

Data Sheet

Lyrion

60 GB in a 5-mm, single-platter drive enables new mobile data and digital content devices

60 GB and 30 GB • 3600 RPM • IDE

Key Advantages

- Create new applications with huge storage in a tiny package.
- Use Seagate® Design Service Centers to help design and integrate new applications based on Seagate Lyrion™ drives.
- Best-in-class power management features deliver longer battery life for handheld devices.
- Seagate RunOn™ technology enables reliable data delivery even under high motion conditions.

Best-Fit Applications

- Portable storage devices
- Handheld data applications
- Ultra-mobile PCs (UMPCs)
- Digital video cameras
- Portable media players



Lyrion

60 GB in a 5-mm, single-platter drive enables new mobile data and digital content devices



Lyrion Hard Drive—Best Portable Media Storage

Device/Digital File	File Size	60-GB Capacity*
Video		
Mobile Video		
2.5-hour movie (MPEG4 video file)	750 MB	80 movies
5-minute music video (MPEG4 video file)	25 MB	200 hours
Camcorder		
1-hour standard definition (MPEG2)	2.7 GB	20 hours
1-hour high definition (MPEG4)	4.5 GB	12 hours
Music		
Audio Player		
4-minute song (128 kbps)	4 MB	15,000 songs
30-minute audio program (64 kbps)	15 MB	2000 hours
Photos		
Mass Storage		
4-megapixel photo (compressed)	2 MB	30,000 photos
8-megapixel photo (compressed)	4 MB	15,000 photos

* Quantitative usage examples for various applications are for illustrative purposes. Actual quantities will vary based on various factors, including file size, file format, features and application software.

Ideal for Portable Video Recording and Playback

- Only 5-mm thin—keeps mobile devices thin and light
- Low startup and operating power prolongs system battery life
- Virtually inaudible operation
- Built tough to resist the everyday perils of mobile usage

www.seagate.com

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

Specifications	60 GB ¹	30 GB ¹
Model Number	ST760211DE	ST730212DE
Guaranteed Sectors	117,210,240	58,605,120
Bytes per Sector	1024 (512)	1024 (512)
Dimensions		
Height (+0.15 mm/+0.006 in)	5.0/0.1968	5.0/0.1968
Width (±0.3 mm/±0.0118 in)	54.0/2.126	54.0/2.126
Length (±0.3 mm/±0.0118 in)	71.0/2.795	71.0/2.795
Weight (typical, g)	48	48
Performance		
Cache (MB)	2	2
Spindle Speed (RPM)	3600	3600
Average Latency (msec)	8.3	8.3
Power On to Ready (sec, typical)	1.8	1.8
Standby to Ready (sec, typical)	1.8	1.8
Sustained Data Transfer Rate OD (MB/s)	24	24
ATA Data Transfer Modes Supported	PIO modes 0–4; Multiword DMA modes 0–2; Ultra DMA modes 0–4	PIO modes 0–4; Multiword DMA modes 0–2; Ultra DMA modes 0–4
Power		
Voltage Tolerance (including noise, ± 5%)	3.3V	3.3V
Startup Power (peak @ 3.3V, W)	1.15	1.15
Read Power (typical @ 3.3V, W)	1.00	1.00
Write Power (typical @ 3.3V, W)	0.90	0.90
Performance Idle Power (typical @ 3.3V, W)	0.50	0.50
Low-Power Idle Power (typical @ 3.3V, W)	0.30	0.30
Standby/Sleep Power (typical @ 3.3V, W)	0.08	0.08
Acoustics		
Idle Sound Power (bels, typical)	1.6	1.6
Operational Sound Power (bels, typical)	2.2	2.2

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

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.
- Lyrion drives are backed by a standard Seagate limited warranty.

AMERICAS Seagate Technology LLC 920 Disc Drive, Scotts Valley, California 95066, United States, 831-438-6550
 ASIA/PACIFIC Seagate Technology International Ltd. 7000 Ang Mo Kio Avenue 5, Singapore 569877, 65-6485-3888
 EUROPE, MIDDLE EAST AND AFRICA Seagate Technology SAS 130-136, rue de Silly, 92773, Boulogne-Billancourt Cedex, France 33 1-4186 10 00

Copyright © 2007 Seagate Technology LLC. All rights reserved. Printed in USA. Seagate, Seagate Technology and the Wave logo are registered trademarks of Seagate Technology LLC in the United States and/or other countries. DiscWizard, Lyrion and RunOn are either trademarks or registered trademarks of Seagate Technology LLC or one of its affiliated companies in the United States and/or other countries. All other trademarks or registered trademarks are the property of their respective owners. One gigabyte, or GB, equals one billion bytes when referring to hard drive capacity. Accessible capacity may vary depending on operating environment and formatting. Quantitative usage examples for various applications are for illustrative purposes. Actual quantities will vary based on various factors, including file size, file format, features and application software. Seagate reserves the right to change, without notice, product offerings or specifications. Publication Number: DS1604.4-0708US, August 2007