PHOENIX INTERNATIONAL INTRODUCES 3U VPX 1 Terabyte SLC Solid State Disk Module

San Diego, CA Feb 11, 2014   Phoenix International Systems, Inc., today unveiled its industry leading 1 terabyte capacity VP1-250-SSDC 3U Solid State Disk VPX storage module at AFCEA/USNI West 2014 Conference and Exposition.

The VP1-250-SSDC is a bootable 3U Conduction-cooled VPX drive storage module with REDI (VITA 48) covers supporting an operating temperature range of -40° to +85° C. The VP1-250-SSDC connects directly to the CPU via SATA signals or by means of PCI Express signals through an on-board controller.   The use of Single Level Cell (SLC) NAND flash combined with our advanced flash management provides write endurance of greater than 27 years with 10 daily program/erase cycles of the entire drive.

Optionally includes the Data Encryption function, providing 256-bit AES ECB/CBC strength, NIST, CSE and FIPS 140-2 certified encryption solution. With a number of ways to support Key Management, Phoenix offers deployment flexibility with the ability to tailor the implementation to the specific requirements. The encryption engine is hardware based, hence eliminates the need and the risk of using software components.

Also available is a Data Elimination function: FAST ERASE and PURGE. FAST ERASE eliminates the data from all physical media locations by performing a single erase. PURGE eliminates both the data and the data remnants that could otherwise enable user data recovery in the lab. PURGE requires multiple erase and overwrites, and in some cases includes verification, as governed by different standards.
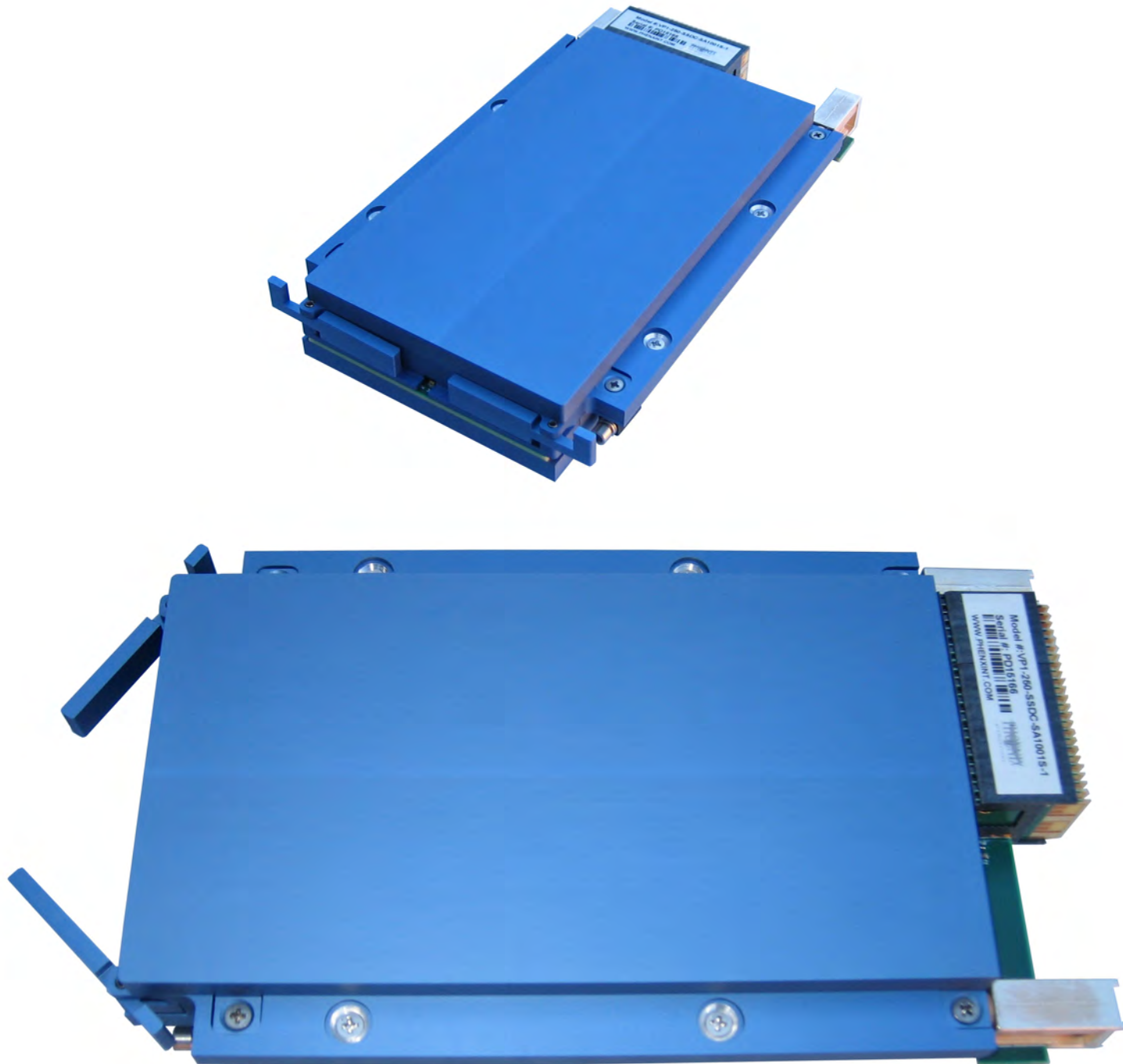
Major Features of the VP1-250-SSDC Data Storage Module:

Total capacity to 1024GB with integrated SLC NAND Flash
Operational temperature from -40º to +85º C
Up to 80,000 feet operational altitude
Operational shock of 30g acceleration, 11 ms duration
Individual SATA or PCIe device connectivity
Advanced flash management for enhanced reliability and durability
Hardware enabled write protect
Conformal coating
AES-256 encryption
Supports DoD and NSA data purge procedures
Made in USA

Phoenix International is an AS 9100 rev C/ISO 9001:2008 certified, Service Disabled Veteran Owned Small Business (SDVOSB) manufacturer of Rugged COTS data storage products. Phoenix developed state of the art enabling technology provides users with mass storage products that ensure the highest performance storage and data network systems. These systems range in size and application from multi-terabyte Fibre Channel RAID, NAS and Storage Area Network (SAN) configurations to conduction cooled plug-in VPX and VME solid state (flash) storage modules.

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