

# Seagate Data Management Features

**Efficient control in both high-performance and high-capacity environments**

Seagate invests in R&D at an industry-leading pace to understand how products are deployed in various markets. This uniquely positions Seagate to deliver purpose-built products that solve real-world problems.

One example of this is our RAID systems. Powered by intelligent firmware that enables high-capacity systems to reach lightning-fast 600K IOPS at only 1ms latency, every enterprise can access applications and critical data when they need it most.

Seagate firmware includes data management features that enable exceptional performance and groundbreaking capacity to the enterprise data center. Enterprises need no longer make a tradeoff between the two. Continuous performance improvement and availability of enterprise-grade features, at entry-level cost, is the hallmark of firmware upgrades from Seagate. Enterprises can easily implement the newest technology, as soon as it is available.

Get the same lightning-fast performance in high-capacity systems that is available in standard-density systems.



**SEAGATE HYBRID-FLASH  
ARRAYS WITH 12G  
CONTROLLER**

**Exos® E 2U12: Up to 192TB\***

**Exos E 2U24: Up to 384TB\***

**SEAGATE ALL-FLASH  
ARRAY WITH 12G  
CONTROLLER**

**Nytro® X 2U24: 600K IOPS**

**SEAGATE HIGH DENSITY**

**Exos X 5U84: Up to 1.3PB\***



## Data Protection Scales to Any Density

Our patented Seagate ADAPT data protection boasts 95% faster rebuild times than traditional RAID solutions. Dispersed implementation distributes data across every drive in the pool, not just a subset, to create a self-healing storage solution that makes time to fault tolerance measured in minutes, not days. Use in HDD, SSD, or hybrid configurations.



## Multicore Capabilities for Processing Efficiency

Available across our entire systems line, not just standard-density solutions, this feature allows multiple cores to do the heavy lifting on processing. This efficient paradigm enables lightning-fast 600K IOPS that is tested across our product line.



## Real-Time Tiering for Distributing Data

Seagate firmware leads the industry in tiering data, so that high-performance SSDs are used only for the most critical, or *hot* data. This unique feature automatically tiers between SSDs and hard drives—as opposed to a batch-migration process. Seagate’s tiering software recognizes incoming data patterns and distributes data on the most appropriate tier to provide optimal performance.



## Security Features to Meet Growing Cybersecurity Concerns

Seagate builds security into the foundation of our storage systems as an extra layer of protection against growing cyber security threats. Our firmware includes both STFP and advanced administrator access controls, while our self-encrypting drives provide an extra measure of security.



## Facing Streaming Challenges Head-On

Our firmware’s streaming features allow end users to access the data they need, when they need it, especially in high-throughput media environments. An advanced *quick lock* system, intelligent stream recycling, cache watermark, and a dynamic read-ahead governor all make streaming data through our systems efficient, fast, and reliable.

For information on how to buy Seagate systems, or arrange expert consultation.  
Visit [seagate.com/enterprise-storage/systems/](https://www.seagate.com/enterprise-storage/systems/)

