



**Press Release  
FOR IMMEDIATE RELEASE**

**SMART Modular Technologies' Rugged Xcel-200 SSD Targets Defense  
and Aerospace Applications**

*Leveraging proven technologies and renowned technical support, SMART releases its  
high-performance, highly reliable Xcel-200 SSDs.*

Newark, CA, October 26, 2011 - SMART Modular Technologies, a leading independent manufacturer of solid-state storage products and DRAM and flash based memory modules, today announced the Xcel-200 2.5" SATA solid state drive (SSD). The Xcel-200 is the latest in a robust line of products from SMART Storage Systems, recently re-branded by SMART to emphasize its exclusive focus on solid-state storage solutions.

Building on the success of SMART Storage Systems' long line of SSD products for the defense industry, the Xcel-200 SSD delivers performance metrics of 500MB/s sequential read/write speeds and up to 60K/40K random read/write IOPS. The Xcel-200 is available in capacities ranging from 60 to 240GB, using highly reliable single-level-cell (SLC) NAND Flash.

A host of reliability features are built into the Xcel-200. A backup power circuit comprised of high-reliability capacitors prevents data loss in the event of unplanned power interruptions. An internal flash redundancy feature provides protection against flash block failures and increases the uncorrectable bit error rate (UBER) to  $1 \times 10^{-18}$ . The error correction capability of the Xcel-200 allows it to correct up to 55 bits for every 512 byte sector. End-to-end cyclic redundancy check (CRC) protection guards against data corruption along the entire data path.

The new Xcel-200 SSD offers customers two separate and complimentary levels of data security. The ATA-8 Security Erase function makes it possible to completely erase all user data from the drive. In addition, all user data stored on the Xcel-200 SSD is automatically encrypted with AES 256-bit encryption. Deletion of the encryption key takes less than 1 second, rendering all encrypted data useless.

"With the Xcel-200, our engineering teams were able to blend the best elements of our enterprise and defense products," said John Scaramuzzo, President of SMART Storage Systems. "Specifically, the new Xcel-200 combines the high performance achieved with our enterprise-grade SSD products, the ruggedness and security of our defense products, and the logistical and technical support that SMART is known for around the world."

The Xcel-200 was designed and tested per MIL-STD-810 to operate in high shock and vibration applications at industrial operating temperatures of -40°C to +85°C. It is also certified for operation at altitudes up to 80,000 ft.

The Xcel-200 SSDs will be sampling in November 2011 and available in production volume in 1Q 2012. For additional information on SMART Storage Systems' new Xcel-200 SSDs and other solid-state storage products, visit [www.smartstoragesys.com](http://www.smartstoragesys.com).

### **About SMART Storage Systems**

SMART Storage Systems is a technology leader in the design, development and deployment of current and next-generation enterprise solid-state storage products. Combining leading-edge, enterprise-class design, with proven world-class support, manufacturing, quality, and high-reliability solutions to a broad customer base, including tier one storage and server OEMs, SMART Storage Systems leverages deep expertise in flash and enterprise storage technology. SMART Storage provides award-winning innovations in solid-state storage technology, such as NAND high-endurance Guardian™ technology, to a variety of customers in the enterprise storage, enterprise server, data center, defense, and industrial markets. SMART Storage Systems is part of the SMART Modular Technologies family of global companies. See [www.smartstoragesys.com](http://www.smartstoragesys.com) for more information.

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