

SSD Speed. HDD Capacity.

Product Overview

Momentus[®] XT Solid State Hybrid Drive (SSHD)

A Price That Makes Sense

- Boots and performs like an SSD¹
- Faster than a traditional HDD¹
- SATA 6Gb/s with NCQ for interface speed
- All-in-one design for simplicity and ease of installation
- Works in any laptop or PC, any OS and any application
- Backed by a 3-year limited warranty

With SSHD Technology, You Get There Faster

Why should a high-performance laptop or PC be slower than your tablet or smart phone? It shouldn't. The Seagate[®] Momentus XT Solid State Hybrid Drive (SSHD) gives you the instant-on response of solid state memory and the extremely large capacity of a hard drive. You get both the kick and the capacity that lets you consume, create and store at amazing speeds.

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





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Momentum® XT Solid State Hybrid Drive

Changing the Game for Laptops and PCs

In the past, the term *instant-on* could not be applied to a standard laptop or PC. That kind of speed was available only in systems few could afford or in tablet devices made for online browsing, not content creation. By contrast, the Momentum XT drive is an affordable, well-designed SSHD that delivers the speed of solid state memory with the storage benefits of a hard disk drive (HDD). It has more data integrity and retention techniques than solid state drives (SSDs) or other combination solutions. Using flash-assisted storage technology (FAST) and Adaptive Memory™ technology, you get solid state performance, expansive capacity and exceptional reliability in an all-in-one device.

SSHD Technology and Features

Boot

Momentum XT SSHDs are known for incredibly fast boot-up times, and now they are even better with fast boot technology. This system boot-up technique can reduce your boot time to mere seconds—for a fast cold-boot start. It can cut your system start-up time by up to 65% over a traditional HDD. Fast boot technology will deliver the quickest boot possible, whether you boot your system once a day or once a week. Your OS boot-up files are always there, ready to work.

Flash Management

Momentum XT SSHDs also implement a management feature that provides seamless integration between hardware, firmware and high-speed NAND flash while maintaining data integrity under all conditions—any system, any OS and with any driver.

Adaptive Memory Technology

Adaptive Memory technology delivers SSD-like response from the applications and files you use the most. It enables the Momentum XT drive to effectively and accurately identify frequently-used data and place it in the NAND flash memory. The result is that instant-response experience to help you perform at your best.

Specifications	
Capacity (GB) ¹	500 and 750
Interface	SATA 6GB/s with NCQ
Cache (MB)	32
Spindle Speed (RPM)	7200
Solid State Memory, SLC NAND (GB)	8
Operating Shock: 2ms (Gs)	350
Nonoperating Shock: 1ms (Gs)	1000
Idle Acoustics (bels)	2.3
Seek Acoustics (bels)	2.6

¹ One gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes when referring to hard drive capacity.



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