



Product Overview

Momentum® XT

Powerful, Intelligent, Affordable—Solid State Hybrid Drive

Key Advantages

- Solid state hybrid drive delivers SSD-like performance with hard drive capacity options.
- Adaptive Memory™ technology customizes performance by aligning to user needs for overall improved system response.
- 80 percent faster performance than traditional 7200-RPM drives in PCMark Vantage benchmark scores
- Low heat and vibration—quiet operation without giving up storage capacity and affordability
- OS- and application-independent—designed for any SATA standard laptop PC
- Seagate® 5-Year Limited Warranty

Best-Fit Applications

- High-end laptops and workstations
- High-performance gamer laptops
- Fast external enclosures: USB 3.0, eSATA
- Small form factor PCs



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The Seagate Momentum® XT solid state hybrid drive combines SSD-like performance with affordable high-capacity hard drive storage for laptops, external backup and small form factor desktop PCs. This drive is designed for all standard laptop PCs and is OS-, driver- and software-independent, making it easy to integrate and easy to use.

The Momentum XT drive offers hybrid storage with Adaptive Memory technology, enabling the drive to deliver higher capacities up to 500GB and SSD-like performance.

Adaptive Memory Technology

Designed with high-performance core components on an innovative platform, the Momentum XT drive consists of a 7200-RPM hard drive with 32MB of cache, 4GB of solid state SLC NAND flash storage, and Adaptive Memory self-learning technology. Adaptive Memory technology intelligently monitors frequently used applications and data files, then places them into the solid state portion of the drive so they can be quickly recalled. Adaptive Memory technology enables the drive to tailor its performance to the user. Whether you are gaming, editing digital media or crunching numbers, the performance is optimized and ready for your next move.

Applications

The Momentum XT drive is designed to deliver SSD- and 10K-RPM-class performance in an affordable 2.5-inch drive. Those who crave this level of performance usually have demanding application needs. Among them:

- Workstations running CAD or other multimedia rendering applications, including video creation, video editing and photo editing
- Commercial PCs that require fast response times for office applications will gain tremendous time with the Momentum XT drive and Adaptive Memory technology.
- Gaming laptops—You don't want to be held up getting into the game, and Momentum XT drives will help you perform your best every time.

The Seagate Advantage

Seagate has a proven record of innovation and is the first drive manufacturer to deliver a solid state hybrid drive that self-tunes its performance so that frequently used data and applications are immediately accessible. Seagate continues to lead the industry in driving extreme performance and capacity at prices anyone can afford.

www.seagate.com

1-800-SEAGATE (1-800-732-4283)

Specifications	
Capacity (GB) ¹	500, 320, 250
Interface	SATA 3GB/s with NCQ
Cache (MB)	32
Spindle Speed (RPM)	7200
Solid State Memory, SLC NAND (GB)	4
Operating Shock: 2ms (Gs)	350
Nonoperating Shock: 1ms (Gs)	1000
Idle Acoustics (bels)	2.3
Seek Acoustics (bels)	2.5

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

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