



Press Release
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SMART Modular Technologies Introduces Guardian™, a Suite of Advanced Technologies for Enterprise-Class SSDs

Delivering enterprise-class performance, endurance, and reliability with cost-effective MLC flash, Guardian technology puts advanced SSD technology within the reach of any IT budget.

NEWARK, CA, August 2, 2011 - SMART Modular Technologies (WWH), Inc. ("SMART" or the "Company") (NASDAQ: SMOD), a leading independent manufacturer of solid-state storage products and memory modules, today announced the availability of its innovative Guardian technology, a portfolio of unique intellectual property (IP) for enterprise-class solid-state drives (SSDs).

In order to meet the radically expanding needs of the datacenter, enterprise applications require faster I/O performance and demand high endurance from the storage medium. SMART's innovative Guardian technology enables the use of cost-effective multi-level cell (MLC) flash in SSDs, delivering the performance, endurance, and reliability that enterprise applications demand. SMART's Guardian technology consists of three key elements designed to optimize performance across all functions in the SSD: FlashGuard™, EverGuard™, and DataGuard™ technologies.

Leveraging flash to its fullest capability, SMART's FlashGuard technology allows MLC-based SSDs to deliver 10 or more random drive writes/day for five years, exceeding the requirements for typical mainstream enterprise storage applications. FlashGuard technology is comprised of Aggregated Flash Management and Advanced Signal Processing technologies that make it possible to reliably extract significantly more life from commercially available MLC flash. Using these features to dynamically manage the flash at a system level, and in combination with proprietary enhanced error-correction techniques, FlashGuard technology provides endurance enhancements that enable the use of MLC flash technologies for SSD devices in the datacenter.

Enterprise storage applications require data integrity, even in the event of power failure. SMART's EverGuard technology uses a proven, third-generation design incorporating an array of high-reliability discrete capacitors. This design offers long-term reliable performance and helps ensure that all data is safely stored in flash in the event of a power loss.

SMART's DataGuard technology features end-to-end data path protection and data recovery features designed to deliver an unrecoverable bit error rate (UBER) rate of 10^{-17} , a 100x improvement over the industry's current standards for data integrity, satisfying the JEDEC JESD218 standard for enterprise SSDs.

"SMART's innovative Guardian technology helps make it possible to provide an unsurpassed combination of performance, endurance, and reliability, enabling competitive advantages and a compelling value proposition. With this technology, we are able to develop industry-leading, cost-effective enterprise SSDs using MLC flash, which we expect will dramatically transform storage in the datacenter," said Bernie Rub, SMART's Vice President and Chief Technology Officer, Storage Business Unit.

SMART's Guardian technology will be featured at the Flash Memory Summit, August 9 through 11, 2011 in Santa Clara, CA in booth #400. For additional information on SMART's Guardian Technology, or other memory storage products, visit www.smartm.com.

Forward-Looking Statements

Statements contained in this press release, that are not statements of historical fact, including any statements that use the words "will," "believes," "anticipates," "projects," "estimates," "expects," "intends," "scheduled" or similar words that describe the Company's or its management's future plans, objectives, or goals, are "forward-looking statements" and are made pursuant to the safe-harbor provisions of the Private Securities Litigation Reform Act of 1995. These forward-looking statements include those related to the Company's business strategies and product plans, product performance, reliability, endurance, quality, cost savings and customer acceptance, and the market for the Company's products.

Such forward-looking statements involve known and unknown risks, uncertainties and other factors that could cause the actual results of the Company to be materially different from the historical results and/or from any future results or outcomes expressed or implied by such forward-looking statements. Factors that would cause or contribute to such differences include, but are not limited to, production or manufacturing difficulties, competitive factors, new products and technological advancements, difficulties with or delays in the introduction of new products, declines or fluctuations in product prices and raw material costs and availability, dependence upon third-party vendors, customer demand for or acceptance or qualification of products, end user markets, changes in industry standards or release plans, fluctuations in the quarterly effective tax rate and related tax provision, failure to receive continued favorable tax treatment or renewals of exemptions from or benefits relating to certain taxes in foreign countries, higher than anticipated costs from increasing capacity, changes in foreign currency exchange rates, intellectual property disputes, and other risks detailed in the Company's periodic report filings with the Securities and Exchange Commission including the Company's Annual Report on Form 10-K for fiscal 2010, the Company's Quarterly Reports on Form 10-Q for the first, second and third quarters of fiscal 2011. Such risk factors as outlined in these reports may not constitute all factors that could cause actual results to differ materially from those discussed in any forward-looking statement.

The Company operates in a continually changing business environment and new factors emerge from time to time. The Company cannot predict such factors, nor can it assess the impact, if any, from such factors on the Company or its results. Accordingly, our future results may differ materially from projections and investors are cautioned not to place undue reliance on any forward-looking statements. Forward-looking statements should not be relied upon as a prediction of actual results. These forward-looking statements are made as of today, and the Company does not currently intend, and has no obligation, to revise or update any forward-looking statements in order to reflect events or circumstances that may arise after the date of this press release.

About SMART

SMART is a leading independent designer, manufacturer and supplier of electronic subsystems to original equipment manufacturers, or OEMs. SMART offers more than 500 standard and custom products to OEMs engaged in the computer, enterprise, industrial, networking, gaming, telecommunications, defense, aerospace and embedded application markets. Taking innovations from the design stage through manufacturing and delivery, SMART has developed a comprehensive memory product line that includes DRAM, SRAM, and Flash memory in various form factors. SMART also offers high performance, high capacity solid state drives, or SSDs, for enterprise, defense, aerospace, industrial automation, medical, and transportation markets. SMART's presence in the U.S., Europe, Asia, and Latin America enables it to provide its customers with proven expertise in international logistics, asset management, and supply-chain management worldwide. See www.smartm.com for more information.

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