.7 lbs (12.1 kg) |
| Typical (Max) Power [3] | 915 W (1110 W) | 921 W (1125 W) |
| Dimensions (WxHxD) | 18.9" x 2.1" x 17.8" (48.1 x 5.4 x 45.2 cm) | 18.9" x 2.1" x 17.8" (48.1 x 5.4 x 45.2 cm) |
| Chassis Support | DCS-7816L, DCS-7812, DCS-7808, DCS-7804 | DCS-7816L, DCS-7812, DCS-7808, DCS-7804 |

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. Excludes optics power as this is a significant variable for 100G, 400G and 800G

## Standards Compliance

| | |
|---|---|
| EMC | FCC A<br>ICES-003 Issue 7<br>EN 55032:2015<br>EN IEC 61000-3-2:2019<br>EN 61000-3-3<br>KS C 9832<br>VCCI-CISPR 32:2016<br>AS/NZS CISPR 32:2015 +A1 2020<br>EN 300 386<br>TEC/SD/DD/EMC-221<br>CNS 15936<br>BS EN 55032:2015+A11:2020<br>BS EN IEC 61000-3-2<br>BS EN 61000-3-3 |
| Immunity | EN 55035:2017+A11:2020<br>EN 300 386<br>KS C9835<br>BS EN 55035:2017+A11:2020 |
| Safety | EN 62368-1:2020+A11:2020<br>EN 62368-1:2014+A11:2017<br>IEC 62368-1: 2018<br>Korea KC Safety KC 62368-1 (2021-08)<br>CSA/UL 62368-1:2019<br>NOM 019-SCFI-1998<br>CNS 15598-1<br>AS/NZS 62368.1:2022 |
| Certifications | BSMI (Taiwan)<br>FCC Class A (United States)<br>ICES-003 (Canada)<br>CE (European Union)<br>KCC (South Korea)<br>NRTL (North America)<br>RCM (Australia / New Zealand)<br>UKCA (United Kingdom)<br>VCCI (Japan)<br>TEC (India)<br>ANATEL (Brazil)<br>ICASA (South Africa)<br>NOM Equivalency (Mexico) |
| 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 | 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) |

## System Bundles

| | |
|---|---|
| DCS-7804R4-BNDS-U [1] | Arista 7804R4 Chassis bundle. Includes 7804 chassis, 6x3kW D1 AC PS, 5xFM-R4, 1xFCM, 1x7800-Sup1S (Secure Boot Enabled, Extended Rack Kit) |
| DCS-7804R4-BNDS-U-DC [1] | Arista 7804R4 Chassis bundle. Includes 7804 chassis, 6x3kW D2 DC PS, 5xFM-R4, 1xFCM, 1x7800-Sup1S (Secure Boot Enabled, Extended Rack Kit) |
| DCS-7808R4-BNDS-U | Arista 7808R4 Chassis bundle. Includes 7808 chassis, 8x3kW D1 AC PS, 5xFM-R4, 1xFCM, 1x7800-Sup1S (Secure Boot Enabled, Extended Rack Kit) |
| DCS-7808R4-BNDS-U-DC | Arista 7808R4 Chassis bundle. Includes 7808 chassis, 8x3kW D2 DC PS, 5xFM-R4, 1xFCM, 1x7800-Sup1S (Secure Boot Enabled, Extended Rack Kit) |
| DCS-7812R4-BNDS-U | Arista 7812R4 Chassis bundle. Includes 7812 chassis, 10x3kW D1 AC PS, 5xFM-R4, 1xFCM, 1x7800-Sup1S (Secure Boot Enabled, Extended Rack Kit) |
| DCS-7812R4-BNDS-U-DC | Arista 7812R4 Chassis bundle. Includes 7812 chassis, 10x3kW D2 DC PS, 5xFM-R4, 1xFCM, 1x7800-Sup1S (Secure Boot Enabled, Extended Rack Kit) |
| DCS-7816LR4-BNDS-U [1] | Arista 7816LR4 Chassis bundle. Includes 7816L chassis, 12x3kW D1 AC PS, 5xFM-R4, 1xFCM, 1x7800-Sup1S (Secure Boot Enabled, Extended Rack Kit) |
| DCS-7816LR4-BNDS-U-DC [1] | Arista 7816LR4 Chassis bundle. Includes 7816L chassis, 12x3kW D2 DC PS, 5xFM-R4, 1xFCM, 1x7800-Sup1S (Secure Boot Enabled, Extended Rack Kit) |
| DCS-7804R4-BNDA-U [1] | Arista 7804R4 Chassis bundle. Includes 7804 chassis, 6x3kW D1 AC PS, 5xFM-R4, 1xFCM, 1x7800-Sup1A (Extended Rack Kit) |
| DCS-7804R4-BNDA-U-DC [1] | Arista 7804R4 Chassis bundle. Includes 7804 chassis, 6x3kW D2 DC PS, 5xFM-R4, 1xFCM, 1x7800-Sup1A (Extended Rack Kit) |
| DCS-7808R4-BNDA-U | Arista 7808R4 Chassis bundle. Includes 7808 chassis, 8x3kW D1 AC PS, 5xFM-R4, 1xFCM, 1x7800-Sup1A (Extended Rack Kit) |
| DCS-7808R4-BNDA-U-DC | Arista 7808R4 Chassis bundle. Includes 7808 chassis, 8x3kW D2 DC PS, 5xFM-R4, 1xFCM, 1x7800-Sup1A (Extended Rack Kit) |
| DCS-7812R4-BNDA-U | Arista 7812R4 Chassis bundle. Includes 7812 chassis, 10x3kW D1 AC PS, 5xFM-R4, 1xFCM, 1x7800-Sup1A (Extended Rack Kit) |
| DCS-7812R4-BNDA-U-DC | Arista 7812R4 Chassis bundle. Includes 7812 chassis, 10x3kW D2 DC PS, 5xFM-R4, 1xFCM, 1x7800-Sup1A (Extended Rack Kit) |
| DCS-7816LR4-BNDA-U [1] | Arista 7816LR4 Chassis bundle. Includes 7816L chassis, 12x3kW D1 AC PS, 5xFM-R4, 1xFCM, 1x7800-Sup1A (Extended Rack Kit) |
| DCS-7816LR4-BNDA-U-DC [1] | Arista 7816LR4 Chassis bundle. Includes 7816L chassis, 12x3kW D2 DC PS, 5xFM-R4, 1xFCM, 1x7800-Sup1A (Extended Rack Kit) |

## Line Cards

| | |
|---|---|
| DCS-7800R4C-36PE-LC | 7800R4 Series 36 port 800GbE OSFP line card for compute clusters (spare) |
| DCS-7800R4C-36PE-LC# | 7800R4 Series 36 port 800GbE OSFP line card for compute clusters (ships in chassis) |
| DCS-7800R4-36PE-LC | 7800R4 Series 36 port 800GbE OSFP line card (spare) |
| DCS-7800R4-36PE-LC# | 7800R4 Series 36 port 800GbE OSFP line card (ships in chassis) |
| DCS-7800R4K-36PE-LC | 7800R4 Series 36 port 800GbE OSFP line card with Enh. Encryption and Large Routes (spare) |
| DCS-7800R4K-36PE-LC# | 7800R4 Series 36 port 800GbE OSFP line card with Enh. Encryption and Large Routes (ships in chassis) |

1. Available in mid-2025

## Optional Components and Spares

| | |
|---|---|
| DCS-7804-CH | Arista 7804 chassis, 2 Supervisor slots, 4 line card slots, 6 Fabric Module slots, AC or DC option |
| DCS-7804R4-FM [1] | 7800R4 Series Fabric Module for 7804 Chassis, required for fabric slots 1-5 |
| DCS-7804-FCM [1] | 7800 Series Fabric Cooling Module for 7804 Chassis, required for fabric slot 6 |
| DCS-7808-CH | Arista 7808 chassis, 2 Supervisor slots, 8 line card slots, 6 Fabric Module slots, AC or DC option |
| DCS-7808R4-FM | 7800R4 Series Fabric Module for 7808 Chassis, required for fabric slots 1-5 |
| DCS-7808-FCM | 7800 Series Fabric Cooling Module for 7808 Chassis, required for fabric slot 6 |
| DCS-7812-CH | Arista 7812 chassis, 2 Supervisor slots, 12 line card slots, 6 Fabric Module slots, AC or DC option |
| DCS-7812R4-FM | 7800R4 Series Fabric Module for 7812 Chassis, required for fabric slots 1-5 |
| DCS-7812-FCM | 7800 Series Fabric Cooling Module for 7812 Chassis, required for fabric slot 6 |
| DCS-7816L-CH | Arista 7816L chassis, 2 Supervisor slots, 16 line card slots, 6 Fabric Module slots, AC or DC option |
| DCS-7816LR4-FM [1] | 7800R4 Series Fabric Module for 7816L Chassis, required for fabric slots 1-5 |
| DCS-7816L-FCM [1] | 7800 Series Fabric Cooling Module for 7816L Chassis, required for fabric slot 6 |
| DCS-7800-SUP1S | Supervisor1S module for 7800 series - 7808 and 7804 chassis (Secure Boot Enabled) |
| DCS-7816-SUP1S | Supervisor1S module for 7800 series - 7816L, 7816 and 7812 chassis (Secure Boot Enabled) |
| DCS-7800-SUP1A | Supervisor1A module for 7800 series - 7808 and 7804 chassis |
| DCS-7816-SUP | Supervisor1 module for 7800 series - 7816L, 7816 and 7812 chassis |
| PWR-D1-3041-AC-BLUE | Arista PSU, ATS, 1RU, AC, 3KW, BLUE |
| PWR-D2-3041-DC-BLUE | Arista PSU, DUAL INPUT, 1RU, DC, 3KW, BLUE |
| PWR-D4-3041-AC-BLUE | Arista PSU, ATS-HVAC-HVDC, 1RU, AC, 3KW, BLUE (Worldwide with 277VAC/380VDC support) |

1. Available in mid-2025

## Optional Components and Spares

| | |
|---|---|
| FAN-7800-HS | Spare fan module (for use in 7800-FCM modules and 7800R4-FM modules) |
| DCS-7800-SCVR | Blank cover for 7800 series supervisor slot |
| DCS-7800-PCVR | Blank cover for 7800 series power supply slot |
| DCS-7800-LCVR | Blank cover for 7800 series line card slot |
| KIT-7804 | Spare accessory kit for Arista 7808. 4 post mount. (16x SAF-D-C20, 4m) (Extended Depth Rails) |
| KIT-7808 | Spare accessory kit for Arista 7808. 4 post mount. (16x SAF-D-C20, 4m) (Extended Depth Rails) |
| KIT-7812 | Spare accessory kit for Arista 7812. 4 post mount. (20x SAF-D-C20, 4m) (Extended Depth Rails) |
| KIT-7816 | Spare accessory kit for Arista 7816. 4 post mount. (24x SAF-D-C20, 4m) (Extended Depth Rails) |
| KIT-7800-RK | Spare 4 post mounting kit for Arista 7800 series (Standard Depth [23.9 to 33.65 in / 60.6 to 85.5 cm]) |
| KIT-7800-RK# | Configurable 4 post mounting kit for Arista 7800 series (Standard Depth [23.9 to 33.65 in / 60.6 to 85.5 cm]) |
| KIT-7800-RK-L | Spare 4 post mounting kit for Arista 7800 series (Extended Depth [32.37 to 42.12 in / 82.3 to 107 cm]) |
| CAB-AC-20A-SG-C20-1M | Power cord, SAF-D-GRID to C20 (1m) |
| CAB-AC-20A-SG-C20-2M | Power cord, SAF-D-GRID to C20 (2m) |
| CAB-AC-20A-SG-C20-3M | Power cord, SAF-D-GRID to C20 (3m) |
| CAB-AC-20A-SG-C20-4M | Power cord, SAF-D-GRID to C20 (4m) |

## Warranty

The Arista 7800R4 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




www.arista.com

ARISTA