Kaminario K2 All-Flash Array

System Specifications

	1 K-Block	2 K-Blocks	3 K-Blocks	4 K-Blocks
Footprint K-Blocks	4U	10U	14U	18U
Footprint +Exp.	6U	14U	20U	26U
Usable Capacity*	7TB-360+TB	14TB-720+TB	21TB-1.08+PB	28TB-1.44+PB
Media (encrypted)	480GB 3D MLC SSD / 960GB 3D MLC SSD / 1.92TB 3D MLC SSD			
Density TB/U	Up to 60TB			
IOPS	Up to 250K	Up to 500K	Up to 750K	Up to 1M
Bandwidth	Up to 3.2GB/s	Up to 6.4GB/s	Up to 9.6GB/s	Up to 12.8GB/s
Latency	0.35mSec			
Power (Max)	1.1KW-1.4KW	2.5KW-3.1KW	3.7KW-4.5KW	4.8KW-6.1KW
Power (Typical)	0.8KW-1KW	1.7KW-2.2KW	2.5KW-3.2KW	3.3KW-4.3KW
Cooling Max	3.9K-5K BTU/hr	8.6K-10.8K BTU/hr	12.4K-15.8K BTU/hr	16.4K-20.8K BTU/hr
Cooling Typical	2.7K-3.5K BTU/hr	6K-7.6K BTU/hr	8.7K-11.1K BTU/hr	11.4K-14.6K BTU/hr
Snapshots	Up to 8000 Snapshots			
Management	CLI (SSH), HTTP/HTTPS GUI, Scripting (SSH), RESTful API, VAAI, SNMP, Microsoft VSS, VMware vCenter Plug-in, VMware SRM			
Data Reduction	Global Selective Inline Deduplication, Inline Compression, Thin Provisioning			
Connectivity FC/iSCSI	FC: 4x 8Gbps iSCSI: 4x 10GbE	FC: 8x 8Gbps iSCSI: 8x 10GbE	FC: 12x 8Gbps iSCSI: 12x 10GbE	FC: 16x 8Gbps iSCSI: 16x 10GbE
Management Ports	2x 1GbE			

*Capacity is subject to drive size and the application data reduction ratio. For some datasets such as VDI the range will be higher.

Kaminario K2 Features

SYSTEM MANAGEMENT	The central principles of K2 management are simple. Administered via an intuitive browser-based GUI, K2's built-in intelligence automatically executes RAID optimization, performance tuning, data distribution, monitoring, and capacity management. K2 supports a fully scriptable CLI, RESTful APIs, VMware vCenter plug-in and Microsoft VSS.
NON-DISRUPTIVE UPGRADE (NDU)	Hardware expansions and software enhancements can be deployed with no interference to production and no dependencies on maintenance windows. Upgrades can incorporate any preferred mix of controllers and SSDs, including newly released processors and drive types.
THIN PROVISIONING	Maximize storage utilization using thin provisioning to assist long-term capacity planning. All base volumes, snapshots and replicas are thin provisioned, reducing required initial capacity and allowing measured, as-needed growth.
SNAPSHOTS	K2's patented native writeable thin-provisioned and space-efficient snapshots deliver concurrent storage efficiency, performance, and scalability. With substantial capacity savings compared to full clones, snapshots are often used to create additional data sets for backup, archiving, development and testing.
SELF-ENCRYPTING DRIVES	Always-on K2 encryption provides protection against data theft, securing data-at-rest with no performance impact. 256-bit AES keys SSD encryption protects all data in the array with no impact on performance.
HEALTHSHIELD™	The Kaminario K2 is designed to meet the most demanding enterprise application requirements. HealthShield's continuous call-home monitoring protection and analysis are the foundations for Kaminario world-class technical support. Proactive monitoring actively discovers and tracks events in real time, with many issues resolved remotely.

Product specifications and performance are subject to change without notice.

CONTACT KAMINARIO
A business development representative can answer your questions.

SCHEDULE A DEMO
An engineer will help you learn about Kaminario's solution.

REQUEST A QUOTE
The business development team can tailor a quote for your application

About Kaminario

Kaminario, the leading all-flash storage company, is redefining the future of modern data centers.
To learn more, please visit www.kaminario.com.

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