

PRODUCT OVERVIEW

# Momentum 7200.1

2.5-inch storage for workstation-class notebooks

The freedom of mobility and maximum productivity with 7200-RPM performance



## KEY FEATURES AND BENEFITS

- Highest available notebook performance increases productivity while on the road.
- Low power consumption maximizes battery life and lets users work longer.
- Robust design and high shock tolerance enable mobility in rugged notebook operating environments.
- 800 Gs of nonoperating shock makes the drive ideal for non-PC and industrial applications.

## KEY SPECIFICATIONS

- 7200-RPM spindle speed
- 40-, 60- and 100-Gbyte capacities
- 250 Gs operating shock and 800 Gs nonoperating shock
- ATA/100 and SATA/150 interfaces

“Seagate is off to an impressive start in the burgeoning notebook hard drive market. The company’s advanced manufacturing approach and solid technology provide for a solid product launch into the fastest-growing portion of the high-volume HDD market.”

– John Donovan, vice president, TrendFOCUS

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## PRODUCT DESCRIPTION

Momentum™ 7200.1 is a 2.5-inch, 7200-RPM drive that is ideal for high-performance, workstation-class notebook PCs. Momentum 7200.1 is also a great fit in specific non-PC applications, including non-mission-critical blade servers and small form factor PCs.

## THE SEAGATE ADVANTAGE

Enjoy enhanced productivity and the workstation-class performance of 7200 RPM—while enjoying the freedom of mobility. Momentum 7200.1 delivers the robustness and performance required to be successful in the workstation-class notebook market.

## SPECIFICATIONS

Capacity (Gbytes)	40, 60, 100
Interface	ATA/100, SATA/150
Spindle Speed (RPM)	7200
Cache (Mbytes)	8
Access Time, Read/Write (msec)	10/12
Areal Density (Gbits/in <sup>2</sup> )	83
Linear Density (KBPI)	720
Track Density (KTPI)	114
Discs/Heads	2/4 (100 Gbyte)
Power Consumption, Read/Write/Active Idle (W)	2.2/2.4/1.3
Shock, Operating/Nonoperating (Gs)	250/800

## APPLICATIONS

- Workstation-class notebooks
- Mobile gaming systems
- Small form factor PCs
- Non-mission-critical blade servers

## ADDITIONAL FEATURES

- QuietStep™ ramp load technology enables whisper-quiet load/unload acoustics.
- Enhanced G-Force protection enables mobility in rugged notebook operating environments.
- Advanced manufacturing and the latest technology for the most reliable storage solutions ever
- The industry’s most comprehensive compatibility and benchmark testing
- Assured, steady supply from the industry’s only independent supplier of notebook drives

## ENABLING NEW OPPORTUNITIES

Demand for 7200-RPM disc drives in notebooks is emerging; therefore Momentum 7200.1 represents an incremental revenue opportunity for Seagate. More desktop users are transitioning to notebooks. The notebook transition is driven by technology that has closed the performance gap between desktops and notebooks—making it possible to run the same applications on a notebook that users typically would have run on a desktop. 7200-RPM disc drives enable notebook performance that is closest to the desktop experience.

For more information, go to [www.seagate.com](http://www.seagate.com)

### Storage Segments

Network Storage

Server Storage

High-Density Storage

Nearline Storage

Low-Cost Server

PC Commercial

PC Consumer

**Notebook**

DVR

Gaming/Audio/Other

Handheld

