

Data Sheet

Savvio 15K

2.5-inch enterprise hard drive

**15K RPM • 73 GB and 36 GB •
3-Gb/s Serial Attached SCSI**

Key Advantages

- The Seagate® Savvio® 15K drive is 70 percent smaller than 3.5-inch drives and enables cooler, faster and much more reliable systems.
- The Savvio 15K drive is the fastest drive available anywhere. In addition, the Savvio 15K drive's smaller size enables more drives per system, increasing system performance density and allowing sufficient memory in the system to match faster processors.
- The Savvio 15K drive has the highest reliability in the industry and the best nonrecoverable error rate to safeguard data.
- The Savvio 15K drive consumes less power than 3.5-inch 15K drives, runs cooler and enables more airflow to cool processors.
- The Savvio 15K drive meets IT performance needs in less space and with fewer drives than 10K drives, lowering TCO.

Best-Fit Applications

- Email/collaboration
- File and print
- Database
- Transaction processing
- Rack and tower servers
- Blade servers
- Storage arrays
- Space-constrained specialty applications



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2.5-inch enterprise hard drive



The Savvio 15K drive provides faster performance than 3.5-inch 15K drives while consuming 30 percent less power.

Fastest Drive Anywhere

- 10 percent faster than 3.5-inch 15K drives and 35 percent faster than 2.5-inch 10K drives
- 70 percent smaller than 3.5-inch drives, enabling integration of more drives into smaller, more space-efficient systems to deliver higher performance per U
- Allows room for more memory to further increase system performance
- Provides the performance needed for virtualization and high-access applications

Cooler

- 70 percent smaller than 3.5-inch drives, enabling more airflow to cool processors
- Requires at least 30 percent less power than 3.5-inch 15K drives, while performing faster—highest performance per watt of any drive
- Lower power consumption creates less heat, lowering system temperatures and reducing cooling costs.

More Reliable

- Highest reliability rating of any drive
- Industry's best nonrecoverable error rate to safeguard data

Seagate Global Customer Support

- Get presales and technical support at support.seagate.com.
- Visit our knowledge base for answers to common support questions.
- Find documentation for current and legacy drives.
- Utilize our online troubleshooting and diagnostic tools.
- Download DiscWizard™ to help migrate data from an older drive.
- Seagate also offers multi-lingual phone, email and chat support.
- Seagate Design Service Centers (DSC) help companies transform innovative ideas into viable products.

www.seagate.com

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

Specifications	73 GB ¹	36 GB ¹
Model Number	ST973451SS	ST936751SS
Capacity		
Formatted 512 Kbytes/Sector (GB)	73.4	36.7
Interface	3-Gb/s SAS	3-Gb/s SAS
External Transfer Rate (MB/s)	300	300
Performance		
Spindle Speed (RPM)	15K	15K
Average Latency (ms)	2.0	2.0
Seek Time		
Average Read/Write (ms)	2.9/3.3	2.9/3.3
Track-to-Track Read/Write (ms)	0.2/0.4	0.2/0.4
Sustained Transfer Rate, Outer to Inner Diameter (MB/s)	112 to 79	112 to 79
Cache, Multisegmented (MB)	16	16
Configuration/Reliability		
Disks	2	1
Heads	4	2
Nonrecoverable Read Errors per Bits Read	1 sector per 10E16	1 sector per 10E16
Annualized Failure Rate (AFR)	0.55%	0.55%
Power Management		
Typical Op (amps) +12V/+5V	0.36/0.72	0.36/0.72
Power Idle (W)	5.8	5.78
Environmental		
Temperature, Operating (°C)	5 to 55	5 to 55
Temperature, Nonoperating (°C)	-40 to 70	-40 to 70
Shock, Operating: 2 msec (G)	60	60
Shock, Nonoperating: 2 msec (G)	300	300
Acoustics Idle (bels—sound power)	3.1	3.1
Vibration, Operating: <400 Hz (G)	0.5	0.5
Vibration, Nonoperating: <500 Hz (G)	1.2	1.2
Physical		
Height (in/mm)	0.583/14.8	0.583/14.8
Width (in/mm)	2.76/70.1	2.76/70.1
Depth (in/mm)	3.945/100.2	3.945/100.2
Weight (lb/kg)	0.5/0.21	0.5/0.21
Warranty		
Limited Warranty (years)	5	5

¹One gigabyte, or GB, equals one billion bytes when referring to hard drive capacity.

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