



# Seagate® Momentus® 2.5" Internal Drive

## Instant Add-on Storage

**Interface** SATA

**Capacities** 250GB, 320GB, 500GB, 750GB, 1TB

Perfect for:

- Laptop and small form factor PC and Mac® computers

### Momentus 5400RPM Drive – Energy Efficient, High Capacity Storage

Engineered specifically for low-power applications, the Momentus internal drive has a 5400RPM spindle speed and a 8MB cache to provide energy-efficient performance at whisper-quiet acoustic levels. With reduced power consumption and heat generation, this drive can help reduce power costs up to 50% over the life of the system compared to standard drives. It is optimized for standard laptops and small form factor PCs.

- 5400RPM
- 8MB cache
- SATA 3Gb/s interface with Native Command Queuing
- QuietStep™ technology enables ultra-quiet load/unload acoustics
- Perpendicular recording technology increases performance and reliability

### Momentus 7200RPM Drive – High Performance Storage

The high performance Momentus internal drive has a fast 7200RPM spindle speed and a 16MB cache to provide desktop-like performance and deliver a sustained data transfer rate of 76MB/s. Native Command Queuing Technology dramatically increases performance by organizing incoming commands in the most efficient order. The Momentus internal drive is optimized for mobile computing and small form factor PCs that need to run more demanding applications like video and photography editing, video playback and computer games.

- 7200RPM
- 16MB cache
- SATA 3Gb/s interface with Native Command Queuing
- QuietStep™ technology enables ultra-quiet load/unload acoustics
- Perpendicular recording technology increases performance and reliability

### Momentus XT Drive – Ultimate Performance

The Momentus XT solid state hybrid drive combines a 7200RPM hard drive, 32MB of cache and 8GB of solid state SLC NAND flash to add SSD-like performance to any laptop<sup>1</sup>. The Momentus XT drive uses FAST Factor™ Technology (Flash-Assisted Storage Technology) to boot and launch applications within seconds of a solid-state drive, but is more cost-efficient because the combined technology leverages the cost-efficiency of a disk drive. Adaptive Memory™ technology intelligently monitors the frequently used files and stores them in the solid state memory for blazing fast recall. The SATA 6Gb/s interface enables the use of the industry's latest and fastest hard drive controllers while providing backward compatibility to SATA 3Gb/s systems. The Momentus XT drive is designed to work in any laptop and is optimized for mobile computing and small form factor PCs to simultaneously run multiple applications like video and photography editing, video playback and computer games.

- 7200RPM drive with 32MB cache
- 8GB SLC NAND flash
- SATA 6Gb/s interface with Native Command Queuing
- Boots and performs like an SSD
- Up to 3x faster than a traditional HDD
- Works with any standard laptop or PC, with most Operating Systems
- All-in-one design for simplicity and ease of installation
- 3-year limited warranty

1. Performance may vary depending on user's hardware configuration and operating system. Testing performed on a Momentus XT 750GB SSHD.



# Seagate® Momentus® 2.5" Internal Drive

Instant Add-on Storage

## Retail Packaging Specs

Box dimensions: Horiz x Vert x Depth – 4.75" x 6.34" x 2.25" (120.65mm x 161.04mm x 57.15mm)  
Box weight: 0.49 lbs (0.22 kg)  
Master carton dimensions: Horiz x Vert x Depth – 6.44" x 7.13" x 4.81" (163.58mm x 181.10mm x 122.17mm)  
Master carton weight: 1.48lbs (0.67kg)  
Master carton quantity: 3  
Master cartons per pallet: 245  
Pallet dimensions: Horiz x Vert x Depth – 48.00" x 40.00" x 48.28" (1,219.20mm x 1,016.00mm x 1,226.31mm)  
Pallet weight: 551.65 lbs (250.22kg)  
Pallet layers: 7

## Performance

- SATA: up to 6Gb/s
- Up to 7200RPM

## Inside the Box

- Seagate Momentus 2.5" internal hard drive

## System Requirements

- Laptop with internal SATA support

## Operating System Supported

- Microsoft Windows 7, Vista, XP, 2000 Pro
- MacBook® and MacBook® Pro models using Intel-based processor with Mac OS® X, Mac® mini (Intel processor)
- Can be used with Linux
- Consult your authorized service center or notebook manufacturer for information about compatibility with this hard drive

Region	Product	Capacity	Spindle Speed	Model Number	UPC Code	Multi-pack UPC
AMER	Momentus	500GB	7200RPM	ST905003N3A1AS-RK	763649017586	10763649017583
AMER	Momentus	250GB	5400RPM	ST90250N1A1AS-RK	763649006139	10763649006136
AMER	Momentus	320GB	5400RPM	ST903203N1A2AS-RK	763649009277	10763649009274
AMER	Momentus	500GB	5400RPM	ST905003N1A1AS-RK	763649010747	10763649010744
AMER	Momentus	1TB	5400RPM	STBD1000100	763649040539	10763649040536
AMER	Momentus XT	750GB	7200RPM	STBD750100	763649036112	10763649036119



© 2012 Seagate Technology LLC. All rights reserved. Seagate, Seagate Technology, the Wave logo, Momentus, Adaptive Memory, QuietStep and FAST Factor are 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 drive capacity, one gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one thousand billion 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 will not be available for data storage. Actual data rates may vary depending on operating environment and other factors. Complying with all applicable copyright laws is the responsibility of the user. Seagate reserves the right to change, without notice, product offerings or specifications. Seagate Technology LLC, 10200 S De Anza Blvd, Cupertino, CA 95014 U.S.A. DS1746\_2\_0512US