

SDS All-Flash Series

Evolooop Storage Solutions



KEY FEATURES

- Preconfigured Triple Parity RAID
- Include hot spare drive
- Inline compression + dedupe
- Online capacity expansion
- Thin and thick provisioning
- Workload profiles
- Unlimited snapshots
- Graphical reporting
- All-Inclusive licensing

SIMPLIFY IT OPERATIONS

- Turnkey storage solution that can serve data in minutes out of the box.
- Built-in intelligence to eliminate dozens of time-consuming tasks and decision points.
- Unify data services across SAN and NAS environments, both on the premises and in the cloud.

VIRTUALIZATION

- VMware
- KVM
- Citrix XenServer
- Microsoft Hyper-V

NETWORKING

- 10 GbE up to 100 GbE
- Jumbo frames
- IEEE 802.1q VLAN support

DISK MANAGEMENT

- Global hot spare
- Hot swappable drives
- Bad block scan + HDD S.M.A.R.T.
- Enclosure monitoring and alert LEDs
- Hard Drive Activity/Alert LEDs
- Hardware-Accelerated Disk Encryption (AES-NI)

Evolooop All-Flash arrays provides maximum performance, reliability, and availability for mission-critical operations. Our solution comes with a powerful web-based management console and white-glove enterprise support.

It has the ability to accommodate application, multi-protocol network and multi-format storage diversity (virtual volumes and traditional files) within a single 2U appliance. That provides business-enabled flexibility and helps IT simplify and consolidate their infrastructure.

Evolooop Hybrid storage solutions are designed to support high-performance and always-on data reduction.

All performance benchmarks are taken with data reduction feature on.

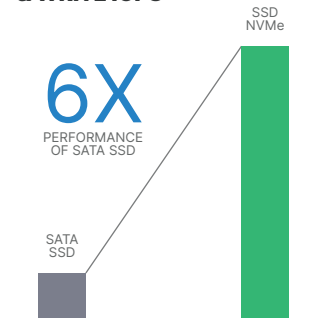
Performance Optimized

Sub-millisecond response time for performance-sensitive enterprise workloads.

Evolooop All-Flash storage helps eliminate data center storage bottlenecks and allows bigger and more affordable data sets. It can accelerate applications, reduce transaction costs for latency-sensitive workloads, and improve overall data center TCO.

Designed to meet today's increasingly demanding service levels and support broader cloud workloads, while reducing storage costs.

RANDOM READ & WRITE IOPS



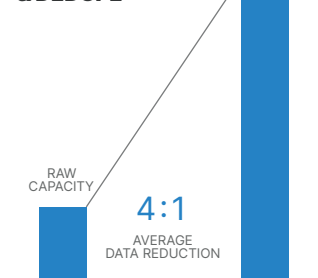
Data Reduction

Deduplication and compression are 100% inline and always on, thanks to dual Intel Xeon Scalable Processors acceleration.

Evolooop All-Flash arrays provide an average 4:1 data reduction with no performance loss.

Evolooop All-Flash storage supports multiple compression algorithms to achieve optimal data reduction with different kinds of data.

INLINE COMPRESSION & DEDUPE



Eternal Storage

Thanks to Triple Parity RAID our solution tolerates three simultaneous drive failures. Moreover, a Global Hot Spare drive adds additional data-loss protection.

NVMe SSD is optimized for cloud infrastructures and offering outstanding quality to minimize service disruptions.

The cardinal rule for enterprise storage systems is to never compromise when it comes to data integrity and resilience.

TRIPLE PARITY RAID & GLOBAL HOT SPARE



Graphical Dashboard

Evolooop Hybrid storage can be controlled and monitored with single pane view on all events, alerts and statistics via a graphical HTML5-based dashboard.

SIMPLIFIED CONTROL & MONITORING



Physical Parameters

Rack space: 2U

Dimensions (length x width x height):

27.76 x 17.2 x 3.5 " - 705,3 x 437 x 89 mm

Fully-loaded weight: 53 lbs - 24 kg

Rackmount rails: included



SDS All-Flash Series

F2020

F2040

F2080

Rack Space	2U			
Redundant Power Supplies	Yes			
CPU	2x Intel Xeon Scalable 2nd gen.			
RAM	256 GB	384 GB	512 GB	
Network	4x 10 GbE RJ45			
Network (option)	25 GbE – 40 GbE – 100 GbE			
NVMe SSD	24x 2 TB U.2 PCIe	24x 4 TB U.2 PCIe	24x 8 TB U.2 PCIe	
	min	10 TB	20 TB	40 TB
Storage License	max	40 TB	80 TB	160 TB
	Average Data Reduction**	4:1		
Average Effective Capacity	min	40 TB	80 TB	160 TB
	max	160 TB	320 TB	640 TB
Performance	Up to 3,840,000 IOPS. Based on specific workload.			
Triple Parity RAID	Yes			
Global Hot Spare	Yes			
Inline Compression	Yes			
Inline Deduplication	Yes			
Unlimited Snapshot	Yes			
Thin & Thick Provisioning	Yes			
Storage Protocols	iSCSI, NFS			
All-Inclusive Feature Licensing	Yes			

* All capacities are expressed in Base 10: 1 MB = 1,000,000 bytes.

** Average data reduction ratios are based on capacity savings from data deduplication and data compression. Actual data reduction ratios can vary and depend on individual environments and data structures.