Kaminario K2 All-flash Storage for VDI

The Kaminario K2 all-flash array enables customers implementing virtual desktop infrastructure (VDI) to deploy their environment on the most cost-efficient all-flash platform in the industry. The K2 delivers consistent high performance and low latency, huge capacity savings on shared storage due to inline data-reduction features and the ability to scale-out and scale-up to match VDI's requirements for performance and capacity.

K2 Overview

The K2 all-flash array is the most cost-efficient general purpose storage platform that was designed from the ground up optimized for solid-state drive (SSD) flash storage and to accommodate multiple applications and workloads. Its unique scale-out/scale-up architecture allows the K2 to grow with customers' infrastructure needs, delivering agility and flexibility for today's demanding IT requirements.

VDI Powered by K2

Virtual Desktop Infrastructure, or VDI, brings the benefits of virtualization to end-user computing. It has the potential of enabling enterprise IT groups to easily provision and manage desktop computing while better utilizing IT resources of compute and storage. In other words, VDI has the potential to reduce the TCO of end-user computing within a business. However, virtualized desktop operation systems and applications generate a random blend of I/O requests with periodic storms from boot, login and shutdown, heavily stressing both VDI servers and their storage infrastructure. Kaminario's K2 all-flash array combines advanced availability and high performance with a very low price per GB using inline global deduplication, enabling VDI deployments to satisfy both demanding users and limited budgets.

SOLUTION SUMMARY

- Reduced storage costs with the benefit of flash storage and superior data reduction

- Consistent and predictable performance, for I/O storms

- Support VMware Horizon View and Citrix XenDesktop VDI implementations

- XenDesktop tested with Login VSI

Contact
Contact a business development representative to answer any questions you may have.

16

Schedule a Demo
Schedule a demo with an engineer and learn if Kaminario's solution works for you.

Request a Quote
Request a quote for your application from our business development team.

Major Solution Benefits

Cost-Efficient Flash Storage
K2's native inline deduplication reduces desktop capacity needs by 90% or more. Total deployment and operating costs can be two-thirds of legacy or hybrid storage arrays – after deduplication effective costs can be below $1 per GB or under $20 per desktop.

Consistent Low Latency and High Performance
VDI workloads can rely on K2's predictability, ensuring that virtual desktops remain responsive under extreme peak workloads.

Simplicity
K2 makes storage management simpler, eliminating any need for manual tuning. Integration with VMware and vCeneter plug-ins plus the browser-based K2 GUI speed deployments letting you manage your virtual desktop infrastructure from anywhere.

K2 System Specifications Summary

	1 K-Block	2 K-Blocks	3 K-Blocks	4 K-Blocks
Footprint	4U-8U	10U-18U	14U-26U	18U-34U
Usable Capacity*	7TB-360+TB	14TB-720+TB	21TB-1.08+PB	28TB-1.44+PB
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	0.35ms			
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

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

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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