

## Savvio

The Smart Business Decision



A breakthrough  
product speeding  
business efficiency  
through savvy  
storage solutions

**73 and 36 Gbytes • 10K RPM • First 2.5-Inch Enterprise Drive  
Ultra320 SCSI and Serial Attached SCSI (SAS)**

### Key Advantages

- 70 percent smaller drive size allows integration of more drives into a smaller chassis like 1U servers and modular storage arrays.
- Low power consumption enables tightly packed drives to operate cooler.
- 1.4 million hour MTBF delivers 100 percent full-duty cycle, enterprise-class reliability
- Most expansive interface selection creates scalable situation-ready servers and storage systems.
- Improved ROI results from faster performance, improved space utilization and less ancillary infrastructure requirements.

### Best-Fit Applications

- Rack-optimized servers
- Blade servers
- Rack-optimized storage arrays
- Size-constrained specialty application





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### The Seagate® 3D Defense System™ — No One Does More to Protect Your Drives

#### DRIVE DEFENSE

- SeaShell™ packaging provides more than 1,000 Gs shock protection during handling, reducing returns up to 70 percent.

#### DATA DEFENSE

- Seagate Advanced Multidrive System (SAMS) reduces effects of rotational vibration generated by drives operating simultaneously.

#### DIAGNOSTIC DEFENSE

- SeaTools™ (available in Desktop and Enterprise editions)—this disc diagnostic utility prevents the expense and inconvenience of returning healthy drives.

#### World-Class Technical Support

- Certified, experienced support staff
- Rated “above average to excellent” by 95 percent of our customers
- Support lines with the shortest wait times in the industry
- Individually archived case histories for quick reference
- Web-based Q&A forum and autoreply e-mail
- Seagate Design Service Centers (DSC) help companies transform innovative ideas into viable products.

[www.seagate.com](http://www.seagate.com)

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

Specifications	73 GB <sup>1</sup>	36 GB <sup>1</sup>
<b>Model Number</b>	ST973401LC/SS	ST936701LC/SS
<b>Capacity</b>		
Formatted 512 Kbytes/Sector (Gbytes)	73.4	36.7
<b>External Transfer Rate (Mbytes/sec)</b>		
Ultra320 SCSI	320	320
3-Gbit/sec Serial Attached SCSI	300	300
<b>Performance</b>		
Spindle Speed (RPM)	10K	10K
Average Latency (msec)	3.0	3.0
Seek Time		
Average Read/Write (msec)	4.1/4.5	4.1/4.5
Track-to-Track Read/Write (msec)	0.4/0.7	0.4/0.7
<b>Transfer Rate</b>		
Internal (Mbits/sec)	497 to 752	497 to 752
Internal Formatted (Mbytes/sec)	62 to 94	62 to 94
Sustained (Mbytes/sec)	41 to 63	41 to 63
Cache, Multisegmented (Mbytes)	8	8
<b>Configuration/Organization</b>		
Discs	2	1
Heads	4	2
Nonrecoverable Read Errors per Bits Read	1 sector per 10 <sup>15</sup>	1 sector per 10 <sup>15</sup>
MTBF (hours/AFR)	1,400,000/0.63%	1,400,000/0.63%
<b>Power Management</b>		
Typical Op (amps) +12V/+5V SCSI	0.34/0.81	0.32/0.81
Serial Attached SCSI	.48/1.05	.47/1.08
Power Idle (watts) SCSI	5.1	4.8
Serial Attached SCSI	7.43	7.49
<b>Environmental</b>		
Temperature, Operating (°C)	5 to 55	5 to 55
Temperature, Nonoperating (°C)	-40 to 70	-40 to 70
Shock, Operating: 2 msec (Gs)	60	60
Shock, Nonoperating: 2 msec (Gs)	275	275
Acoustics Idle (bels—sound power)	2.6	2.4
Vibration, Operating: <400 Hz (Gs)	0.5	0.5
Vibration, Nonoperating: <500 Hz (Gs)	1.2	1.2
<b>Physical</b>		
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
<b>Warranty</b>		
Limited Warranty (years)	5	5

<sup>1</sup> One gigabyte (sometimes “Gbyte” or “GB”) equals one billion bytes when referring to hard drive capacity.