Seagate ships world's first 160GB Perpendicular Recording Technology Notebook PC Hard Drive

Seagate Technology (NYSE:STX), the world's number one hard drive maker, has begun shipping the industry's first 2.5-inch notebook PC disc drive built on perpendicular recording technology to its Australian distribution channel. Delivering up to 160GB of capacity, the most available in a 2.5-inch disc drive, the Momentus family continues to close the capacity and performance gap between desktop and notebook PC hard drives to help meet growing demand for fast, high-capacity notebook computers. Momentus 5400.3, a 5,400-rpm drive that operates with 4,200-rpm power efficiency to extend battery life, is Seagate's first to bring the higher capacities and performance of perpendicular recording to mainstream notebook PCs. With Momentus 5400.3, Seagate once again leads the industry in areal density, delivering 132 Gbits per square inch to provide the highest levels of drive capacity, reliability and performance. Seagate will also extend the advantages of perpendicular recording to its 7,200-rpm Momentus disc drives and to all of its 1- and 3.5-inch products. Seagate is helping system builders meet growing demand for notebook PCs with desktop capabilities by delivering 2.5-inch disc drives that provide some of the industry's highest levels of power efficiency, ruggedness, performance and capacity, said Karl Chicca, Seagate senior vice president and general manager, Personal Storage. Our transition to perpendicular technology increases our ability to meet the needs of our growing customer base. The trend is clear: the number of notebook PC users is growing, and they demand higher capacity disk drives, said John Rydning, IDC's research manager for hard disk drives. IDC estimates that Notebook PCs with 80GB or more of disk drive capacity will grow from less than 10% of notebook shipments in 2004 to nearly 50% in 2006, providing opportunities for high-capacity mobile drives such as Seagate's new Momentus 5400.3. Perpendicular recording stands data bits on end on the disc, rather than flat to the surface as with existing longitudinal recording, to deliver new levels of hard drive data density and capacity. The new data orientation also increases drive performance without increasing spin speed by allowing more bits to pass under the drive head in the same amount of time. The perpendicular recording performance boost comes without increases in power consumption or heat generation crucial as remote users look to work longer between battery charges and system builders seek to pack more performance in smaller notebooks. Perpendicular recording also improves drive reliability by enhancing data resistance to thermal decay. The Momentus 5400.3 hard drive now shipping to the channel features the Ultra ATA 100 Mbyte/second interface. Seagate will begin shipping Momentus 5400.3 with the 1.5 Gbit/second Serial ATA interface later this year. The Momentus family is built tough to withstand up to an industry-leading 350 Gs of operating shock and 900 Gs of non-operating shock to protect drive data, making the drives ideal for printers, copiers, non-mission critical blade servers, external storage arrays and other non-PC environments where systems are jarred or subject to a rugged operating environment. The hard drives are also lean on power, allowing notebook users to work longer between battery charges, and are virtually inaudible thanks to Seagate's innovative SoftSonic fluid-dynamic bearing motors and QuietStep ramp load technology. Momentus delivering a range of solutions for system builders. Perpendicular recording is a key addition to the 2.5-inch Momentus family, allowing the drives to deliver higher capacity and performance without increasing spin speed, power consumption or heat dissipation. With Momentus, Seagate is redefining mobile computing by delivering rugged, power-thrifty hard drives that combine whisper-quiet operation with new levels of performance and capacity. The Momentus family gives system builders a range of spin speeds (4,200-, 5,400- and 7,200-rpm), capacities (40GB to 160GB), and interfaces (Serial ATA and Ultra ATA), allowing them to offer a variety of differentiated systems ranging from low-cost and mainstream notebook PCs to high-performance mobile workstations, small form factor PCs and blade servers. The drives are covered by Seagate's industry-leading five-year warranty for customers that buy through authorized distribution. Seagate is the worldwide leader in the design, manufacture and marketing of hard disc drives, providing products for a wide-range of Enterprise, Desktop, Mobile Computing, and Consumer Electronics applications. Seagate's business model leverages technology leadership and world-class manufacturing to deliver industry-leading innovation and quality to its global customers, and to be the low cost producer in all markets in which it participates. The company is committed to providing award-winning products, customer support and reliability to meet the world's growing demand for information storage. Seagate was named 2005 Company of the Year by Forbes Magazine. Seagate can be found around the globe and at www.seagate.com. Seagate, Seagate Technology and the Wave logo are registered trademarks of Seagate Technology LLC. Momentus, SoftSonic and QuietStep are either trademarks or registered trademarks of Seagate Technology LLC. 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 megabyte, or MB, equals one million bytes. Accessible capacity may vary depending on operating environment and formatting.

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