High Performance

- Up to 102.4 Tbps solutions
- High density, high radix 1600G/800G systems
- Fully liquid-cooled options available
- Up to 267MB fully-shared packet buffer
- Field-removable supervisor complex
- Field-removable AC or DC power (for air-cooled options)
- Support for 19" or 21" ORv3 deployments
- Wide ecosystem of connectivity options
  - LPO (Linear Pluggable Optics)
  - LRO (Linear Receive Optics)
  - FRO (Fully Retimed Optics)

Feature Rich

- Rich AI-centric feature set
- Advanced load balancing mechanisms
  - DLB (Dynamic Load Balancing)
  - CLB (Cluster Load Balancing)
- Advanced Congestion Management for NVMe and AI workloads
- MRC (Multipath Reliable Connection)
- Fast CNP (Congestion Notification Packet)
- CSIG (Congestion Signaling)
- Packet Spraying
- Packet Trimming
- PFC-aware DLB
- PFC-aware ECN
- Rich L2 and L3 features
- Large Scale ECMP
- Zero Touch Provisioning
- Smart System Upgrade

Arista 7060XE7 Series Introduction

The Arista 7060XE7 portfolio of platforms represents the next step in the evolution of the networking infrastructure. As AI clusters evolve at an unprecedented scale, the network is no longer just the connectivity layer - it is the critical backbone of the entire ecosystem.

Optimized for scale and power efficiency in fixed configurations, the 7060XE7 series offers unparalleled performance that serves as the essential building block for the latest and greatest AI clusters. Offering up to 102.4 Tbps throughput, the 7060XE7 series delivers the highest density of 1600G and 800G connectivity in single chip systems, and lays the foundation for tightly integrated rack-level solutions at scale.

The Arista 7060XE7 series offers a rich choice of port speed and density including support for 1600G, 800G, 400G, 200G and 100G connectivity options, enabling consistent network architectures that seamlessly scale from small dedicated clusters to the needs of the largest multi-tier, multi-planar architectures.

Arista 7060XE7 Series Deployment Flexibility

The Arista 7060XE7 portfolio of platforms delivers exceptional flexibility across every critical dimension, allowing it to integrate seamlessly into the most demanding deployments. For these next-generation networks, optimizing power and efficiency are as important as maximizing performance.

With that in mind, the 7060XE7 series introduces liquid-cooling for the very first time within the Arista portfolio, purpose built to support advanced XPU driven infrastructure. Flexibility is ingrained in every aspect of the design of these systems - air-cooled and liquid-cooled options, AC or DC power delivery, 19" or 21" width deployments. A field removable supervisor complex further enhances serviceability and adaptability, making it easy to align with a wide range of data center requirements while preparing for future needs.

Arista EOS

The Arista 7060XE7 Series is powered by Arista EOS, 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. EOS provides high availability and live software patching, a choice of L2 and L3 multi-pathing designs and powerful EOS innovations for visibility, application level performance monitoring, traffic management, rich telemetry, and virtualization.

In addition to Arista EOS, the Arista 7060XE7 Series also supports open source operating systems, while leveraging Arista blue box capabilities such as Arista Netdi or Network Diagnostics Infrastructure.

7060XE7 Series Systems

The Arista 7060XE7 Series support hot-swappable power supplies and fans, for the air-cooled options.

	7060XE7-64PS	7060XE7-64PRS	7060XE7-64PRS-RV3-L	7060XE7-128PE
Ports Description	64x 1600G OSFP-IHS	64x 1600G OSFP-RHS	64x 1600G OSFP-RHS	128x 800G OSFP-IHS
Size	4RU	4RU	2OU	4RU
Maximum 1600G Ports	64	64	64	—
Maximum 800G Ports	128	128	128	128
Maximum 400G Ports	256	256	256	256
Maximum 200G Ports	512	512	512	512
Maximum 100G Ports	—	—	—	512
Max Throughput (Tbps)	102.4 Tbps	102.4 Tbps	102.4 Tbps	102.4 Tbps
Total System Buffer	267 MB	267 MB	267 MB	267 MB
Latency	From 840 ns	From 840 ns	From 840 ns	From 840 ns
Cooling	Front to Rear Air-cooled	Front to Rear Air-cooled	100% Liquid-cooled	Front to Rear Air-cooled