

### InfinitiFlash

The InfinitiFlash system contains all the hardware necessary for hyperscale applications.

#### InfinitiFlash System Product Specifications

**Capacity**  
Maximum raw capacity  
18PB maximum

**Performance**  
Sustained read throughput  
100 MB/s (100,000 IOPS)  
Sustained write throughput  
100 MB/s (100,000 IOPS)  
Random read IOPS  
1,000,000  
Random write IOPS  
1,000,000  
Latency  
100µs

**Features**

- Massive capacity and density  
- Up to 18PB in 3U chassis  
- 6TB active tape cells, up to 64 per chassis
- High, sustainable performance  
- 780k sustained IOPS
- Enterprise class reliability, availability, and serviceability  
- Fully hot-swappable, redundant economics
- Breakthrough storage economics

**Benefits**

- Fast access to data, opens new world of applications and services
- Scalable performance
- Simple to scale and manage
- Low-cost management of Big Data
- Low power and operating costs
- Transforms global workloads, speeding time to market, innovation and competitive advantage

**Flash Innovation for New Workloads**  
The InfinitiFlash, all-flash storage system empowers large-scale infrastructure and data center architects to deliver massive scale-out storage solutions. Stemming from decades of research and proven industry-leading SanDisk flash solutions, the InfinitiFlash platform builds a path to next-generation data center architectures capable of supporting workloads with instant access to petabytes of data.

**Future-Proofed Data Centers**  
The massive scale-out architecture of the InfinitiFlash platform supports agile, robust, and easy scaling of stored content. Unlike traditional tiering, the single all-flash SanDisk storage platform makes it possible to scale capacity while still storing high quality of service with consistent, high performance to all applications. Data center managers can keep up with data growth without the complexities of tiering applications or compromising access speeds for applications.

**Best Value, Best Time to Insight**  
Data delivers value only when insights can be extracted. Maximum value requires rapid time to insight. InfinitiFlash systems reduce the processing time for big data from weeks to hours. Compared to other technologies, the all-flash solution invests quickly and scales to instantly extract value from the largest data and hyperscale environments. Large-scale consolidation of storage enables TCO benefits through efficient consolidation and independent growth of compute tailored to application requirements.

**All-Flash Storage System for Big Data**

**InfinitiFlash™**  
All-Flash Storage System for Big Data

**Available from SanDisk partners**

### Award-winning all-flash performance for mission critical applications

## SanDisk ION Accelerator™

Application Acceleration for Databases  
Shared All-Flash Storage  
Reduced Total Cost of Ownership

The SanDisk ION Accelerator delivers game-changing performance for database applications. Consisting of SanDisk ION Accelerator™ 2.5D software and Fusion all-flash storage, available in quantities of 2, 4, 6, and 10 cards, it provides shared choice of capacity which is highly available and performance optimized for use with a InfiniBand and 60Gb iSCSI.

**SanDisk ION Accelerator Performance Architecture**  
Developed from the ground up for performance, SanDisk ION Accelerator's design encompasses a streamlined, innovative SanDisk ION Accelerator 2.5D software stack that eliminates bottlenecks, taking advantage of our low latency Fusion all-flash products.

- Enables server-side Fusion all-flash to be shared storage for database acceleration
- Delivers a high performing 1B million sequential IOPS, 250GB sequential bandwidth and 85 microsecond low latency for random workload (random workload)
- Efficient density with incremental low latency for random workload (random workload)
- Multi-line PCIe architecture scales performance with capacity and reduces bottlenecks from server storage protocol interfaces used by other systems
- Durability with proven Fusion all-flash memory data protection technology such as Adaptive Flashback
- Deployment in standalone or high-availability mode. With High-Availability, SanDisk ION Accelerator seamlessly accelerates performance for volumes distributed across two systems.

**Database Acceleration**  
The SanDisk ION Accelerator enables top database applications to run at the highest levels of performance. For applications environments ranging from OLTP (Oracle®), SQL Server, Oracle RAC to OLAP (SAP HANA), the SanDisk ION Accelerator delivers exceptional acceleration. And, it seamlessly integrates with Oracle Enterprise Manager to deliver simple capacity planning and historical performance monitoring.

**SanDisk**