Data Sheet

Savvio® 10K.5

The Optimal Balance of Capacity, Performance and Power in a 10K, 2.5-Inch Enterprise Drive

Key Advantages

• Improves storage efficiency with 50% increase in capacity and 18% increase in sustained data rate performance over previous generation
• Delivers the highest-capacity 2.5-inch, 10K-RPM hard drive (up to 900GB) to manage more data without increasing the number of drives
• First SFF drive platform to offer four capacity points on a single platform
• PowerChoice™ technology for T10-compliant power management enables systems tailored for performance and power consumption
• Reduces system design, qualification and inventory costs for OEMs
• Protection Information (PI) protects against inadvertent data change.¹
• Self-Encrypting Drive (SED) option (AES-256) cuts IT drive retirement costs while securely protecting data where it lives—on the drive.²
• FIPS 140-2 Validated™ drives protect Sensitive but Unclassified and Protected class data.²,³
• Seagate Unified Storage architecture reduces complexity and costs.

Best-Fit Applications

• Mission-critical servers and external storage arrays
• Power- and space-constrained data centers
• Compliance or data security initiatives

¹ Protection Information (PI) feature requires PI-compliant host or controller support.
² Self-Encrypting Drives (SED) and FIPS 140-2 Validated drives are not available in all models or countries. May require TCG-compliant host or controller support.
Savvio® 10K.5
The Optimal Balance of Capacity, Performance and Power in a 10K, 2.5-Inch Enterprise Drive

Improves Storage Efficiency
The Savvio® 10K.5 drive is the highest-capacity 2.5-inch, 10K drive and the first SFF drive to offer four capacity points on a single platform. This drive enables improved storage efficiency by providing up to 900GB in a single drive, helping data centers manage more data without increasing the number of drives, all while increasing sustained data rates by 18% (over previous generation) and maintaining favorable power consumption rates. The small form factor allows enterprises to solve space constraints through higher-density storage.

Seagate PowerChoice™ technology enables OEMs and data centers to tailor systems for performance and power consumption, enabling green IT initiatives.

Reduces Costs and Complexity
The Savvio 10K.5 drive reduces system complexity by standardizing on a common form factor, storage interface and encryption technology. This means fewer device types, form factors, interfaces and security technologies need to be deployed, inventoried and managed.

Enables Smoother Transitions
OEMs and data centers have the flexibility to maintain or upgrade capacity, transition from 3.5- to 2.5-inch form factors, and/or migrate from Fibre Channel to SAS drives in one or more steps. With four capacity points on the same drive platform, the Savvio 10K.5 drive enables easier support for current systems and optimized return on existing investments.

Protects Data
Protection Information and Self-Encrypting Drive options protect data from corruption during the storage process and from exposure should the device by lost, stolen, or retired—helping organizations meet compliance and data security objectives. Seagate Instant Secure Erase makes drive retirement and repurposing safe, fast and affordable.

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