

# Kaminario K2 All-flash Storage for VMware



## SOLUTION SUMMARY

- Reduced storage cost with benefits of flash storage
- Consistent and predictable performance for any VM, any workload
- Full support and compatibility for VMware components:
  - ESXi
  - VAAI
  - Site Recovery Manager
  - vSphere web plug-in
  - Horizon

The Kaminario K2 all-flash array enables VMware customers to deploy their environments on the most cost-efficient all-flash platform in the industry.

The K2 delivers consistent high performance and low latency for mixed workloads of virtualized environments.

With a seamless integration to VMware's products and a differentiated scalable architecture, the K2 all-flash array is the perfect companion to VMware administrators.

## 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 requirement.

## VMware Powered by K2

Deployment and administration of virtual machines becomes quick and hassle-free when running VMware on the K2. Consolidate mission-critical applications with mixed workloads with no storage tuning whatsoever to achieve consistent and predictable latency. The K2 can easily scale to support performance and capacity requirements for thousands of VMs. Inline data reduction features such as deduplication and compression make the K2 the ideal choice for hosting also VDI deployments of any size. With native array replication that supports SRM, full VAAI support and a vSphere web plug-in, the K2 will be the only storage platform needed to power any type of VMware environment.



Kaminario is an Elite member of the VMware TAP program



### Contact

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



### 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 architecture delivers flash storage for the price of hard disk drives (HDDs), removing the cost barrier of transitioning from HDD or hybrid based storage arrays.

With K2's Assured Scale™, Kaminario is able to continuously deliver the most cost-efficient flash storage in the market, eliminating forklift upgrades and disruptive storage replacements.

### Consistent Low Latency and High Performance

VMware generated workloads can rely on K2's predictable performance for any workload. Boot-storms of VDI deployments are handled in parallel to demanding database workloads, delivering sub-millisecond latency. High and consistent throughput enables fast movement of data, in addition to storage offload capabilities. As your business grows, your virtual environment will require more capacity and performance. Easily scale the K2 with additional storage controllers and SSD shelves to achieve the same performance service level agreement (SLA) for multiple environments.

### Resiliency

The K2 all-flash array delivers enterprise grade resiliency with 99.999% of availability. K2's all-inclusive features include: K-RAID™ that eliminates complicated RAID management, native replication that is supported by VMware's Site Recovery Manager (SRM), non-disruptive upgrades (NDU) of software and hardware, hot-swappable components and a cloud-based HealthShield™ support platform.

K2 Gen6 All-Flash Array Specifications				
Scaled Configuration	1 K-Block	2 K-Blocks	3 K-Blocks	4 K-Blocks
Usable Capacity*	30TB - 1PB	60TB - 2PB	90TB - 3PB	120TB - 4PB
IOPS	Up to 370K	Up to 740K	Up to 1.1M	Up to 1.5M
Throughput	Up to 6.2GB/s	Up to 12.4GB/s	Up to 18.6GB/s	Up to 25GB/s
Latency	0.35ms			
Media (encrypted)	480GB / 960GB / 1.92TB / 3.84TB 3D TLC NAND SSDs			
Connectivity FC/iSCSI	FC: 4x 16Gbps iSCSI: 4x 25GbE	FC: 8x 16Gbps iSCSI: 8x 25GbE	FC: 12x 16Gbps iSCSI: 12x 25GbE	FC: 16x 16Gbps iSCSI: 16x 25GbE

\*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](http://www.kaminario.com).