

Product Overview

Savvio 10K0.2

Boost performance density while cooling systems down

146GB and 73GB • 10K RPM • 3 Gb/s Serial Attached SCSI (SAS)

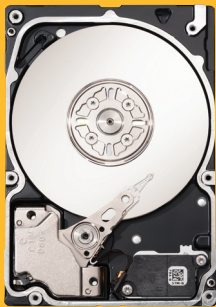
Key Features and Benefits

- Small form factor and lowest power consumption of any enterprise drive yield better system airflow and cooler operation, enabling use of more powerful and hotter-running processors.
- Sets new record for highest reliability rating ever achieved by a disc drive; brings enterprise-class storage to blade servers, reducing blade failures and replacements
- Perpendicular recording is fundamentally superior, enabling higher capacities and up to 41 percent faster sequential performance than the previous generation of Savvio drives.
- 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.

Best-Fit Applications

Applications utilising high-density configurations where IOPS performance, energy efficiency and space-saving design are key, such as:

- Rack-optimised servers
- 1U RAID servers
- Blade servers
- Rack-optimised storage arrays
- Space-constrained specialty applications



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Product Description

The second-generation Seagate® Savvio 10K.2 enterprise disc drive combines the coolest operating temperatures with a history-making reliability rating to ensure unrivalled efficiency in high-density storage environments. Using perpendicular recording to double its available capacity to 146GB, Savvio 10K.2 also delivers up to 41 percent higher sequential performance. Savvio enables space-constrained Fortune 2000 data centres to achieve higher IOPS performance in small form factor system configurations while maintaining unprecedented levels of reliability, including a non-recoverable error rate that has been improved by a factor of 10.

The Seagate Advantage

- Coolest-running enterprise drive enables systems to employ more powerful and hotter-running processors.
- Perpendicular recording enables highest enterprise SFF capacity ever—146GB—and up to 41 percent faster sequential performance than the previous Savvio drive.
- Savvio 10K.2 is a breakthrough product in disc drive reliability and is offered by a trusted partner.

Enabling new Opportunities

- Savvio 10K.2 is a cool-running SFF enterprise drive, reducing system temperatures and power consumption while enabling improved airflow.
- Savvio 10K.2 brings true enterprise-class performance and reliability to blade servers.
- Savvio 10K.2 boasts a record-breaking reliability rating, ensures higher uptime in rigorous enterprise environments.
- Savvio 10K.2 enables full RAID 5 functionality in a 1U server, consuming less power while delivering more IOPS than a conventional 3.5-inch 2U server.

www.seagate.co.uk

00-800-6890-8282

Specifications	
Capacity (GB)	146, 73
Seek Time, Read/Write (average, ms)	3.8/4.4
Transfer Rate, Sustained (MB/s)	Up to 89
Reliability Rating at Full 24x7 Operation (AFR)	0.55%
Non-recoverable Read Errors per Bits Read	1 sector per 10E16
Power Consumption (W, idle)	5.7 (146GB), 5.4 (73GB)
Interface	3-Gb/s Serial Attached SCSI (SAS)
Warranty (years)	5

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