

Product Overview

Savvio 10K.2

Boost performance density while cooling systems down

**2.5-Inch Enterprise • 146 GB and 73 GB •
10K RPM • 3-Gb/s SAS**

Key Features and Benefits

- Seagate® Savvio® 10K.2 drives are 70 percent smaller than 3.5-inch 10K drives and enable cooler, faster and much more reliable systems.
- The Savvio 10K.2 drive consumes less power, creates less heat to cool and enables more airflow to cool processors.
- The Savvio 10K.2 has a higher reliability rating than any 3.5-inch drive and the best nonrecoverable error rate, improved by a factor of 10, which rigorously safeguards data.
- More drives per system than 3.5-inch drives allow RAID 5, or mirroring with hot spares, in 1U servers. Savvio 10K.2 drives bring enterprise-class reliability to blade servers.
- The Savvio 2.5-inch form factor enables integration of more drives into smaller, more space-efficient chassis sizes to deliver higher IOPS/U than conventional 3.5-inch systems, and the smaller form factor allows more memory in the system to match faster processors.

Best-Fit Applications

The Savvio 10K.2 drive is designed for mainstream enterprise applications:

- Email/collaboration
- Database
- Transaction processing
- Rack and tower servers
- Blade servers
- Storage arrays
- Space-constrained specialty applications



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Product Description

The Seagate Savvio 10K.2 hard drive is 70 percent smaller than 3.5-inch drives, consuming less power and enabling more airflow to cool processors. The 2.5-inch Savvio 10K.2 drive enables more drives per system, increasing RAID options and performance per U. With a record-breaking reliability rating and the best nonrecoverable error rate in the world, the Savvio 10K.2 drive delivers high reliability and improved performance density in a cooler running system. The Savvio 10K.2 drive is available in 73-GB and 146-GB capacities with a 3-Gb/s Serial Attached SCSI (SAS) interface. For all these reasons, Savvio is fast becoming the drive of choice for enterprise servers.

The Seagate Advantage

- Seagate pioneered the 2.5-inch enterprise platform with great success. This second-generation drive builds on that success with a new, record-breaking reliability rating and the addition of the 15K-RPM line of Savvio drives.
- The Savvio 10K.2 drive is a breakthrough product in hard drive reliability and is offered by a trusted partner.
- Perpendicular recording enables the highest enterprise SFF capacity ever—146 GB—and up to 25 percent faster sequential performance than the previous Savvio drive.

- Seagate offers a complete line of 2.5-inch enterprise drives. The Savvio 10K.2 drive has capacities up to 146 GB, and the Savvio 15K drive delivers the fastest performance in the world.

Enabling New Opportunities

- Solution designers value the design flexibility to provide more competitive solutions afforded by the smaller size, lower power consumption, greater performance and greater reliability of Savvio 10K.2 drives.
- The Savvio 10K.2 drive's 70 percent smaller size enables more airflow to cool processors and enables more room for more memory to further increase system performance.
- The Savvio 10K.2 drive provides the highest reliability, ensuring higher uptime in rigorous enterprise environments.
- The Savvio 10K.2 drive allows RAID 5, or mirroring with hot spares, in 1U servers. Savvio 10K.2 drives bring enterprise-class reliability to blade servers.

www.seagate.com

1-800-SEAGATE (1-800-732-4283)

Specifications	
Capacity (GB)	146, 73
Seek Time, Read/Write (average, ms)	3.8/4.4
Transfer Rate, Max. Sustained (MB/s)	89
Reliability Rating at Full 24x7 Operation (AFR)	0.55%
Nonrecoverable Read Errors per Bits Read	1 sector per 10E16
Power Consumption (W, idle)	5.2 (146 GB), 5.1 (73 GB)
Interface	3 Gb/s SAS
Warranty, Limited (years)	5

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