

New enterprise-ready SC9000



With the SC9000, you can offer your largest customers a feature-rich, high-end storage array that easily and affordably scales as their business grows. Modular, enterprise-class hardware combined with a uniquely flexible software platform help customers integrate new technologies non-disruptively, allowing you to provide additional value in future.

- Intelligent automation optimizes performance and cost at same time, minimizing post-sale care
- Built-in auto-failover between like arrays meets important enterprise availability requirements
- 12Gb SAS backend, 4x the memory, and upgraded dual 8-core processors can deliver high IOPS and throughput at scale
- Easy data-in-place upgrade for SC8000 or Series 40 customers. Option to sell larger distributed or federated systems with other SC products

Target markets

Opportunity	Why you'll win
Larger Enterprise Customers	<ul style="list-style-type: none"> • Scales up to 3PB (960 drives per array) and OUT with multi-array federated systems • Always available storage with seamless disaster recovery, SSD and HDD SED options • Delivers up to 40%¹ more IOPS, over 110%² more throughput
Private Cloud, Flash deployments	<ul style="list-style-type: none"> • Flash performance with lower cost, even at scale. Leverages TLC and new compression capabilities for SSD and HDD arrays • Disaster Recovery (DR) with ZERO workload downtime • Feature rich private cloud solution: EM chargeback, multi-VLAN tagging and ecosystem integrations
Series 30/40, SC8000 customers	<ul style="list-style-type: none"> • Help current Dell Storage SC Series scale as required and achieve faster performance • No forklift upgrades and additional services capabilities • Perpetual software licensing

Problem setup statement

Looking into the future, big data, private cloud solutions and data-intensive applications continue to become more prevalent in today's world. Customers require massive scale UP and OUT solutions with the ability to respond to ever changing business demands.

Elevator pitch

Dell's new flagship controller provides the ideal solution for large-scale storage systems, high-end workload performance, and distributed enterprise environments. Whether you're building a private or hybrid cloud, a high-speed data analytics center, or a secure OLTP platform, SC9000 gives you fast, strong return on investment by optimizing, accelerating and protecting the data that's most important to your business goals.

Key features

- ✓ **Extreme performance + scalability** – Experience an all-flash and hybrid flash performance powerhouse with over 385K IOPS³ and support for SSD tiering across read-and-write-intensive drives including high-density, low-cost TLC media. Plus SC9000 scales up to 3PB and OUT with multi-array federated systems under unified management. It provides an ideal big data solution with rapid workload execution at any capacity.
- ✓ **Always available storage** – Seamless disaster recovery and auto-repair with ZERO workload downtime. Fail-safe reliability and security for non-stop business – including private cloud. FIPS-certified for government agencies. Full host-side data integrity for Oracle, Microsoft and VMware environments.
- ✓ **Automate your ROI** – Self-optimizing efficiency and flexibility accelerates/extends business outcomes. Modular hardware design, no forklift upgrades, data-in-place migrations, perpetual software licensing. Flexible architecture, broad third-party integrations. Auto-tunes your data center for maximum efficiency (data protection, intelligent deduplication and compression, RAID tiering, etc.). Plus award-winning Dell Copilot Services support.

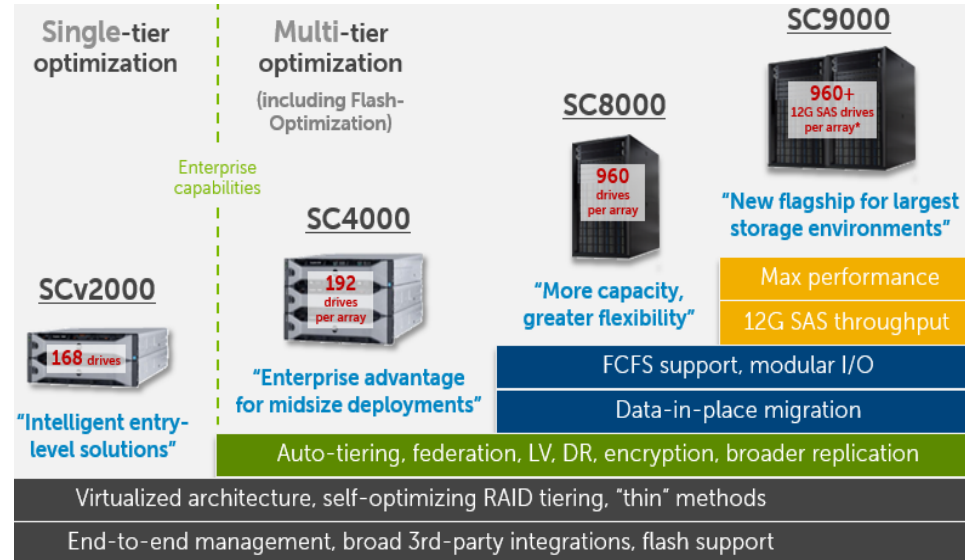


SC9000 Summary



Hardware Highlights	Software Highlights
Seven (7) IO card slots per controller (14 per system)	Supported by SCOS 7 <ul style="list-style-type: none"> • Live Volume with auto-failover • Deduplication and Compression for HDD and all-flash arrays • QoS and VVols Support • Live Migrate (Q3)
Up to 960 drives (3PB) per system	
Support for 12Gb SAS back-end connectivity	Unified Management with SC8000 and SC4020
NAS support via optional FS8600 front-end	Base + Expansion on Core Software Bundle Only <ul style="list-style-type: none"> • Per Drive License
128GB & 256GB memory options	
4Gb write cache card	Value-priced software feature bundles <ul style="list-style-type: none"> • SCOS Core Software Bundle • Storage Protection Bundle • Storage Optimization Bundle • Total Feature Bundle
Supported enclosures: <ul style="list-style-type: none"> • SC400/SC420 12Gb • SC200/SC220 6Gb • SC280 6Gb 	
Copilot enterprise support: Same range of options as the current SC8000 products	

Extending the SC Series into enterprise data centers



12Gb Expansion Enclosures

SC420: (24) 2.5" drive slots



SC400: (12) 3.5" drive slots



¹ Based on Dell internal testing in August 2015 comparing to the Dell SC8000. 100% reads, 100% sequential load, and 8K sector transfer size. Actual performance will vary based on configuration, usage and manufacturing variability.

² Based on August 2015 Dell internal testing of the SC9000 in all-flash environments with 12Gb SAS expansion enclosures and drives vs. SC8000 with 6Gb SAS equivalent. Tests were performed using sequential writes on standard Dell SSDs. Actual performance will vary based on configuration, usage and manufacturing variability.

³ Based on internal tests performed by Dell in August 2015 on dual SC9000 controllers with SCOS 6.7 using IOMeter. 100% reads, 100% sequential load, with 8K sector transfer size. Actual performance will vary based on configuration, usage and manufacturing variability.

