

Product Overview

## Momentum® 7200 FDE

The industry's first high-performance, government-grade, self-encrypting hard drive

### Key Features and Benefits

- Third-generation of Seagate Secure™ AES hardware-based encryption engine
- 7200-RPM spindle speed with less than 2.3 watts for read/write power
- Capacities of 320 GB and 160 with 16-MB cache
- Ultra-quiet acoustics of 2.3 bels at idle and 2.6 bels during seeks
- Internal data rate of 1.1 Gb/s
- SATA 3Gbs interface with Native Command Queuing
- 350 Gs shock tolerance at 2 ms
- 1000 Gs shock tolerance at 1 ms
- Perpendicular recording technology

### Key Specifications

- Corporate laptops that contain confidential employee, customer or corporate information
- Field sales, service and support laptops that contain critical customer data
- Personal laptops that contain sensitive information
- Industrial applications such as ATMs, POS systems and other teller-like systems



# Momentum® 7200 FDE

The industry's first high-performance, government-grade, self-encrypting hard drive



## The Seagate Advantage

Seagate introduces the third generation of self-encrypting disk drives for laptop PCs. The Seagate® Momentum 7200 FDE drive delivers up to 320 GB of secure digital storage. Seagate also designed award-winning Seagate Secure technology that enables self-encrypting drives to interface with management software for easy enterprise deployments. Seagate Secure technology includes advanced firmware that allows for pre-boot authentication in the form of biometrics, passwords or smart cards. In addition, the technology delivers secure erase, password hashing, password escrowing and many more features not available in non-Seagate Secure drives.

## Transparency and Freedom

The Seagate Secure encryption engine is hardware-based, so it delivers security without the overhead—no processor utilization, no time delays. You won't even know you're encrypting. It's transparent encryption all the time, every time you save a document and every time you open a document.

## Highest Performance for Demanding Users

The Momentum 7200 FDE drive is the first 7200-RPM self-encrypting drive from Seagate. A 7200-RPM drive can outperform a 5400-RPM drive by up to 36 percent in writing to the disk. Why sit around eating battery time when you can get the job done faster?

Specifications	
Capacity (GB)	320 and 160
Interface	SATA 3Gb/s
Cache (MB)	16
Spindle Speed (RPM)	7200
Internal Data Transfer Rate (Gb/s)	1.1
Acoustics, Idle (bels)	2.3
Acoustics, Seek (bels)	2.6

## Secure Your Space, Free Your Data, and Grow Your Business With Secure Storage

Compliance with data security and privacy legislation has become a priority for many organizations, making the safeguarding of digital assets a fundamental requirement.

Seagate delivers the ultimate line of defense for securing digital content on the hard drive with Seagate Secure technology, a very simple yet effective way to deploy drive-level security using self-encrypting hard drives.

Seagate Secure technology protects data against loss or theft on the road, in the office and in the data center, and ensures the secure disposal and repurposing of drives.

- Automatic, always-on hardware-based encryption
- Transparent to end user, operating system, applications and databases
- No noticeable performance degradation
- Simplifies key management—encryption key doesn't leave the drive
- Enables instant secure disposal and repurposing
- Today's standard in self encrypting disk drives

[www.seagate.com](http://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 Technology International Ltd. 7000 Ang Mo Kio Avenue 5, Singapore 569877, 65-6485-3888  
Seagate Technology SAS 130-136, rue de Sully, 92773 Boulogne-Billancourt Cedex, France, 33 1-41 86 10 00

Copyright © 2008 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. Momentum and Seagate Secure 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. When referring to hard drive capacity, one gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes. Your computer's operating system may use a different standard of measurement and report a lower capacity. In addition, some of the listed capacity is used for formatting and other functions, and thus will not be available for data storage. Seagate reserves the right to change, without notice, product offerings or specifications. PO0074.1-0908US, September 2008