Seagate

Product Overview

SAVVIO 10K.2

Boost performance density while cooling systems down

146GB and 73GB • 10K RPM • 3 Gbit/sec Serial Attached SCSI (SAS), 4 Gbit/sec Fibre Channel

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

- Rack-optimized servers
- 1U RAID servers
- Server blades
- Rack-optimized storage arrays
- Space-constrained specialty applications

Seagate
5-Year
Warranty

SAVVIO 10K.2

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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. Utilizing perpendicular recording to double its available capacity to 146GB, Savvio 10K.2 also delivers up to 25 percent higher sequential performance. Savvio enables space-constrained Fortune 2000 data centers to achieve higher IOPS performance in small form factor system configurations while maintaining unprecedented levels of reliability, including a nonrecoverable error rate that's been improved by a factor of 10.

The Seagate Advantage

- Coolest-running enterprise drive enables system to employ more powerful and hotter-running processors.
- Perpendicular recording enables highest enterprise SFF capacity ever—146GB—and up to 25 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 the coolest-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.com

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

Specifications

Capacity (GB)	146, 73
Seek Time, Read/Write (average, msec)	3.8/4.4
Transfer Rate, Sustained (Mbytes/sec)	Up to 85
Reliability Rating at Full 24x7 Operation (AFR)	0.55%
Nonrecoverable Read Errors per Bits Read	1 sector per 10^{16}
Power Consumption (W, idle) SAS	5.0 (146GB SAS), 4.8 (73GB SAS)
Interface	3 Gbit/sec Serial Attached SCSI (SAS) 4 Gbit/sec Fibre Channel
Warranty (years)	5