Datasheet

NetApp SolidFire

The storage foundation for your cloud infrastructure

Key Benefits

Independent Scale

- Add capacity and performance resources independently
- Grow from 10s of TBs to multiple PBs
- 92% less administrative time with non-disruptive scaling and no downtime

Constant Performance

- Guarantee application performance to thousands of apps simultaneously
- Manage performance in real time without impacting other volumes
- Reduce cost and complexity by consolidating workloads onto a single storage platform

Automation Integrations

- Use simple, comprehensive REST-based APIs and management tools
- Shrink repetitive administration tasks by 67%
- Up to 10x data reduction with always-on global deduplication, compression, and thin provisioning

Future-Proof Your Cloud Infrastructure

The pace of innovation has raised the bar on expectations for IT and service delivery. To cultivate business growth while meeting expected demands, IT architects are looking for new ways to scale dynamically in order to deploy applications faster while maintaining performance and enabling self-service models. While companies are increasingly looking toward the cloud to solve many of these problems, the speed of cloud adoption is limited by regulations, cost, and complexity.

The NetApp SolidFire all-flash storage system is architected for rapidly transforming environments. As the foundation for your private cloud infrastructure, SolidFire allows independent scaling, consistent performance, and automation integrations, giving your infrastructure the flexibility and consistency to scale as a service provider. SolidFire enables you to get closer to the speed and simplicity of business in the cloud while exceeding the demands of keeping your data on premises.

Fewer Headaches—More Customer Satisfaction

SolidFire simplifies how you grow your infrastructure, eliminating the pain and headaches of forklift upgrades. With the ability to mix nodes within a cluster, you can incrementally scale for performance or capacity, when your business demands it—no resource planning or downtime required.

Powered by Element® software, your SolidFire system will consistently deliver performance to hundreds of applications, through boot storms and unplanned events. Each volume is configured with minimum, maximum, and burst IOPS values through the Element quality of service settings, ensuring uptime across all applications running on a consolidated system.

The Element management frameworks provide both an intuitive web-based user interface and a robust REST-based API to automate every aspect of storage provisioning, management, and reporting. Its deep integration with industry-leading cloud, virtualization, and automation platforms minimizes development time and overhead, so that you can deploy applications and self-service faster.

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NetApp SolidFire Node Specifications

Each SolidFire storage node includes Element software and is available as an encrypted or unencrypted appliance.

	H-610S-1	H-610S-2	H-610S-4
		1U storage node*	
Drive Capacity	(12) 960GB	(12) 1.92TB	(12) 3.84TB
System Memory / Read Cache	256GB	384GB	704GB
Raw Capacity	11.52TB	23.04TB	46.08TB
Effective Capacity**	19.64TB	39.28TB	78.57TB
Performance Per Node		100,000 IOPS	
Networking		Data — (2) 25GbE iSCSI SFP28 Management — (2) 1GbE RJ45	
Power (Watts)	353.1W to 385.7W, depending on I/O load	393.1W to 425.7W, depending on I/O load	423.1W to 455.7W, depending on /IO load
Weight		18.37 kg (40.5 lbs)	

*Available as encrypted or unencrypted platform. Unencrypted model numbers are H610S-1-NE-P, H610S-2-NE-P, and H610S-4-NE-P.

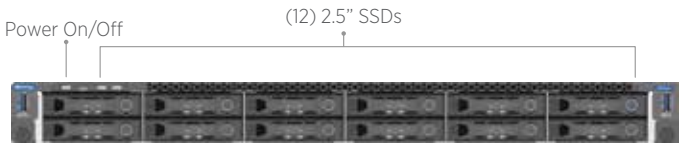
Two 1.5 meter C13 to C14 power cords included per node. Although NetApp provides one power cord type and length with shipment, customers can procure the power cords of their choice from outside vendors.

**SolidFire effective capacity calculation accounts for Helix® data protection, system overhead, and global efficiencies including compression, deduplication, and thin provisioning. SolidFire customers typically achieve an effective capacity range of 5x to 10x the usable capacity, depending on application workloads. Effective capacity based on 4:1 storage efficiency ratios with the maximum number of SSDs installed. Actual ratio may be 10:1 or higher, depending on workloads and use cases.

About NetApp

NetApp is the data authority for hybrid cloud. We provide a full range of hybrid cloud data services that simplify management of applications and data across cloud and on-premises environments to accelerate digital transformation. Together with our partners, we empower global organizations to unleash the full potential of their data to expand customer touchpoints, foster greater innovation and optimize their operations. For more information, visit www.netapp.com. #DataDriven

Front View



Rear View