

## Product Overview

# Savvio® 10K.3

## Lowest-power, high-capacity 2.5-inch drive for the enterprise

### Key Features and Benefits

- Seagate® PowerTrim™ technology dynamically reduces power
- 75% power savings over comparable 3.5-inch, 300-GB drives
- 70% smaller size over 3.5-inch drives reduces overall system cooling costs
- 40% reduction in £/IOPS over comparable 3.5-inch drives
- 60% improvement in system-level performance over 3.5-inch, 15K drives
- Third-generation 2.5-inch, 10K-RPM enterprise drive with proven reliability
- Supports 6-Gb/s transfer rates and SAS 2.0 feature set
- Self-Encrypting Drive (SED) option cuts IT drive retirement expenses while protecting data securely and is one of the easiest, most cost-effective security measures you can implement\*
- Delivers on Seagate unified storage architecture strategy to converge best-in-class technologies (Serial Attached SCSI, small form factor and SED security\*) to enable powerful, yet simple, external storage and internal server storage solutions that strengthen business efficiencies while cutting TCO and boosting ROI

### Key Applications

- Mainstream enterprise servers and storage arrays
- Power-constrained data centres
- Databases
- Transaction processing
- Rack, tower and blade servers
- Space-constrained data centres
- Government-grade, data-at-rest security when drives leave your control\*
- Drive retirement cost reduction and drive life extension strategies\*

\*Requires TCG-compliant host or controller support



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## Lower power, higher performance

The Seagate Savvio 10K.3 drive offers the best combination of power efficiency and enterprise performance, with up to 300 GB of capacity for mainstream server and external storage applications for the enterprise. The Savvio 10K.3 drive with PowerTrim technology uses 75 per cent less power than a 3.5-inch 15K drive for the lowest power profile of any Tier 1 mission-critical drive. It is 70 per cent smaller than a 3.5-inch drive, enabling more system airflow, which results in lower cooling costs. This third-generation Savvio drive gives you more than twice the number of drives over 3.5-inch products within the same rack configuration and delivers a staggering 60 per cent system-level performance increase. This is especially important in high-performance and blade servers demanding optimised RAID performance per U. These 2.5-inch advantages translate into greater overall value and reduced total cost of ownership for IT organisations and administrators who wish to optimise their data centre's power and performance efficiency.

Specifications	
Capacities (GB)	300 and 146
Interface	SAS 2.0 (6 Gb/s)
Cache (MB)	16
Spindle Speed (RPM)	10,000
Power (W, idle)	3.5 (300 GB), 3.2 (146 GB)

## Ready for high-end networks

The industry's first 2.5-inch drive to implement the new SAS 2.0 feature set and the world's first drive to operate at 6-Gb/s transfer rates, the Savvio 10K.3 drive is ideally suited for use in high-end network storage applications. The SAS 2.0 feature set and 6-Gb/s transfer rate support larger topologies by connecting more expanders, host bus adapters and RAID controllers, within or across more storage arrays, by communicating over longer distances with high signal integrity, and by moving data twice as fast, thereby doubling data throughput.

## Government-grade security available

Delivering on the Seagate commitment to add security features throughout its product portfolio, the Savvio 10K.3 drives are offered with an SED option that provides government-grade data-at-rest protection throughout each drive's entire life cycle.\*

\*Requires TCG-compliant host or controller support

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