

Product Overview

Momentum®

The world's most feature-rich 2.5-inch drive for laptops and external enclosures

Key Advantages

- Innovative options and features—the power to transform from ordinary to extraordinary
- 7200 RPM delivers a constant high-performance boost with capacity options up to 750GB
- 5400 RPM enables affordable, low-power and high-capacity drives for external enclosures with capacity options up to 640GB
- Self-Encrypting Drives mitigate data breaches, comply with data protection regulations and preserve brand recognition.
- Self-Encrypting Drives with FIPS 140-2 certification* are government-approved for the U.S. and Canadian governments.
- G-Force Protection™ technology can help keep your data recoverable after a fall, even if your laptop doesn't survive.
- Seagate SmartAlign™ technology provides a transition to 4K sectors without the need for software utilities.

Best-Fit Applications

- Mainstream laptops
- External storage solutions, boxes
- Whitebook laptops
- Industrial applications requiring a small form factor

* Certification is imminent; drives are currently shipping.



Market Overview

The notebook computer market, spurred on 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 demand new form and functionality.

In many cases, netbooks started out as barebones systems with limited functionality, where they simply were intended 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 thought about purchasing any type of notebook computer, the impetus to step in and demand more from their systems. In addition, the segment addresses a wider range of users—from professionals in emerging markets like Latin America and China to consumers in countries and regions all across Asia-Pacific.

Laptops can be standardized or customized; 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 in the most affordable way, 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 7200-RPM Seagate® Momentum® 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 Momentum 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 Momentum line.

Specifications	
Capacities (GB) ¹	750, 640, 500, 320, 250, 160
Interface	SATA 3Gb/s
Cache (MB)	8 and 16
Spindle Speed (RPM)	5400 and 7200
Feature Options	Self-Encrypting Drives, Self-Encrypting Drives with FIPS 140-2 certification ² , G-Force Protection™ technology, SmartAlign™ technology ³

¹ One gigabyte, or GB, equals one billion bytes when referring to drive capacity.
² Certification is imminent; drives are currently shipping.
³ Advanced Sector Format (4K) drives.

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