

Storage Built for the Next Generation Data Center

Scale-out, all-flash storage that's highly available and easy to control — all with guaranteed performance.



Why SolidFire

The agility, efficiency, and scalability benefits demonstrated from cloud computing infrastructure have raised the bar on expectations for IT service delivery. The pressure is on IT to:

- Rapidly deploy applications and service
- Provide more agile and scalable infrastructure
- Increase application performance and predictability
- Enable automation and end-user self service
- Raise operational efficiency and reduce cost

SolidFire is architected from the ground up to be the storage foundation of next generation data centers.


SOLIDFIRE

Be fueled by SolidFire. Do what's never been done.

SolidFire Benefits



Consolidate

Reduce cost and complexity by safely consolidating mission-critical applications onto a single storage platform.



Automate

Increase productivity with deep infrastructure integrations.



Scale

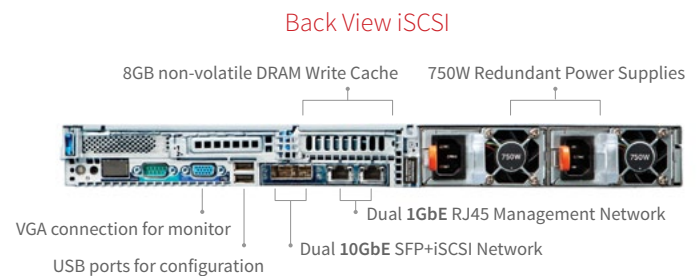
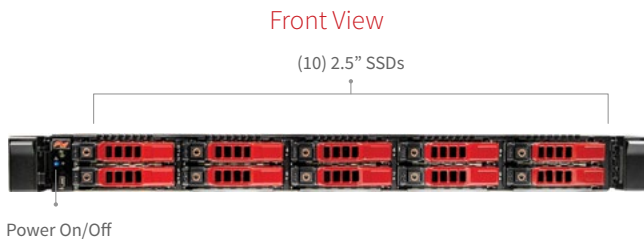
Dynamically scale storage resources to meet business demands.

All with Guaranteed Performance

ACHIEVE
GREAT FEATS
OF STORAGE

Node Specifications

	SF2405	SF4805	SF9605	SF9010	FC Node
	Storage Node	Storage Node	Storage Node	Storage Node	Fabric Interconnect
Drives	(10) 240 GB 2.5" SSD	(10) 480GB 2.5" SSD	(10) 960GB 2.5" SSD	(10) 960GB 2.5" SSD	N/A
System Memory / Read Cache	64GB	128GB	256GB	256GB	32GB
Usable Capacity	4.3TB	8.6TB	17.2TB	17.2TB	N/A
Effective Capacity	8.6TB	17.2TB	34.5TB	34.5TB	N/A
Performance per node	50,000 IOPS	50,000 IOPS	50,000 IOPS	75,000 IOPS	N/A
Networking	(2) 10GbE iSCSI SFP+, (2) 1GbE RJ45 management	(2) 10GbE iSCSI SFP+, (2) 1GbE RJ45 management	(2) 10GbE iSCSI SFP+, (2) 1GbE RJ45 management	(2) 10GbE iSCSI SFP+, (2) 1GbE RJ45 management	(4) 16Gb FC, (4) 10GbE iSCSI SFP+ (2) 1GbE RJ45 management
Average Watts	130W to 230W, depending on IO load	130W to 230W, depending on IO load	150W to 275W depending on IO load	150W to 450W, depending on IO load	120W to 200W, depending on IO load



Key Element OS Features

Automated Management

- Instant provisioning
- Automatic data distribution (no hot spots)
- Automatic load balancing
- Comprehensive cloud-based monitoring
- Comprehensive API
- Rolling / live upgrades
- Management integrations
 - VMware vCenter plug-in
 - VMware SRM/SRA
 - OpenStack driver
 - CloudStack plug-in
 - Microsoft VSS provider

Scale-out

- 10's of TBs to multiple PBs
- Non-disruptive scaling
- No downtime scaling
- Mix nodes in same cluster

Guaranteed Performance

- Allocate storage performance independent of capacity
- Manage performance in real-time without impacting other volumes
- Guarantee performance to every volume with fine-grain QoS settings

Global Efficiency

- Inline and post compression
- Always-on deduplication
- Global thin provisioning

Data Assurance

- Wear optimized for flash
- Automated drive/node rebuild
- 256-bit encryption-at-rest
- Role-based access controls
- Secure multi-tenant networking support
- Real-time replication (Async and Sync)
- Integrated backup and recovery (cloud)
- Rapid and space-efficient snapshots and clones