

Product Overview

Savvio® 10K.4

The 2.5-inch hard drive transition enabler for enterprise external storage solutions

Key Features and Benefits

- World's highest-capacity SFF drive (up to 600GB) reduces \$/GB costs
- 20 percent higher reliability than any other drive available and the industry's first 2M-hour MTBF drive to provide 0.44 percent AFR
- Second-generation 6Gb/s SAS with dual-port communication and first SFF hard drive with 4Gb/s FC support
- SFF and low power consumption reduce user cooling and energy costs
- PowerChoice™ feature for T10-compliant power management enables IT organizations to tailor systems for performance and power consumption.
- Protection Information (PI) option detects corruption of data in flight between the host system and the drive.*
- Head ramp load/unload feature for improved device handling reliability
- TCG-compliant, Self-Encrypting Drive (SED) security option (SAS models only) eliminates the need to overwrite or physically destroy drives, enables safe return of drives for warranty or expired lease purposes, and enables secure repurposing or sale of drives.†
- Enables OEMs and system designers to design external storage solutions for organizations with green IT strategies, data-at-rest concerns, and power- or space-constrained IT environments
- OEMs, system designers and IT organizations can reduce system complexity and standardize on common form factors, interfaces and security standards.

Best-Fit Applications

- Mainstream enterprise external storage arrays (SAN, NAS, DAS)
- Power- and/or space-constrained data centers
- Drive life extension and drive retirement simplification strategies‡

*Protection Information (PI) feature requires PI-compliant host or controller support.

†Self-Encrypting Drive (SED) option requires TCG-compliant host or controller support.



Savvio® 10K.4

The 2.5-inch hard drive transition enabler for enterprise external storage solutions



Ideal for Enterprise NAS, SAN and DAS Solutions

This fourth-generation Seagate® Savvio® 10K.4 drive provides the highest capacity and best reliability available in a small form factor, 10K-RPM enterprise hard drive. This drive enables 3.5-inch to 2.5-inch form factor transition and widespread market adoption of 2.5-inch-based external storage solutions for enterprise OEMs, system designers and end-user organizations.

Best-in-Class Capacity and Reliability

The Savvio 10K.4 drive reduces \$/GB costs for enterprise OEMs and system designers by delivering up to 600GB user capacity. The Savvio 10K.4 drive is the world's first enterprise drive to support 2M-hour mean time between failures (MTBF) and an annualized failure rate (AFR) of 0.44 percent—a staggering 20 percent improvement over any other drive available—further extending the Savvio product family's field-proven and industry-leading reliability. It also provides a head ramp load/unload feature that moves the arms and heads away from the media for improved device handling reliability.

The Savvio 10K.4 drive is the second generation to support 6Gb/s SAS, with dual-port communications to improve interface reliability, speed, data integrity and system scalability. It is also the world's first 2.5-inch hard drive to offer fibre channel interface support (4Gb/s FC).

Specifications	
Capacities (GB)	600 and 450
Interface	6Gb/s SAS, 4Gb/s Fibre Channel
Cache (MB)	16
Spindle Speed (RPM)	10,000
Power (W, idle)	4.5

Power, Integrity, Security and More

Designed to be energy efficient and reduce end-user cooling and energy costs, the Savvio 10K.4 drive uses 50 percent less power than a 3.5-inch 15K drive. It also includes the Seagate PowerChoice feature for T10-compliant power management. This enables customers to tailor systems to meet user-defined performance and power consumption goals.

The Savvio 10K.4 drive includes a PI feature, which detects corruption of data in flight between the host system and the drive.* It also provides a TCG-compliant SED option to secure data at rest—reducing end-user drive retirement costs while lowering the risk of unauthorized data breaches throughout the device's lifecycle.†

* Protection Information (PI) feature requires PI-compliant host or controller support.

† Self-Encrypting Drive (SED) option requires TCG-compliant host or controller support.

www.seagate.com

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

AMERICAS
ASIA/PACIFIC
EUROPE, MIDDLE EAST AND AFRICA

Seagate Technology LLC 920 Disc Drive, Scotts Valley, California 95066, United States, 831-438-6550
Seagate Singapore International Headquarters Pte. Ltd. 7000 Ang Mo Kio Avenue 5, Singapore 569877, 65-6485-3888
Seagate Technology SAS 16-18 rue de Dôme, 92100 Boulogne-Billancourt, France, 33 1-4186 10 00