

# Kaminario K2 All-Flash Storage for MongoDB



## SOLUTION SUMMARY

- Reduced storage cost with benefits of flash storage
- Consistent and predictable database behavior
- Agility and resiliency to support increased productivity

The Kaminario K2 all-flash array enables MongoDB customers 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 MongoDB's requirements for performance and capacity.

## About MongoDB

MongoDB makes development simple and beautiful. For tens of thousands of organizations, MongoDB provides agility and the freedom to scale. Fortune 500 enterprises, startups, hospitals, governments and organizations of all kinds use MongoDB because it is the best database for modern applications. Through simplicity, MongoDB changes what it means to build. Through openness, MongoDB elevates what it means to work with a software company.

## 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.



## KAMINARIO AS A MONGODB ENTERPRISE CERTIFIED SOLUTION PARTNER

Kaminario has certified K2 on the latest versions of MongoDB including version 3.2. The MongoDB Enterprise Certification Program reviews and certifies technologies against a comprehensive suite of integration best practices.



### 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 direct-attached storage (DAS) to SSD shared storage. MongoDB-based applications can now benefit from large scale deployments without the complexities, inefficiencies and cost of maintaining DAS storage at scale.

### Consistent Low Latency and High Performance

MongoDB workloads can rely on K2's predictability, dramatically reducing transaction response times with consistent sub-millisecond latency. High and consistent throughput enables real-time analytics processing with the ability to support demanding performance service level agreements (SLAs) for multiple environments.

### Resiliency

The K2 is the only all-flash platform that meets MongoDB's scale requirements with no compromise on resiliency. Kaminario's SPEAR™ architecture delivers data protection services including K-RAID, snapshots and replication to support mission-critical production workloads.

## Case Study

### Challenged by Growth and Consistency

Using MongoDB as part of their SaaS based product, a global payment company was experiencing rapid growth. Its existing storage infrastructure was not able to accommodate the growth and performance, mainly latency, started to degrade. Expanding the current platform required a forklift upgrade and costly down-time for migrating data between storage platforms.

### Kaminario K2 Enables Growth and Storage Future

K2's scalability enabled the business to deploy new environments as customer base kept growing. Online expansion of capacity and performance were carried out non-disruptively, delivering the same consistent sub-1ms latency which benefited more customers getting paid or transferring payments.

## 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).