

## Product Overview

# The World's Most Feature-Rich 2.5 Inch Drive Momentus® Hard Drives

### What you get:

- The power to transform the ordinary into the extraordinary with innovative options and features
- 7,200 RPM, which delivers a constant high-performance boost
- 5,400 RPM, which enables affordable, low-power and high-capacity drives for external enclosures
- Self-Encrypting Drives with FIPS 140-2 certification,<sup>1</sup> which are approved by the US and Canadian governments
- Seagate SmartAlign™ technology, which provides a transition to 4K sectors without the need for software utilities

<sup>1</sup> See FIPS 140-2 Level 2 Certificate at  
<http://csrc.nist.gov/groups/STM/cmvp/documents/140-1/1401vend.htm>



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## Market Overview

The notebook computer market, spurred by the entrance of new versions of netbooks and ultraportables, is growing by double digits year-over-year in most regions of the world. Although their core value proposition continues to change, consumers still demand new form and functionality.

In many cases, netbooks started out as barebones systems with limited functionality, intended simply for email or web surfing. However, these systems have rapidly increased in functionality to entry-level laptop conformity and, over time, have become the primary computers for many consumers.

This obvious trend now gives those same consumers, who had never before thought about purchasing any type of notebook computer, the impetus to step in and demand more from their systems. In addition, the segment now addresses a wider range of users — from professionals in emerging markets such as Latin America and China, to consumers in countries and regions all across the Asia-Pacific region.

Laptops can be standardised or customised; they can be small and thin, as well as larger and super-fast. The wide versatility of laptop PCs demands essential storage options and innovative features that are affordable, and from a company consumers know and trust: Seagate.

## Product Overview

With the launch of the 750GB capacity point and the fifth generation of the 7,200 RPM Seagate® Momentus® family, Seagate delivers the largest and most feature-rich product available today. The addition of SmartAlign technology resolves Advanced Sector Format (4K) misalignment conditions and preserves performance without time-consuming software utilities — paving the way to a worry-free adoption of the 4K standard.

The Momentus family is designed for standard form factor high-performance and mainstream laptops, entry-level laptops and external backup storage enclosures. The family is known for the innovative features and technology that Seagate builds into every launch of the Momentus line.

Specifications	
Capacities (GB) <sup>1</sup>	750, 640, 500, 320, 250, 160
Interface	SATA 3Gb/s
Cache (MB)	8 and 16
Spindle Speed (RPM)	5,400 and 7,200
Feature Options	Self-Encrypting Drives, Self-Encrypting Drives with FIPS 140-2 certification, <sup>2</sup> G-Force Protection™ technology, SmartAlign™ technology <sup>3</sup>

<sup>1</sup> One gigabyte, or GB, equals one billion bytes when referring to drive capacity.

<sup>2</sup> See FIPS 140-2 Level 2 Certificate at  
<http://csrc.nist.gov/groups/STM/cmvp/documents/140-1/1401vend.htm>

<sup>3</sup> Advanced Sector Format (4K) drives

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



AMERICAS  
ASIA/PACIFIC  
EUROPE, MIDDLE EAST AND AFRICA

Seagate Technology LLC 10200 South De Anza Boulevard, Cupertino, California 95014, United States, +1 408 658 1000  
Seagate Singapore International Headquarters Pte. Ltd. 7000 Ang Mo Kio Avenue 5, Singapore 569877, +65 6485 3888  
Seagate Technology SAS 16-18 rue du Dôme, 92100 Boulogne-Billancourt, France, +33 1 41 86 10 00

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