

Violin 6000 All Flash Array

Accelerate your business and reduce your infrastructure costs with the data center storage designed for mixed and multiple workloads.

Highlights

Application Acceleration

- **Tier-1 storage for business critical applications**
- **Best value for performance demanding environments**
- **Full redundancy for mission critical deployments**

Performance

- **Up to 1 Million IOPS**
- **Latency in hundreds of microseconds**
- **Up to 70TB of raw flash capacity**
- **Only 3 Rack Units (3RU)**

Applications

- **Mixed workloads welcome**
- **Transactional database workloads**
- **Latency sensitive applications**
- **Real-time Big Data Analytics**
- **Performance Cloud Storage**

Enterprises increasingly expect and depend on real-time transaction processing and real-time insights from their IT infrastructure. However, delivering on these business expectations at significant scale has historically been difficult due to cost and technical limitations. Violin 6000 Series All Flash Arrays allow you to overcome these challenges and simply run all your applications and reporting systems at flash speed with higher consolidation ratios, higher levels of availability and lower overall costs than legacy disk, hybrid or SSD-based solutions.

Violin 6000 Series All Flash Arrays are comprised of three members that provide excellence in data center storage. The 6600 has SLC flash for ultimate performance, and should be used where latency or resiliency are the primary requirements. The 6200 has excellent performance and enterprise capacities making it the workhorse of the data center, perfect for mixed and multiple workloads. The 6100 delivers a mid-market enterprise solution with the right combination of price, performance and capacity. Violin unique patented capabilities found on all 6000 arrays ensure that you get high availability, sustained performance, and lowest cost for all your applications, physical or virtualized.

Data Center Workloads

There are a number of all-flash arrays available today. Only one has Violin's Flash Fabric Architecture™ (FFA) which provides the performance, resilience and low operating costs that enterprises demand. The FFA does not use SSDs, but rather mounts flash chips on our specially designed cards connected to our optimized backplane designed with multiple internal paths, redundancy, and specialized controllers to get the most from flash technology. The result is consistent low latency, high bandwidth, hot plug components and low operating costs due to high density for an enterprise storage solution that enables new levels of consolidation for multiple, mixed workloads.

The 6000 Series All Flash Arrays with FFA deliver massive performance and capacity density (up to 70TB in 3 rack units) at a fraction of the power and cooling requirements of alternative solutions. Additionally, Violin Memory Operating System (vMOS) software allows you to run I/O intensive workloads with the data services you need. All software and firmware (down to the flash controller firmware on the Violin Intelligent Memory Modules) can also be upgraded without application downtime (NDU).

Violin's 6000 All Flash Arrays provide the foundation for significant data center consolidation by reducing the I/O wait times that your applications need to endure. The net benefit is a lower TCO supported by consolidation costs savings from all layers of your IT infrastructure: storage, server consolidation, and application software license reductions. The Violin 6000 is designed for mixed and multiple workloads that enable the all flash data center.

Violin Memory means Business in a Flash.

